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Corrective Measures Study Addendum for Area of Concern 1 and Solid Waste Management Unit 10

Naval Support Activity (NSA) Panama City

Panama City, Florida

Southern Division
Naval Facilities Engineering Command

January, 2004

PROFESSIONAL CERTIFICATION

Corrective Measures Study Addendum for AOC 1 and SWMU 10
Naval Support Activity Panama City, Panama City, Florida

Signatures affixed below indicate official recommendation and approval of this report.

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This Corrective Measures Study Addendum was prepared under the supervision of the undersigned professional, and the engineering evaluations and professional opinions presented in this document were developed using principles standard to the profession at the time the document was prepared. This document was developed specifically for the referenced sites and should not be construed to apply to any other site.

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Jan. 9, 2004
Date

Naval Facilities Engineering Command • Southern Division •

CERTIFICATION OF TECHNICAL DATA CONFORMITY

The contractor, Tetra Tech NUS, Inc., herby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-94-D-0888 are complete and accurate and comply with all requirements of this contract.

Specifically for this Contract Task Order – CTO 287 and included in this report, the Contractor has provided for the Navy the following:

- Appendix D Well Construction Details
- Appendix E Analytical Data from the Laboratory
- Appendix F Field Data Log Forms

DATE: January 8, 2004

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Abbreviations and Acronyms

ABB-ES	ABB-Environmental Services
AOC	Area of Concern
bgs	below ground surface
CAO	Corrective Action Objective
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLP	Contract Laboratory Program
CMS	Corrective Measures Study
COC	Contaminant of Concern
CSS	Coastal Systems Station
1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethene
DNAPL	Dense, Non-Aqueous Phase Liquid
DO	Dissolved Oxygen
DPT	Direct Push Technology
FDEP	Florida Department of Environmental Protection
GCTL	Groundwater Cleanup Target Level
GW	Groundwater
IAS	Initial Assessment Study
LNAPL	Light, Non-Aqueous Phase Liquid
MNA	Monitored Natural Attenuation
NAVFAC	Naval Facilities Engineering Command
NFA	No Further Action
NFESC	Naval Facilities Engineering Service Center
NSA	Naval Support Activity
OVA	Organic Vapor Analyzer
OWS	Oil-Water Separator
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PCE	Perchloroethene (tetrachloroethene)
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
SCTL	Soil Cleanup Target Level
SOP	Standard Operating Procedure
SVE / BV	Soil vapor extraction / bioventing
SOUTHDIV	Southern Division
SPAWAR	Space and Naval Warfare
SPLP	Synthetic Precipitation Leaching Procedure
SSL	Soil Screening Level
SVOC	Semivolatile Organic Compound
SW	Surface Water
SWCTL	Surface Water Cleanup Target Level
SWMU	Solid Waste Management Unit

TAL	Target Analyte List
1,1,1-TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
TCL	Target Compound List
TOC	Total Organic Carbon
TPH	Total Petroleum Hydrocarbon
TtNUS	Tetra Tech NUS, Inc.
USEPA	U.S. Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

Foreword

Investigation and remediation of contaminated media at Naval Support Activity (formerly Coastal Systems Station) Panama City is being performed under the Corrective Action Program of the Resource Conservation and Recovery Act (RCRA) and the Hazardous and Solid Waste Amendments (HSWA). Under this program, the following stages have been implemented:

RCRA Facility Assessment (RFA)	1987
RCRA Facility Investigation (RFI)	1996
Corrective Measures Study (CMS)	1997
RFI Addendum	2003

Based on recommendations in the original RFI, the original CMS focused on four sites, Solid Waste Management Units (SWMUs) 3, 9, and 10, and Area of Concern (AOC) 1. Between 1997 and 2002, several corrective actions were implemented at the sites to address contaminated soils and the presence of free-product.

In September, 2000, the USEPA rescinded its approval of the original RFI and CMS because it determined that the scope and extent of contamination was not fully delineated. Thus, an RFI Addendum was prepared in 2003 to update the delineation of the nature and extent of contamination at SWMUs 3, 9, and 10, and AOC 1. For SWMU 3, the RFI is still ongoing, so SWMU 3 is not included in this CMS report. SWMU 9 is not included in this report because the sampling for the RFI Addendum found no contaminant concentrations that exceeded the Florida Groundwater Cleanup Target Levels (GCTLs) or the Marine Surface Water Cleanup Target Levels (SWCTLs). Thus, based on the RFI Addendum, SWMU 9 was given a tentative status of No Further Action (NFA), pending the results of an additional round of groundwater sampling scheduled for May, 2003. In May, 2003, the results for SWMU 9 indicated small exceedences of the GCTLs for three contaminants, so additional work is required. During a Panama City Partnering Team meeting on September 11, 2003, it was agreed that confirmatory sampling would be performed for the three contaminants, and the results for SWMU 9 would be summarized in a technical report separate from this CMS Addendum. If contamination at SWMU9 persists at levels exceeding the Florida GCTLs, then SWMU 9 may be added to the CMS at a later date.

This CMS Addendum has been prepared by Southern Division of the Naval Facilities Engineering Command, using sampling and analysis data provided by Tetra Tech NUS, Inc.

Executive Summary

Based on recommendations of the original RFI (ABB-ES, 1996) and the RFI Addendum (SOUTHDIV, 2003), this Corrective Measures Study (CMS) Addendum identifies, evaluates, and recommends corrective actions for the following solid waste management unit (SWMU) and area of concern (AOC) at Naval Support Activity (formerly Coastal Systems Station) Panama City:

SWMU 10	Site 363, Oil-Water Separator
AOC 1	Firefighting Training Area No. 1

This CMS Addendum is intended to supplement, rather than replace, the original CMS. Given below is a summary of original corrective action objectives (CAOs) and corrective action alternatives recommended in the original CMS (ABB-ES, 1997), along with the Additional CAOs and recommendations of this CMS Addendum. In an attempt to avoid confusion, the numbering system from the original CMS has been continued in this report. In the list below, if the CAO is from the original CMS, it is marked “Original, 1997”, and the status of that CAO is given. If the CAO is being developed in this CMS Addendum, it is marked below as “Additional, 2003”.

SWMU 10

CAO 1 (Original, 1997):	Remove LNAPL present on the groundwater table in excess of 0.1 inch.
Recommendation:	Alternative 10-1, Vapor Enhanced Extraction
Status:	CAO satisfied in 1999 (without implementing Vapor Enhanced Extraction).

CAO 2 (Additional, 2003):	Address groundwater at SWMU 10 containing 1,2,4-trimethylbenzene, 1-methylnaphthanlene, 2-methylnaphthanlene, 4-methylphenol, and naphthalene with concentrations greater than the Florida GCTLs.
Recommendation:	Alternative 10-2, Monitored Natural Attenuation

AOC 1

CAO 1 (Original, 1997):		Address subsurface soil that is acting as a source of LNAPL at AOC 1.
	Recommendation	Alternative 1-1, In-Situ Bioremediation of Subsurface Soil
	Status	CAO satisfied in 2002 (using Bioslurping).
CAO 2 (Original, 1997):		Address, via natural attenuation, groundwater at AOC 1 containing chemicals with concentrations greater than MCLs.
	Recommendation	Alternative 1-2, Natural Attenuation
	Status	CAO ongoing (proposed modifications to monitoring well network are described in Section 3.4.2).
CAO 3 (Additional, 2003):		Address potential surface water discharge of AOC 1 groundwater containing 1,1-DCE concentrations greater than the Florida Surface Water Cleanup Target Level (SWCTL).
	Recommendation:	Alternative 1-3, Coastal Contamination Migration Monitoring and Monitored Natural Attenuation

1. Introduction

Southern Division (SOUTHDIV), Naval Facilities Engineering Command (NAVFAC), has prepared this Corrective Measures Study (CMS) Addendum to identify, evaluate, and recommend corrective actions for one solid waste management unit (SWMU) and one area of concern (AOC) at Naval Support Activity (formerly Coastal Systems Station) Panama City, in Panama City, Florida. In order to maintain up-to-date information, SOUTHDIV contracted Tetra Tech NUS, Inc. (TtNUS) to perform sampling and analysis of groundwater and soils in May 2003, and the results are summarized in Chapter 2 of this report. The active SWMUs and AOC at Naval Support Activity (NSA) Panama City are depicted on Figure 1.1, and the sites included in this report are the following:

SWMU 10 Site 363, Oil-Water Separator

AOC 1 Firefighting Training Area No. 1

The original CMS was completed in April, 1997 (ABB-ES, 1997), and identified corrective action objectives (CAOs), media of concern, and corrective action alternatives to address the CAOs. The corrective action alternatives were compared using nine criteria and other factors, and a corrective action was recommended for each media. Since 1997, several of the recommended corrective actions have been implemented at the sites to address contaminated soils and the presence of free product. The status of these actions is described briefly in Section 3 of this report. Based on the results of the RFI Addendum (SOUTHDIV, 2003) and the interim sampling in May, 2003, additional CAOs and recommendations have been developed in this report, using the guidance in *RCRA Corrective Action Plan* (USEPA, 1994). This CMS Addendum is organized into the following sections:

- **Section 1 Introduction**
- **Section 2 Current Conditions**, describes the results of investigations that have taken place at the sites since the completion of the RFI Addendum field work in 2002.

- **Section 3 Summary of Original CMS**, briefly describes the Corrective Action Objectives (CAOs) and the recommended alternatives developed in the original CMS (ABB-ES, 1997). Also described are the corrective measures that have been implemented or are ongoing at SWMU 10 and AOC 1.

- **Section 4 Additional Corrective Action Objectives**, are developed based on current data to supplement the CAOs from the original CMS. Media Protection Standards (MPSs) are proposed.

- **Section 5 Additional Corrective Measure Alternatives.** Potential technologies to address the Additional CAOs are identified, screened, and developed.

- **Section 6 Evaluation of Alternatives.** Each alternative technology that passes the screen is evaluated against nine criteria and factors that reflect the major components of environmental remediation.

- **Section 7 Recommendations.** The preferred alternative for site remediation is described and justified.

- **Section 8 References**

2. Current Conditions

This chapter describes the results of work that has taken place at the sites since the completion of the field investigations in 2002 for the RFI Addendum (SOUTHDIV, 2003).

2.1 Solid Waste Management Unit (SWMU) 10

In June, 2002, the remaining underground storage tank was removed from SWMU 10 by personnel working on the nearby JP-5 storage facility. The tank was ruptured during the removal, and groundwater came in contact with residues on the inside of the tank. In addition, it appeared that several monitoring wells were damaged or destroyed. TtNUS personnel investigated the site in September 2002, using a metal detector and historic maps to locate remaining wells. It was determined that four of the SWMU 10 monitoring wells (PC-363-TWC, PC-363-MW-1, PC-363-MW-5D, and PC-363-MW-8) had been destroyed. Two of the wells (PC-363-MW-4 and PC-363-MW-6) had damaged surface completions but appeared to be usable; and three wells (PC-363-MW-7, PC-363-MW-3 and PC-363-MW-2) were undamaged. Later it was determined that PC-363-MW-4 was not usable. In May, 2003, TtNUS installed five replacement wells as shown in Figure 2.1, thus restoring to the extent possible the original monitoring well network. Well construction details for the replacement wells are provided in Appendix D.

2.1.1 SWMU 10 Groundwater Sampling

Groundwater samples were collected on May 14 and 20, 2003, from wells PCY-10-1R, PC-363-MW-2, PC-363-MW-3, PCY-10-4R, PCY-10-5RD, PC-363-MW-6, PC-363-MW-7, and PCY-10-0 (Figure 2.1). Field notes from the sampling indicated that well PC-363-MW-3 was located in close proximity to the UST Site 325 Air Sparging / Soil Vapor Extraction (SVE) System. Contours maps of the water table (Figure 2.2) from the original RFI (ABB-ES, 1996) and the RFI Addendum (SOUTHDIV, 2003) indicate that wells PC-363-MW-6, and PC-363-MW-7 are up-gradient of the SWMU 10 releases, and PC-363-MW-3 is cross-gradient. Thus it is expected that these wells would not be impacted by groundwater contamination from SWMU 10.

Groundwater samples were analyzed for compounds defined by the Contract Laboratory Program (CLP) as the Target Compound List (TCL) Volatile Organic Compounds (VOCs by USEPA SW-846 8260B) and TCL Semivolatile Organic compounds (SVOCs by USEPA SW-

846 8270C and PAHs by SW-846 8310). In addition, groundwater samples were analyzed for selected metals (arsenic, sodium, magnesium, calcium, potassium, and manganese), dissolved gases (ethane, ethene, and methane), anions (chloride, sulfate, and nitrate / nitrite), and total organic carbon (TOC). At the request of the USEPA, arsenic and manganese were included to determine if microbiological activity may be dissolving arsenic and manganese from the aquifer solids. All groundwater samples were collected using low flow methods to minimize suspension of solids in the samples, and the groundwater elevation was measured in each monitoring well.

2.1.2 SWMU 10 Soil Sampling

Current soil contaminant levels at SWMU 10 were characterized using a direct-push technology (DPT) soil-sampling device (Geoprobe® system) to obtain subsurface soil samples. The DPT sampler was used to collect samples from discrete intervals above the zone of groundwater saturation. Samples were taken from depths of 2 to 4 ft below ground surface (bgs), 4 to 6 ft bgs, and 6 to 8 ft bgs at 18 locations in the vicinity of the UST that had been removed from SWMU 10 (Figure 2.1). Subsurface soil samples were screened for significant Organic Vapor Analyzer (OVA) responses; i.e., any corrected reading above 10 ppm detected in soil samples collected above the water table. Based on the soil screening, six subsurface soil samples showing the highest level of contamination were selected for laboratory analysis. Samples PCYS10Z-306, PCYS10Z-506, PCYS10Z-906, and PCYS10Z-1406 were taken from 4 to 6 ft bgs, and PCYS10Z-904 and PCYS10Z-1404 from 2 to 4 ft bgs. These soil samples were collected in accordance with USEPA SOPs (USEPA 1996) and USEPA SW-846 Method 5035.

Soil samples were analyzed for TCL Volatile Organic Compounds (VOCs by USEPA SW-846 8260B) and TCL Semivolatile Organic compounds (SVOCs by USEPA SW-846 8270C and PAHs by SW-846 8310) and total arsenic, cadmium, chromium, and lead (USEPA method SW-846 6010B analysis). Total recoverable petroleum hydrocarbons (TRPH) were analyzed using the Florida Petroleum Residual Organic (FL-PRO) method and the Total Petroleum Hydrocarbon Criteria Working Group (TPH Working Group) method. In addition, 3 soil samples were subjected to the Synthetic Precipitation Leaching Procedure (SPLP), and analyzed for VOCs by SW-846 8260B, SVOCs by SW-846 8270C, and TPH by FL-PRO.

2.1.3 SWMU 10 Results

Groundwater. For the 2003 groundwater sampling, Table 2.1 and Figure 2.3 show the exceedences of the Florida Groundwater Cleanup Target Levels (GCTLs) and Surface Water Cleanup Target Levels (SWCTLs). In PCY-10-1R, the measured phenanthrene concentration of 2.5J ug/L exceeds the SWCTL but not the GCTL. The SWCTL was developed for Total PAHs, and it is applied to phenanthrene because this chemical does not have a specific SWCTL. Phenanthrene has a high soil-water partition coefficient (Fetter, 1993), indicating that it adsorbs strongly to soils and is relatively immobile in groundwater. It was detected only in the source zone well, PCY-10-1R, indicating that it is not migrating to wells down-gradient or to surface water. Therefore, the GCTL is taken as the applicable standard for phenanthrene at SWMU 10, and phenanthrene does not exceed the GCTL.

Out of 9 wells sampled (Table 2.1), there were 6 exceedences for manganese and one exceedence for arsenic. Maximum concentrations occurred in well PCY-10-4R, with arsenic at 90.3 ug/L and manganese at 996 ug/L. These results were unexpected because prior studies had found concentrations of these metals to be much lower. For example, in the original RFI (ABB-ES, 1996), the maximum concentration of arsenic in unfiltered groundwater was 14.2 ug/L, which was significantly lower than the average background concentration of 42 ug/L. The RFI Addendum (SOUTHDIV, 2003) reported that arsenic was not detected in SWMU 10 groundwater. For manganese, the original RFI reported a maximum concentration in unfiltered groundwater of 117 ug/L, versus the maximum background concentration of 165 ug/L. The RFI Addendum reported manganese at 102J ug/L in well PC-363-TCW, and the highest concentration in the other wells was 18.6 ug/L. Note that since manganese must comply with groundwater quality secondary standards, the site concentrations are compared to the maximum background concentration, rather than the average.

One possible cause of the abrupt increase in arsenic and manganese could be the soil backfill that was brought in after the UST was removed in June, 2002. The fill was not tested, so its properties are unknown. However, Table 2.1 shows that manganese was elevated in PC-363-MW-3, which is cross-gradient to the UST excavation zone (Figure 2.2). Thus, it is unlikely that the manganese in PC-363-MW-3 originated from the SWMU 10 backfill.

Another potential source of arsenic and manganese could be the air sparging system at UST Site 325 that began operating in February, 2003. Water table elevations (Figure 2.2) show that groundwater flows from the air sparging treatment area toward several SWMU 10 wells. In addition, the 2003 dissolved oxygen (DO) concentrations were elevated in three SWMU 10 wells located near the air sparging system. In May, 2003, DO concentrations were 7.43 mg/L in PC-363-MW-3, 8.55 mg/L in PCY-10-4R, and 9.59 mg/L in PCY-10-9. Prior to startup of the air sparging system, the maximum DO concentration at SWMU 10 was measured at 2.5 mg/L in PC-363-MW-3 (SOUTHDIV, 2003). The 2003 Oxidation Reduction Potential (ORP) showed a similar trend (Table 2.1), as ORP was negative in all wells except PC-363-MW-2, PC-363-MW-3, and PCY-10-4R. In addition, the pH was close to 6.5 for most of the wells, but pH was 2.72 in PC-363-MW-3 and 2.39 in PCY-10-4R. This represents a 4 order of magnitude decrease compared to 2002, when pH was 6.35 in well PC-363-MW-3 and 6.5 in well PC-363-MW-4.

All combined, the DO, ORP, and pH readings, plus the groundwater flow direction, indicate that wells PC-363-MW-3 and PCY-10-4R are being impacted by the air sparging at UST Site 325. In addition, PCY-10-8R is probably impacted, based on the elevated DO concentration (Table 2.1) and groundwater flow direction. At the same time, Table 2.1 shows that the highest exceedences of arsenic and manganese also occurred at these 3 wells. This information suggests that the following processes are occurring. First, the air sparging introduces oxygen, which raises the DO concentration and the ORP in groundwater. Second, microbes use the oxygen to biodegrade the fuels at UST Site 325, producing carbon dioxide and lowering the pH in groundwater. The concentration of arsenic and manganese in groundwater depends on complex processes involving ORP and pH, among other factors (Fetter, 1993). For manganese, the dominant factor is pH, with manganese solubility (and groundwater concentration) increasing as pH decreases. Therefore the decrease in pH observed in wells PC-363-MW-3 and PCY-10-4R can explain the abrupt increase in manganese concentrations at SWMU 10. For arsenic, the concentration may be more dependent on ORP than pH, and as a rule of thumb, many arsenic compounds become less soluble as pH decreases. However, when pH reaches extremely low values (i.e., less than 3) as observed in 2 wells at SWMU 10, it is possible that arsenic is being converted from arsenate to the more mobile arsenite form. This could explain the observed exceedence of arsenic in well PCY-10-4R.

In summary, it is unlikely that the 2003 exceedences of arsenic and manganese (Table 2.1) are related to the original releases from SWMU 10. Instead, evidence suggests that the abrupt increases in manganese and arsenic are associated with the startup of the air sparging system in February 2003 at nearby UST Site 325.

At well PC-363-MW-2, the concentration of bis(2-ethylhexyl)phthalate exceeded the GCTL in May, 2003 (Figure 2.3), and it showed a similar exceedence at this well in 2002. Bis(2-ethylhexyl)phthalate is the most widely used chemical in the group of phthalates or phthalic acid esters. It serves as a plasticizer for polyvinylchloride (PVC), rubber, cellulose and styrene that is used in a variety of packaging materials and tubings. Bis(2-ethylhexyl)phthalate is also used in insect repellants, pesticide carriers, cosmetics, rubbing alcohol, liquid soap, detergents, decorative inks, lacquers, munitions, industrial and lubricating oils, defoaming agents for paper and paperboard manufacturing, photographic film, wire, cable, and adhesives.

According to the Agency for Toxic Substances and Disease Registry (ATSDR, 2002), “bis(2-ethylhexyl)phthalate (or DEHP) is a widely used chemical that enters the environment both through disposal of industrial and municipal wastes in landfills and by leaching into consumer products stored in plastics. It tends to sorb strongly to soils and sediments and to bioconcentrate in aquatic organisms. Biodegradation is expected to occur under aerobic conditions.” The ATSDR (2002) adds that, “release of DEHP into the environment is thought to originate from diffuse sources, mainly from end-uses of DEHP (e.g., as an additive to plastics).”

Bis(2-ethylhexyl)phthalate is a common laboratory contaminant, but it was not reported in the lab blanks or equipment rinsate samples for SWMU 10, so its detection cannot be traced to the laboratory. In both 2002 and 2003, the dissolved oxygen (DO) concentration at well PC-363-MW-2 was greater than 1 mg/L, which is sufficient to support aerobic biodegradation of bis(2-ethylhexyl)phthalate. Under aerobic conditions, and because bis(2-ethylhexyl)phthalate adsorbs strongly to soil particles, it is unlikely to migrate significantly in groundwater at SWMU 10.

Soil. The results of the 2003 soil sampling (Table 2.2) show two exceedences of the residential Soil Cleanup Target Level (SCTL) for arsenic. The concentrations of 0.94 and 0.91 mg/kg are only slightly above the arsenic residential SCTL of 0.8 mg/kg; however, in

2001, arsenic was not even detected in soil at SWMU 10. This abrupt increase suggests the possibility that the backfill for the UST removal may have contained arsenic. In the original RFI (ABB-ES, 1996), background values for arsenic in subsurface soil are not available, but the site specific background concentration of arsenic in surface soil was reported as 1.3 mg/kg. This result is similar to surface soils throughout Florida, as Chen et al. (2001) report arsenic concentrations ranging from 0.01 to 50.6 mg/kg, with a 95% upper confidence level (UCL_{95}) of the mean of 1.34 mg/kg. Thus, if the SWMU 10 backfill came from a surface soil source, it is possible that it contained arsenic concentrations that account for the SWMU 10 detections in 2003.

Table 2.2 also shows exceedences for Total Petroleum Hydrocarbon (TPH C8-C40) analyzed by the Florida Petroleum Residual Organic (FL-PRO) method. As explained in the technical report *Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C.* (FDEP, 1999), the Florida SCTLs for TPH are based on a 2 tiered approach. In the first tier, the primary SCTL is based on the assumption that all of the TPH consists of aromatic hydrocarbons in the range C8-C10 or greater, and the applicable analytical method is the FL-PRO. If the primary SCTL is exceeded, then the second tier allows the TPH to be sub-classified, with each class having its own SCTL (FDEP, 1999). In this case, the applicable analytical method is the TPH Criteria Working Group (TPH Working Group) method, which separates aliphatics and aromatics, and further subdivides on the basis of equivalent carbon number index. The TPH detections from the TPH Working Group method are also reported in Table 2.2, along with the associated SCTLs taken from FDEP (1999). The results of the TPH Working Group method indicate that TPH at SWMU 10 was comprised predominantly of heavier compounds, and the SCTLs were not exceeded for any of the sub-classes.

The Synthetic Precipitation Leaching Procedure (SPLP) resulted in no detections for SVOCs and TPH (Table 2.3). For VOCs, there were slight exceedences of the GCTL for benzene and toluene, indicating the potential for these compounds to migrate from soil to groundwater. However, benzene was not detected in the SWMU 10 monitoring wells, and toluene was detected in only one well at a concentration of 0.3J ug/L, which is much lower than the GCTL of 40 ug/L. Thus, the SPLP results, together with the groundwater data, indicate that subsurface soils at SWMU 10 are not a source of groundwater contamination.

2.2 Area of Concern (AOC) 1

2.2.1 AOC 1 Groundwater Sampling

Groundwater samples were collected during May 15 to 20, 2003, from the monitoring wells listed in Table 2.4 and shown in Figure 2.4. PCY-13-3S was not sampled because it contained free product. PCY-13-7S was not sampled because it was partially blocked with roots and was abandoned on May 5, 2002. Historically, PCY-13-7S had always been a "clean" well.

Groundwater samples were analyzed for compounds defined by the CLP as the TCL Volatile Organic Compounds (VOCs by USEPA SW-846 8260B) and TCL Semivolatile Organic compounds (SVOCs by USEPA SW-846 8270C and PAHs by SW-846 8310). In addition, groundwater samples were analyzed for selected metals (arsenic, sodium, magnesium, calcium, potassium, and manganese), dissolved gases (ethane, ethene, and methane), anions (chloride, sulfate, and nitrate / nitrite), and total organic carbon (TOC). At the request of the USEPA, arsenic and manganese were included to determine if microbiological activity is dissolving arsenic and manganese from the aquifer solids. All groundwater samples were collected using low flow methods to minimize suspension of solids in the samples, and the groundwater elevation was measured in each monitoring well.

2.2.2 AOC 1 Results

The results of the 2003 groundwater sampling are given in Table 2.4, and exceedences of the GCTLs or the SWCTLs are shown in Figure 2.5. The majority of exceedences occur only at the source zone well PCY-13-10S, indicating that most of these compounds attenuate before the groundwater reaches wells down-gradient. All exceedences in the source zone are below the Florida Natural Attenuation Default Source Concentrations (FAC 62-777), with the possible exception of 3&4-methylphenol, which was reported at 45 ug/L. The Natural Attenuation Default Source concentration is 350 ug/L for 3-methylphenol and 40 ug/L for 4-methylphenol. Even if all of the 3&4-methylphenol is assumed to be in the form of 4-methylphenol, the concentration is only slightly above the Natural Attenuation Default Source concentration.

Down-gradient of the source, exceedences occurred with 1,1-DCE, benzene, bis(2-ethylhexyl)phthalate (or DEHP), and phenanthrene, but all of the reported values are close to the GCTLs and SWCLTs (Figure 2.5). Arsenic was measured as a geochemical indicator

of natural attenuation, and the highest concentration was 17.7 ug/L versus the background concentration for unfiltered groundwater of 50.9 ug/L (ABB-ES, 1996). The arsenic GCTL of 50 ug/L will eventually be lowered to 10 ug/L in order to reflect the recent lowering of the maximum contaminant level (MCL) for arsenic.

With regard to the geochemical parameters (Table 4.6), the most important indicator at AOC 1 is dissolved oxygen (DO), as any value above 0.5 mg/L typically indicates an aerobic aquifer. While some DO values are slightly less than 0.5 mg/L, most DO concentrations are greater than 0.5 mg/L, suggesting that the aquifer is predominantly aerobic. With the exception of TCE in the source zone, all of the contaminants that show exceedences will undergo aerobic biodegradation. In general, the reported DO concentrations are lower in 2003 than 2002. For example, in wells PCY-13-17S, PCY-13-17I, PCY-13-17D, the DO ranged from 1.0 to 2.5 mg/L in 2002 versus 0.35 to 0.45 mg/L in 2003.

3. Summary of Original CMS

This section describes the Corrective Action Objectives (CAOs) from the original CMS, the corrective action alternatives selected, and corrective measures that have been implemented since 1997. In the original CMS (ABB-ES, 1997), the results of the original RFI, including Human Health and Ecological Risk Assessments, were used to develop CAOs for specific media. Corrective action alternatives were evaluated, and a recommended corrective action was selected. For groundwater, corrective action is based on the Florida Groundwater Cleanup Target Levels (GCTLs), which correspond to a risk level of 10^{-6}.

3.1 SWMU 10 Objectives and Alternatives

At SWMU 10, the original CMS developed the following CAO and recommended alternative:

3.1.1 LNAPL Corrective Action

Corrective Action Objective (CAO) 1

Remove LNAPL present on the groundwater table in excess of 0.1 inch.

Recommended Corrective Action

Alternative 10-1, Vapor Enhanced Extraction

Corrective Action Status

CAO satisfied in 1999 (without implementing Vapor Enhanced Extraction).

3.2 SWMU 10 Corrective Actions Completed

In May 1999, Dames and Moore completed quarterly free-product measurements and a groundwater sampling event at SWMU 10. The conclusions and recommendations of the sampling event were that

- “LNAPL was not present in well MW-1 for the last scheduled quarterly measurement collected May 18, 1999. Thus, the requirements for the CMS have been met, as LNAPL has not been detected in well since March 31, 1998 or a period of 17 consecutive months.

- Groundwater sampling of wells MW-1, MW-4, and MW-5D did not indicate the presence of VOCs, SVOCs, or metals at a level above groundwater criteria.
- The requirements of the CMS LNAPL monitoring plan for discontinuing LNAPL measurements at MW-1 and sampling PC-363-MW-1, PC-363-MW-4, and PC-363-MW-5D have been met. Therefore, it is recommended that LNAPL measurements and associated groundwater sampling at SWMU 10 be discontinued in accordance with the CMS (Dames and Moore, 1999)."

3.3 AOC 1 Objectives and Alternatives

For AOC 1, the selected CAOs and recommended alternatives from the original CMS are described below for the relevant media.

3.3.1 Subsurface Soil Corrective Action

Corrective Action Objective (CAO) 1

Address subsurface soil that is acting as a source of LNAPL at AOC 1.

Recommended Corrective Action

Alternative 1-1, In-Situ Bioremediation of Subsurface Soil

Description of Recommended Corrective Action

The original CMS proposed that a soil vapor extraction / bioventing (SVE/BV) system be operated after completion of bioslurping, which was in the pilot phase at that time (ABB-ES, 1997). It was recognized that the SVE/BV system could take advantage of equipment installed for bioslurping, and it was also anticipated that bioslurping would reduce the contaminant concentrations in the subsurface soil. The CMS estimated a treatment duration of 1.5 to 3 years for the SVE/BV system, based on the observation from Test Plan and Technical Protocol for a Field Treatability Test for Bioventing (USAFCEE, 1992) that most BV systems require 2 to 3 years of operation to significantly reduce hydrocarbon concentrations in subsurface soil.

Justification of Recommended Corrective Action

The original RFI (ABB-ES, 1996) calculated no unacceptable human health risks for exposure to subsurface soil by a future excavation worker. Also, the RFI determined that there was no exposure pathway for ecological receptors to subsurface soil. Although no risks were identified for subsurface soil, the RFI indicated that LNAPL

was present within the subsurface soil matrix, so CAO 1 was identified to address this source of LNAPL.

Corrective Action Status

CAO satisfied in 2002 (using Bioslurping).

3.3.2 Groundwater Corrective Action

Corrective Action Objective (CAO) 2

Address, via natural attenuation, groundwater at AOC 1 containing chemicals with concentrations greater than MCLs.

Recommended Corrective Action

Alternative 1-2, Natural Attenuation

Description of Recommended Corrective Action

The original CMS proposed the following components of the Natural Attenuation alternative:

- Groundwater monitoring would occur quarterly for the first year and annually thereafter, with samples taken from monitoring wells PCY-13-3, PCY-13-9S, PCY-13-6I, PCY-13-6S (Figure 2.4). Samples would be analyzed for VOCs, SVOCs, and geochemical parameters to confirm degradation of contaminants, especially 1,1-DCE. The original CMS estimated that groundwater monitoring could be discontinued after 5 years, "if it is determined that natural attenuation is sufficiently reducing contaminant concentrations at AOC 1 (ABB-ES, 1997, p. 6-17)."

- Numerical groundwater modeling would simulate contaminant transport and degradation over time. The model would be updated at least annually to incorporate new data or site changes.

- Land use restrictions could be implemented if groundwater monitoring and modeling showed no degradation of 1,1-DCE within the first 5 years. If needed, restrictions could be placed on the consumption of untreated groundwater from the surficial aquifer at AOC 1.

Justification of Recommended Corrective Action

The original CMS determined that active groundwater remediation was not necessary at AOC 1 due to the following: source reduction through LNAPL removal was planned for the site, exposure to groundwater was not predicted under the industrial land use scenario, natural attenuation was expected to be effective for the contaminants detected above MCLs at AOC 1.

Corrective Action Status

CAO ongoing (proposed modifications to monitoring well network are described in Section 3.4.2).

3.4 AOC 1 Corrective Actions Completed

3.4.1 Corrective Actions for Subsurface Soil

A bioslurping system was installed to recover free-product, and the full scale system operated initially from August 1997 to October 1999. Following a drop in the water table elevation, the system was restarted in October 2000 and operated until April 2001. Thus, the bioslurper operated for almost 4 years, which is longer than the 1.5 to 3 year operation time that the original CMS proposed for the SVE/BV system. Bioslurping involves vacuum enhanced pumping of water, air, and non-aqueous phase liquid (NAPL) from a network of recovery wells (Battelle, 2002). In addition to physical removal of contaminants, the bioslurper also stimulates biodegradation as it pulls air through the unsaturated zone, making oxygen available to microorganisms. Details of the bioslurping operation are described by Battelle (2002). Thus, during its operation, the bioslurper pumped significant volumes of air through the unsaturated source zone, just as would occur with SVE/BV. Furthermore, at times, certain bioslurping wells were actually operated in a bioventing mode (Battelle 2002).

For the bioslurper overall, a total of 53,000 lb of product was removed as free NAPL, emulsified in the aqueous phase, or as vapor in the air phase. The success of the bioslurper was indicated not only by the reduction of LNAPL thickness in monitoring wells, but also by the decrease in groundwater contaminants in the source zone wells (PCY-13-3S, PCY-13-3D, PCY-13-10S, and PCY-13-10I shown in Figure 2.4). The RFI Addendum (SOUTHDIV, 2003) reported that benzene, 1,1-DCA, and 1,1-DCE were not detected in the source zone wells in April 2002, indicating that the bioslurper had removed the source of

these contaminants. Benzene, 1,1-DCA, and 1,1-DCE appear to be the most mobile contaminants at AOC 1, and they are the only ones that have the potential to migrate to St. Andrew Bay.

The results of the bioslurping indicate that the CAO to "address subsurface soil that is acting as a source of LNAPL" has been achieved, such that additional SVE/BV is not needed at AOC 1. No additional subsurface soil samples were taken as part of the bioslurping, but the original RFI identified no risks associated with subsurface soil at AOC 1. Thus, the bioslurper acted effectively as a replacement remedy for subsurface soils at AOC 1.

3.4.2 Corrective Actions for Groundwater

As a response to comments by the regulatory agencies, the original CMS recommended further study for AOC 1, and it was agreed that the following data would be collected:

- A groundwater sample from monitoring well PCY-13-9S to be analyzed for dioxins and furans.
- Groundwater samples to be analyzed for parameters to assess the effectiveness of natural attenuation at AOC 1.

The Technical Memorandum Data Assessment (ABB-ES, 1998) reports that groundwater from monitoring well PCY-13-9S was analyzed for dioxins and furans, and all results were below detection limits.

Groundwater samples have been analyzed for geochemical parameters to assess the effectiveness of natural attenuation at AOC 1. This work was performed as part of the Technical Memorandum Data Assessment (ABB-ES, 1998), the RFI Addendum (SOUTHDIV, 2003), and the interim sampling in May, 2003. Results indicate that the aquifer is primarily aerobic, creating conditions for effective biodegradation of the significant contaminants (benzene, 1,1-DCA, and 1,1-DCE).

Results of groundwater samples taken in 1994, 1997, 2002, and 2003 indicate that concentrations of benzene, 1,1-DCA, 1,1-DCE have dropped significantly over time. Thus, the data suggest that natural attenuation is viable, and CAO 2 for groundwater should be continued. However, based on the 2001 DPT investigation, the original monitoring well network has been improved significantly. Therefore, to satisfy CAO 2 using Natural Attenuation at AOC 1, the following changes are proposed to the monitoring well network:

1. For the source zone, substitute well PCY-13-10S for well PCY-13-3, since well PCY-13-10S was located by the DPT investigation for optimal monitoring of the source zone.

2. Add PCY-13-14I, PCY-13-17S, PCY-13-17I, PCY-13-17D, PCY-13-18S, PCY-13-18I, and PCY-13-18D, since these wells are located where exceedences of the GCTLs or SWCTLs have occurred during the most recent sampling events in 2002 and 2003.

3. Remove wells PCY-13-6S and PCY-13-6I, since these well showed no exceedences of the GCTLs or SWCTLs in 2002 or 2003.

4. Additional Corrective Action Objectives

This section describes additional Corrective Action Objectives (CAOs) that supplement the CAOs from the original CMS. Development of each additional CAO is guided by the original RFI (ABB-ES, 1996), including Human Health and Ecological Risk Assessments, the RFI Addendum (SOUTHDIV, 2003), the interim sampling performed in May, 2003, and applicable Federal and State regulatory requirements. Regulatory requirements are identified in the original CMS and are not repeated here. For each contaminated medium that requires corrective action, Media Protection Standards (MPSs) are proposed as goals for remediation.

4.1 SWMU 10 Subsurface Soil

The RFI Addendum (SOUTHDIV, 2003) involved additional investigation of subsurface soil and groundwater at SWMU 10. For subsurface soil, results show that the maximum detected concentrations of VOCs and SVOCs decreased between 1993 and 2001, and in 2003 there were no exceedences of SCTLs by VOCs or SVOCs. In 2001 and 2003, Total Petroleum Hydrocarbons (TPH) measured by the FL-PRO method showed exceedences of the GCTLs. However, further analysis in 2003 by the TPH Working Group method indicated that the TPH was composed predominantly of heavier compounds, and the applicable GCTLs were not exceeded. For inorganics, the arsenic concentration was higher in 2003 than in any previous period. This increase may be due to the backfill that was placed following the UST removal in June 2002. Overall, the historic data indicate that arsenic is not related to the original releases from the oil-water separator at SWMU 10.

Using the 1993 data, the original RFI reported no unacceptable human health risk from potential exposure to subsurface soil by a future excavation worker. In addition, no exposure pathways were identified for ecological risk. Thus, the original CMS did not develop CAOs for subsurface soil at SWMU 10, and no CAOs for subsurface soil are currently proposed. However, in order determine if the soil may be acting as a source of elevated groundwater concentrations of arsenic and manganese, samples of the backfill will be taken as part of the corrective action for groundwater at SWMU 10.

4.2 SWMU 10 Groundwater

The original CMS stated that following LNAPL removal, the groundwater would be analyzed to ensure that contaminant concentrations are below MCLs. In 2002, bis(2-ethylhexyl)phthalate and manganese were detected above the Florida GCTLs. In 2003, exceedences of the GCTLs occurred for the VOC 1,2,4-trimethylbenzene; the SVOCs 1-methylnaphthanlene, 2-methylnaphthanlene, 4-methylphenol, bis(2-ethylhexyl)phthalate, and naphthalene; and the inorganics arsenic and manganese. As described in Section 2.1.3, arsenic, manganese, and bis(2-ethylhexyl)phthalate are not believed to be site related, so they are not included in the corrective action objective (CAO). However, under any proposed corrective action alternative, arsenic and manganese in groundwater would be monitored, and it is expected that their concentrations will decrease to acceptable levels after the air sparging is complete at UST Site 325. The following additional CAO is proposed for SWMU 10:

Additional Corrective Action Objective (CAO) 2

Address groundwater at SWMU 10 containing 1,2,4-trimethylbenzene, 1-methylnaphthanlene, 2-methylnaphthanlene, 4-methylphenol, and naphthalene with concentrations greater than the Florida GCTLs.

Media Protection Standards

For groundwater at SWMU 10, the Media Protection Standards (MPSs) would be the state of Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Levels (GCTLs).

4.3 AOC 1 Groundwater

Figure 2.5 shows current monitoring well locations and exceedences of the GCTLs and SWCTLs from the 2003 sampling at AOC 1.

In 2002, bis(2-ethylhexyl)phthalate was measured in well PCY-13-13S at 5.2 ug/L, which exceeds the SWCTL of 0.02 ug/L but not the GCTL of 6 ug/L. In 2003, bis(2-ethylhexyl)phthalate was not detected in well PCY-13-13S, but it was measured as 18J ug/L in well PCY-13-18S. Published reports (e.g. ATSDR, 2002) indicate that bis(2-ethylhexyl)phthalate adsorbs strongly to soil and degrades under aerobic conditions (see Section 2.1.3). These characteristics cause bis(2-ethylhexyl)phthalate to be relatively immobile in groundwater. Wells PCY-13-13S and PCY-13-18S are both greater than 500 ft from the AOC 1 source area, and bis(2-ethylhexyl)phthalate was not detected in any other AOC 1 wells. Thus, it is unlikely that the detections in PCY-13-13S and PCY-13-18S are related to AOC 1, and bis(2-ethylhexyl)phthalate was not considered in additional CAO development.

For 1,1-DCE, the DPT investigation in 2001 and monitoring well sampling in 2002 and 2003 (Figure 4.1) showed exceedences near St. Andrew Bay of the Florida Marine Surface Water Cleanup Target Level (SWCTL) of 3.2 ug/L. The DPT investigation indicated that 1,1-DCE is completely depleted in the source zone, but it has migrated laterally to the edge of St. Andrew Bay at concentrations slightly above the SWCTLs (Figures 4.2 and 4.3). However, the 1,1-DCE exceedences occur at depths of 10 to 30 ft below the water table, such that further migration (vertically upward) is required before contamination would discharge into the surface water of the bay (Figure 4.3). Since there are no wells or DPT locations in the bay, it is unknown where the discharge to surface water would occur. Theoretically, it is possible that the contaminants would attenuate (through biodegradation, dilution, and dispersion) prior to reaching surface water, especially since the source has been eliminated, and the measured concentrations are close to the SWCTL. In 2003, the highest measured concentration of 1,1-DCE in nine wells on the shoreline (Figure 4.1) was 5J, versus the SWCTL of 3.2 ug/L. Between 1997 and 2002, the RFI Addendum showed that 1,1-DCE concentrations had decreased significantly, indicating that attenuation processes are at work. After 2002, 1,1-DCE concentrations continued to decrease, a trend that is best observed in well PCY-13-14I, where the highest concentrations occurred. From 2002 to

2003, the 1,1-DCE concentrations dropped from 18.6 to 11 ug/L (Figure 4.1), indicating that natural attenuation processes continue to be effective.

Because the 2002 and 2003 sampling suggests the potential for groundwater containing 1,1-DCE to discharge to surface water, the following CAO was developed:

Additional Corrective Action Objective (CAO) 3

Address potential surface water discharge of AOC 1 groundwater containing 1,1-DCE concentrations greater than the Florida SWCTL.

Media Protection Standards

For AOC 1 groundwater discharging to St. Andrew Bay, the Media Protection Standard (MPS) would be the state of Florida Department of Environmental Protection (FDEP) Surface Water Cleanup Target Level (SWCTL).

5. Additional Corrective Measure Alternatives

In this section, technologies for accomplishing the Corrective Action Objectives (CAOs) are identified, screened, and developed into alternatives.

5.1 SWMU 10 Additional Corrective Measure Alternatives

5.1.1 SWMU 10 Technology Identification and Screening

Source reduction has already taken place at SWMU 10 through tank and soils excavation. Given the very low concentrations of contaminants in groundwater, it is unlikely that an active remedy or further excavation would achieve the Corrective Action Objective (CAO) for groundwater. Therefore, only one technology alternative, Monitored Natural Attenuation (MNA), is proposed for SWMU 10 groundwater. The MNA alternative is described and evaluated in Section 6 of this report.

5.2 AOC 1 Additional Corrective Measure Alternatives

5.2.1 AOC 1 Technology Identification and Screening

In order to address Additional CAO 3 for AOC 1 groundwater, technologies were identified from the Federal Remediation Technologies Roundtable treatment technologies screening matrix (http://www.frtr.gov/matrix2/top_page.html), published literature, and professional experience. Technology screening was performed to eliminate technologies that may not perform satisfactorily based on specific site conditions.

Technology: Physical Barrier **Screened: Not Applicable**

Description: A subsurface physical barrier usually consists of a vertical trench filled will a slurry of bentonite, soil, and water. Barriers are most effective when they can be keyed into a low permeability layer. Groundwater is contained but not treated.

Applicability: A low permeability confining layer has not been identified at AOC 1. Contaminants near St. Andrew Bay occur at depths up to 30 ft along approximately 250 of shoreline. Under site conditions, groundwater flow would bypass the barrier, making this technology infeasible.

Technology: Permeable Reactive Barrier **Screened: Not Applicable**

Description: A permeable reactive barrier consists of a vertical trench filled with reactive material such as zero-valent metals, chelating agents, sorbents, or microbes. Groundwater passes through the barrier, while contaminants are degraded or retained inside it. Reactive barriers are most effective when they can be keyed into a low permeability layer.

Applicability: A low permeability confining layer has not been identified at AOC 1. Contaminants near St. Andrew Bay occur at depths up to 30 ft along approximately 250 of shoreline. Under site conditions, it would be difficult to ensure that groundwater flow would not pass under the barrier, making this technology infeasible.

Technology: Pump and Treat **Screened: Not Applicable**

Description: Pump and treat can be deployed as a treatment or a containment technology. For treatment, contaminated groundwater is pumped from the subsurface, treated, and discharged. For containment, the pumping rate is designed to create sufficient drawdown for hydraulic control of contaminant plumes.

Applicability: A low permeability confining layer has not been identified at AOC 1, so pumping rates would need to be quite high for plume containment. Since contaminants are spread across depths of 10 to 30 ft below ground surface, it would be difficult to verify capture of all groundwater across the vertical dimension. A pump and treat system would be large scale and invasive of the shoreline environment. Contaminant levels are already low, so the cost per unit mass removed would be prohibitive. For these reasons, pump and treat is deemed infeasible at AOC 1.

Technology: Thermal Treatment **Screened: Not Applicable**

Description: Thermal treatment includes processes such as electrical resistive heating and steam injection to vaporize groundwater contaminants. Thermal treatment is generally applied in source zones, and can remediate groundwater to concentrations in the range of 100 ug/L.

Applicability: At AOC 1, the contamination is spread over depths of 10 to 30 feet along approximately 250 ft of shoreline. Concentrations of 1,1-DCE are already below 10 ug/L, and the SWCTL is 3.2 ug/L. Thus, thermal treatment would be quite costly per unit mass removed, and it is doubtful that this technology would be effective at the low concentrations required. For these reasons, thermal treatment is deemed infeasible at AOC 1.

Technology: Enhanced Reductive Dechlorination **Screened: Not Applicable**

Description: A source of electron donor (e.g. molasses, vegetable oil, chitin, lactate) is injected into the subsurface to create anaerobic conditions. This leads to biological reductive dechlorination of chlorinated compounds. Degradation occurs in a sequence, leading to a variety of intermediates and daughter products. For the case of chlorinated ethenes, reductive dechlorination occurs in the sequence PCE → TCE → DCE → VC → ethene.

Applicability: The contaminant of significance at the AOC 1 shoreline is 1,1-DCE, which has been produced by the dehydrohalogenation of 1,1,1-TCA. Under anaerobic conditions, 1,1-DCE can reductively dechlorinate to vinyl chloride (VC), but conditions at the site are generally aerobic, and VC has never been detected. Since 1,1-DCE concentrations have decreased significantly over time, aerobic degradation is likely taking place. Given the current levels of dissolved oxygen (DO), it would be difficult to inject sufficient electron donor to create anaerobic conditions. Even if successful, the aerobic process would be disrupted, and it is possible that vinyl chloride would be produced. Vinyl chloride is a carcinogen that degrades much more readily under aerobic conditions than anaerobic conditions. For these reasons, enhanced reductive dechlorination is deemed inappropriate at AOC 1.

Technology: Biosparging **Screened: Applicable**

Description: For enhanced aerobic degradation, a source of oxygen (e.g. air, H_2O_2, pure oxygen, or a proprietary compound) is injected into the subsurface to create aerobic conditions for biodegradation. When air is injected a low flow rates, this process is called biosparging, and it leads to direct oxidation of fuels and lightly chlorinated compounds such as DCE and VC. In addition to stimulation of biodegradation, biosparging acts to physically strip volatile contaminants from groundwater.

Applicability: The contaminant of significance at the AOC 1 shoreline is 1,1-DCE, which can undergo direct oxidation. Existing conditions at the site are generally aerobic, but oxygen concentrations are low in some locations. While it is conceivable that addition of oxygen could stimulate more rapid degradation, 1,1-DCE concentrations are already quite low and would provide very little food for enhanced microbial degradation. Since biosparging also has a component of physical stripping, it is possible that it would be an effective treatment technology.

Technology: Air Sparging / Soil Vapor Extraction **Screened: Not Applicable**

Description: Air is injected at a high rate (compared to biosparging), and volatile contaminants such as 1,1-DCE are stripped out of groundwater. Air is extracted from the vadose zone to capture and treat contaminants in the air stream.

Applicability: The contaminant of significance at the AOC 1 shoreline is 1,1-DCE, which is volatile and conducive to physical stripping by air sparging. However, the vadose zone is virtually nonexistent along the shoreline, so soil vapor extraction (SVE) would not be practical. Thus, air sparging / SVE is deemed infeasible at AOC 1.

Technology: Monitored Natural Attenuation **Screened: Applicable**

Description: Contaminant concentrations are reduced to acceptable levels by natural processes such as biodegradation, chemical reactions, volatilization, dilution, and adsorption. Monitoring occurs to measure contaminant concentrations, determine degradation processes, estimate degradation rates, and watch for plume expansion or contraction.

Applicability: Two lines of evidence indicate that natural attenuation is occurring at AOC 1. 1) Monitoring wells show significant and consistent decreases in the concentration of 1,1-DCE between 1997 and 2003. 2) Geochemical parameters at AOC 1 indicate that the aquifer is predominantly aerobic, which is conducive to biodegradation of 1,1-DCE. Also, tidal fluctuations in St. Andrew Bay can be expected to cause dilution of groundwater near the discharge point.

One potential drawback for Monitored Natural Attenuation (MNA) at AOC 1 is that 1,1-DCE slightly exceeds the SWCTL in monitoring wells along the shoreline. However, as described in Section 4.3, 1,1-DCE still has a distance to travel vertically upward before it reaches St. Andrew Bay. In wells closest to the bay, the maximum concentration of 1,1-DCE at the shoreline is 5J ug/L, which is only slightly above the Florida SWCTL of 3.2 ug/L. Since the concentrations of 1,1-DCE are so low, and given the efficiency of aerobic biodegradation combined with dilution caused by tidal fluctuations, it is reasonable to expect that 1,1-DCE would attenuate prior to reaching the bay. To verify this hypothesis, sampling would occur in St. Andrew Bay to determine the location of groundwater discharge and to measure contaminant concentrations, if any, at the discharge locations. Thus, MNA is considered to be a feasible alternative for AOC 1.

6. Evaluation of Alternatives

In this section, technology alternatives that have passed the screen are evaluated against nine standards, as described in *RCRA Corrective Action Plan* (USEPA, 1994). These standards include four primary criteria that are described briefly below:

1) **Protection of human health and the environment.** Remedies may include measures that are needed to be protective but are not related directly to site cleanup (e.g. providing alternative drinking water supply).
2) **Attainment of media protection standards.** Address whether the potential remedy will achieve the remediation objectives, and estimate the time to reach objectives.
3) **Control of the source of the releases to the environment.** Address whether source control measures are necessary, and if so, the type of control that would be appropriate.
4) **Compliance with applicable standards for management of wastes.** Discuss how waste management activities will comply with applicable state and federal regulations (e.g. closure requirements, land disposal restrictions).

The remaining standards for evaluation include five general factors:

5) **Long-term reliability and effectiveness.** Evaluate each alternative in terms of the length of time that it can remain useful and deal with uncontrollable changes at the site (e.g. heavy rain, earthquakes, etc.).
6) **Reduction in toxicity, mobility, and volume of wastes.** Preference is given to remedies that eliminate or substantially reduce the volume of waste or its risk to human health and the environment.
7) **Short term effectiveness.** Specify protective measures needed for wastes that pose high risk to humans or the environment, especially in densely populated areas.
8) **Implementability.** Address administrative activities (e.g. permits, rights of way, off-site approvals, etc.); constructability; and availability of adequate treatment, storage, and disposal services.
9) **Cost.** Consider cost especially where more than one alternative offers equivalent results. When only one remedy is being proposed, cost does not need to be considered.

6.1 SWMU 10 Evaluation of Alternatives

6.1.1 Alternative 10-2: Monitored Natural Attenuation

Based on the technology screening, monitored natural attenuation (MNA) is the only corrective action alternative to be considered for SWMU 10 groundwater. The method outlined in *RCRA Corrective Action Plan* (USEPA, 1994) is used below in the description and evaluation of alternatives.

6.1.1.1 Description of Alternative 10-2: Monitored Natural Attenuation

With Monitored Natural Attenuation (MNA), natural subsurface processes would be used to reduce contaminant levels to meet the Media Protection Standards (MPSs). These processes may include biodegradation, chemical reactions, dilution, volatilization, and adsorption. For SWMU 10 groundwater, the MPSs are proposed to be the FDEP GCTLs.

Groundwater monitoring would be used to assess the effectiveness of natural attenuation. Monitoring would occur quarterly for the first year, and annually each subsequent year. Samples would be collected from wells PCY-10-1R, PC-363-MW-2, and PCY-10-4R (see Figure 2.3). These wells were chosen because the groundwater sampling from 2002 and 2003 indicates exceedences of the GCTLs by organic contaminants in wells PCY-10-1R and PC-363-MW-2. Well PCY-4R showed no exceedences for organic contaminants, but it is located down-gradient of the SWMU 10 source zone and would indicate whether organic contaminants begin to migrate to St. Andrew Bay.

Samples would be analyzed for 1,2,4-trimethylbenzene, 1-methylnaphthalene, 2-methylnaphthalene, 4-methylphenol, and naphthalene, since these contaminants appear to be related to SWMU10 releases, and they exceeded the GCTLs during 2002 and 2003. Bis(2-ethylhexyl)phthalate, arsenic, and manganese also exceeded the GCTLs during 2002 and/or 2003, but they are not attributed to the SWMU10 releases (see Section 2.1.3). Nevertheless, under this corrective action alternative, arsenic and manganese would also be monitored in the three wells mentioned above, as well as PC-363-MW-3. In addition, a new monitoring well will be installed down-gradient of PC-363-MW-2 in order to determine whether arsenic or manganese is being transported to St. Andrew Bay. It is expected that the arsenic and manganese concentrations will decrease to acceptable levels after the air sparging is complete at UST Site 325.

Exit Strategy. The exit strategy for SWMU 10 would depend on the concentrations of 1,2,4-trimethylbenzene, 1-methylnaphthalene, 2-methylnaphthalene, 4-methylphenol, and naphthalene. Monitoring would continue for 5 years, or until the measured concentration of these contaminants dropped below their GCTLs for monitoring events spanning a one year period. Based on this criteria, individual contaminants could be eliminated from the monitoring program, while monitoring would continue for other contaminants. After 5 years, if concentrations of certain contaminants continue to exceed the GCTL, then alternative remedies may be considered.

6.1.1.2 Evaluation of Alternative 10-2: Monitored Natural Attenuation

1) **Protection of human health and the environment.** Monitored Natural Attenuation (MNA) at SWMU 10 would be protective of human health since there is no exposure of humans to groundwater under current conditions, and these conditions are not expected to change during the time needed for MNA to achieve the GCTLs. Likewise, ecological receptors are not exposed to SWMU 10 groundwater, so MNA would be protective of the environment.

2) **Attainment of media protection standards.** For groundwater at SWMU 10, the MPSs would be the Florida GCTLs. Groundwater samples taken from SWMU 10 in 2002 and 2003 indicate that the contaminant levels are low (i.e. close to the GCTLs); the water table is approximately 6 feet below ground surface (bgs); and most of the site is not paved. In this setting, aerobic conditions are likely to be maintained, as dissolved oxygen (DO) is introduced to the site in recharge water during rain storms. Aerobic processes can be expected to biodegrade the low levels of organic contaminants within 5 years. This time estimate is based on experience with aerobic biodegradation at similar sites. Due to infrequent historical sampling at SWMU 10 and the tank removal in 2002, the available groundwater data do not allow a direct calculation of the MNA remediation time.

3) **Control of the source of the releases to the environment.** The source of releases of organic contaminants from SWMU 10 has been controlled through removals of USTs and contaminated soil. Currently, the organic contaminants associated with SWMU 10 exceed the GCTLs only in one source area well, PCY-10-1R. This indicates that contamination is not migrating in groundwater.

4) **Compliance with applicable standards for management of wastes.** No wastes would be generated by an MNA remedy.

5) **Long-term reliability and effectiveness.** MNA would be reliable in the long term, and its effectiveness would only be enhanced by large storms, which would introduce additional oxygen and dilution water through recharge.

6) **Reduction in toxicity, mobility, and volume of wastes.** Biodegradation of the organic contaminants at SWMU 10 would reduce the volume of waste without producing toxic endproducts. Observed increases in arsenic and manganese concentrations are attributed to biological activity resulting from the air sparging at UST Site 325, rather than SWMU 10 (see Section 2.1.3).

7) **Short term effectiveness**. Since the concentrations of organic contaminants are already close to the Florida GCTLs, it is likely that MNA would be effective relatively quickly. In the interim, there is no exposure to SWMU 10 groundwater.

8) **Implementability.** No construction would be needed, and groundwater monitoring could be carried out readily.

9) **Cost.** The estimated present worth of the MNA alternative is $107,000, based on groundwater monitoring of 3 wells over a 5 year period. Details of the cost estimate are presented in Appendix C.

6.2 AOC 1 Evaluation of Alternatives

Based on the technology screening, biosparging and monitored natural attenuation (MNA) are the corrective action alternatives to be considered for AOC 1. The method outlined in *RCRA Corrective Action Plan* (USEPA, 1994) is used below in the description and evaluation of alternatives.

6.2.1 Alternative 1-3: Biosparging

6.2.1.1 Description of Alternative 1-3: Biosparging

Biosparging is an in situ technology in which air is injected into contaminated groundwater. Compared to typical air sparging, biosparging uses a low flow rate, with the goal of adding oxygen for enhanced biodegradation of organic contaminants. Despite the low flow rate, the air will cause a limited amount physical stripping of volatile contaminants out of the groundwater. Because physical stripping is limited, soil vapor extraction is not typically employed in the unsaturated zone above a biosparging system. The effectiveness of biosparging may be limited by subsurface heterogeneities that cause the air to bypass certain zones.

At AOC 1, biosparging would be used as a containment technology to address potential discharge of 1,1-DCE into St. Andrew Bay. Biosparge wells would be installed as shown in Figure 6.1, with well spacing based on an estimated 15 ft radius of influence for oxygen delivery. This estimated radius of influence is a typical value for sands, and it would need to be refined by site specific design calculations. Wells PCY-13-14I, PCY-13-17S, PCY-13-17I, PCY-13-17D, PCY-13-18S, PCY-13-18I, and PCY-13-18D would be sampled to monitor the effectiveness of the system. These wells were chosen because the groundwater sampling from 2002 and 2003 indicates that 1,1-DCE exceeded the SWCTL of 3.2 ug/L in the these locations, although not necessarily at all depths (Figure 6.1). Since 1,1-DCE was the only contaminant that exceeded its SWCTL in wells adjacent to St. Andrew Bay, 1,1-DCE would be the only contaminant analyzed and reported as part of this alternative. Note that VOCs, SVOCs, and geochemical parameters would be analyzed in selected wells as part of the Natural Attenuation alternative for CAO 2, developed in the original CMS.

<u>Exit Strategy</u>. Biosparging at AOC 1 would continue for 5 years, or until the measured concentration of 1,1-DCE dropped below the SWCTL in the 7 wells listed above, for

monitoring events spanning a one year period. Following shut down of the biosparging system, the wells would be monitored for potential rebound. If 1,1-DCE concentrations remain below the SWCTL for six months after shutdown, the biosparging will be deemed complete and the CAO accomplished. After five years, if concentrations of 1,1-DCE continue to exceed the SWCTL, then alternative remedies may be considered.

6.2.1.2 Evaluation of Alternative 1-3: Biosparging

1) **Protection of human health and the environment.** Biosparging would be protective of human health since there is no exposure of humans to AOC 1 groundwater under current conditions, and these conditions are not expected to change during the time needed for remedy completion. Biosparging should prevent 1,1-DCE discharge to St. Andrew Bay in exceedence of the SWCTL, so ecological receptors would not be exposed to unacceptable levels of 1,1-DCE. Thus, biosparging would be protective of the environment.

2) **Attainment of media protection standards.** For AOC 1 groundwater discharging into St. Andrew Bay, the MPS would be the Florida SWCTL for 1,1-DCE. Groundwater samples taken from AOC 1 in 2002 and 2003 indicate that the 1,1-DCE levels are low; i.e., close to the SWCTL. In general at AOC 1, dissolved oxygen (DO) is available in the groundwater; however, near the bay DO may be somewhat low for optimal aerobic degradation. Furthermore, anaerobic microsites can exist in predominantly aerobic aquifers. Biosparging would increase the available DO for aerobic biodegradation of 1,1-DCE, and the air would provide limited physical stripping of 1,1-DCE from the groundwater. These processes would not be efficient because the 1,1-DCE concentrations are so low, but only a small decrease is needed to bring 1,1-DCE below the SWCTL of 3.2 ug/L. It is expected that biosparging would be needed to contain 1,1-DCE for approximately 5 years. This time estimate is based on the rate of groundwater flow at AOC1 and the expected natural biodegradation rate upgradient of the biosparge system. Due to infrequent historical sampling at AOC 1 and the current low concentrations of 1,1-DCE, the available groundwater data do not allow a direct calculation of the remediation time.

3) **Control of the source of the releases to the environment.** The source of 1,1-DCE from AOC 1 has been controlled through bioslurping. Groundwater measurements from the 1991 DPT investigation, the 2002 sampling for the RFI

Addendum, and the 2003 interim sampling indicate that the 1,1-DCE has been reduced in the source zone, such that 1,1-DCE is not detected in the middle portion of the plume (see Figure 2.5).

4) **Compliance with applicable standards for management of wastes.** Any wastes generated by biosparging would be managed in accordance with applicable RCRA and Florida FDEP regulations.

5) **Long-term reliability and effectiveness.** Biosparging would be reliable in the long term, as long as the system was operated and maintained properly.

6) **Reduction in toxicity, mobility, and volume of wastes.** Biodegradation of 1,1-DCE at AOC 1 would reduce the volume of waste without producing toxic endproducts. In particular, the aerobic biodegradation of 1,1-DCE yields carbon dioxide, water, and chloride, without producing vinyl chloride.

7) **Short term effectiveness**. Since the concentration of 1,1-DCE is already close to the Florida SWCTL, it is likely that biosparging would quickly reduce 1,1-DCE concentrations below the SWCTL, thus establishing an effective barrier to further migration.

8) **Implementability.** Biosparging systems are commonly constructed; however, at AOC 1, implementability would be affected by a nearby archaeological site. The archaeological site 8BY71 consists of a Native American ovate shell midden adjacent to the St. Andrew Bay shoreline (Brockington and Associates, 1998). The Station Environmental Map (Brockington and Associates, 1998) shows that the site itself overlaps the northern portion of the biosparging treatment area, and the 300 ft archaeological site buffer zone would overlap essentially the entire treatment area (the archaeological site is not shown in this CMS report, since by regulation, its location cannot be made available to the public). The presence of the archaeological site could make it difficult and time consuming to meet permit requirements for the biosparging system.

9) **Cost.** The estimated present worth of the biosparging alternative is $362,000, based on system operation and groundwater monitoring of 8 wells over 5 years. A cost estimate is presented in Appendix C.

6.2.2 Alternative 1-4: Monitored Natural Attenuation

6.2.2.1 Description of Alternative 1-4: Monitored Natural Attenuation

With Monitored Natural Attenuation (MNA), natural subsurface processes would be used to reduce contaminant levels to meet the Media Protection Standards (MPSs). These processes may include biodegradation, chemical reactions, dilution, volatilization, and adsorption. For AOC 1 groundwater discharging to St. Andrew Bay, the MPSs are proposed to be the Florida SWCTLs. Since 1,1-DCE is the only contaminant that exceeds the SWCTL in wells adjacent to St. Andrew Bay, 1,1-DCE would be the only contaminant analyzed and reported as part of this alternative. Note that VOCs, SVOCs, and geochemical parameters would be analyzed in selected wells as part of the Natural Attenuation alternative for CAO 2, developed in the original CMS.

As a first step in the MNA alternative, Coastal Contamination Migration Monitoring would be used to determine whether or not 1,1-DCE is actually discharging into St. Andrew Bay at levels above the SWCTL of 3.2 ug/L. A protocol for coastal monitoring has been developed and described by the SPAWAR Systems Center and the Naval Facilities Engineering Service Center (NFESC, 2003). The coastal monitoring would be used as a one time event to determine the zone of groundwater discharge into St. Andrew Bay, and the level of contamination, if any, in the discharge. Based on work at other sites, it is expected that the coastal monitoring would involve the following steps:

1. Screen the site for areas of potential groundwater discharge using a Temperature / Conductivity / Pore Water Probe (Trident® Probe). Conductivity and temperature measurements can be used to distinguish groundwater and surface water based on salinity and temperature differences. Water samples would be collected with the Trident during the screening survey. These samples would be analyzed on site for standard water quality characteristics, and a subsample would be provided for VOC analysis. The screening would likely be done along transects, as shown in Figure 6.2.

2. If VOCs are detected above the SWCTLs with the Trident survey, follow up sampling would be performed using the Ultrasonic Multi-Sample Seepage Meter (UltraSeep Meter) in the areas of most concern. This would provide more detailed information

on the flow mechanism that is driving the migration at the interface, the rates of flow, and the actual concentrations that are emerging into the surface water.

In addition, surface water will be sampled for 1,1-DCE in the area adjacent to monitoring wells PCY-13-17 and PCY-13-18 to determine if the surface water standard may be exceeded. Also, monitoring well PCY-13-18 will be re-sampled to determine if the bis(2-ethylhexyl)phthalate could be related to contamination from the lab.

If the Coastal Contamination Migration Monitoring found that 1,1-DCE was not discharging to the bay in excess of the SWCTL, groundwater monitoring of existing wells would be used to assess the ongoing effectiveness of natural attenuation. Monitoring would occur quarterly for the first year, and annually each subsequent year. Samples would be collected from PCY-13-12I, PCY-13-14I, PCY-13-17S, PCY-13-17I, PCY-13-17D, PCY-13-18S, PCY-13-18I, and PCY-13-18D. These wells were chosen because the groundwater sampling from 2002 and 2003 indicated that 1,1-DCE exceeded its SWCTL of 3.2 ug/L in these locations, although not necessarily at all depths (Figure 6.2).

Exit Strategy. Monitoring of the 8 permanent wells at AOC 1 would continue for 5 years, or until the measured concentration of 1,1-DCE dropped below the SWCTL in the 8 wells listed above, for monitoring events spanning a one year period. After 5 years, if concentrations of 1,1-DCE continue to exceed the SWCTL, then alternative remedies may be considered.

6.2.2.2 Evaluation of Alternative 1-4: Monitored Natural Attenuation

1) **Protection of human health and the environment.** Monitored Natural Attenuation (MNA) of the groundwater discharge at AOC 1 would be protective of human health since there is no exposure of humans to groundwater under current conditions, and these conditions are not expected to change during the time needed for remediation. Assuming that the Coastal Contamination Migration Monitoring shows no 1,1-DCE discharge to St. Andrew Bay in exceedence of the SWCTL, ecological receptors would not be exposed to unacceptable levels of 1,1-DCE. Thus, MNA would be protective of the environment.

2) **Attainment of media protection standards.** For AOC 1 groundwater discharging into St. Andrew Bay, the MPS would be the Florida SWCTL for 1,1-DCE. Groundwater samples taken from AOC 1 in 2002 and 2003 indicate that the 1,1-DCE

levels are low (i.e. close to the SWCTL), the water table is very shallow, and the area near the shoreline is not paved. Under these conditions, dissolved oxygen (DO) will be introduced in recharge water during rain storms. This process can be expected to biodegrade the low levels of 1,1-DCE within 5 years. This rough time estimate is based on experience with biodegradation at other Navy sites. Due to infrequent historical sampling at AOC 1 and the current low concentrations of 1,1-DCE, the available groundwater data do not allow a direct calculation of the MNA remediation time.

3) **Control of the source of the releases to the environment.** The source of 1,1-DCE from AOC 1 has been controlled through bioslurping. Groundwater measurements from the 1991 DPT investigation, the 2002 sampling for the RFI Addendum, and the 2003 interim sampling indicate that the 1,1-DCE has been reduced in the source zone, such that 1,1-DCE is not detected in the middle portion of the plume (see Figure 2.5).

4) **Compliance with applicable standards for management of wastes.** No wastes would be generated by an MNA remedy.

5) **Long-term reliability and effectiveness.** MNA would be reliable in the long term, and its effectiveness would only be enhanced by large storms, which would introduce additional oxygen and dilution water through recharge.

6) **Reduction in toxicity, mobility, and volume of wastes.** Naturally occurring biodegradation of 1,1-DCE at AOC 1 would reduce the volume of waste without producing toxic endproducts. In particular, vinyl chloride has never been detected above the GCTL in AOC 1 groundwater.

7) **Short term effectiveness**. Since the concentration of 1,1-DCE is already close to the Florida SWCTL, it is likely that the Coastal Contamination Migration sampling will show that 1,1-DCE is not discharging into St. Andrew Bay. Thus, MNA would be effective immediately in preventing discharge to the bay, and up-gradient sampling of permanent wells would be used to monitor the expected decrease in 1,1-DCE concentrations over time.

8) **Implementability.** No construction would be needed, and groundwater monitoring could be carried out readily. The Coastal Contamination Migration Monitoring may be funded as a Department of Defense Environmental Security Technology

Certification Program (ESTCP) demonstration site. If ESTCP funding is not approved, the technology would be implemented using normal funding for the Navy Installation Restoration program.

9) **Cost.** The estimated present worth of the MNA alternative is $184,000, based on groundwater monitoring of 8 wells over a 5 year period. A cost estimate is presented in Appendix C. In addition, the one time Coastal Contamination Migration Monitoring would cost approximately $80,000, based on historical costs for similar projects provided by the SPAWAR Systems Center and the Naval Facilities Engineering Service Center (NFESC).

7. Recommendations

In this section, a corrective measure is recommended for each Additional Corrective Action Objective (CAO) developed in this CMS Addendum, and a justification for the decision is presented. Recommendations are based on the nine criteria and other factors used to evaluate the alternatives.

7.1 SWMU 10 Recommended Alternative

One Additional CAO was developed to address organic contaminants in SWMU 10 groundwater, and one corrective action alternative was identified. Since source reduction has already been accomplished through removal of tanks and contaminated soils, and since the concentrations of remaining contaminants are quite low, an active remedy was deemed inappropriate for SWMU 10. Thus, Alternative 10-2: Monitored Natural Attenuation (MNA) is the recommended corrective measure.

7.2 AOC 1 Recommended Alternative

One Additional CAO was developed to address potential discharge of 1,1-DCE from AOC 1 groundwater to surface water, and two corrective action alternatives were identified. The recommended corrective measure is Alternative 1-4: Monitored Natural Attenuation.

Based on analytical data and site characteristics, it is expected that the Coastal Contamination Migration Monitoring will show that 1,1-DCE is not discharging to St. Andrew Bay. In this case, MNA would be just as effective as an active remedy in protecting human health and the environment. Furthermore, the concentration of 1,1-DCE has decreased steadily over time and is currently at very low levels. In 2003, the maximum 1,1-DCE concentration in the nine wells along the shoreline was 5J ug/L versus the marine Surface Water Cleanup Target Level (SWCTL) of 3.2 ug/L. Experience has shown that it is very difficult and inefficient to remediate such low concentrations using an active system such as biosparging. Moreover, given the steady decrease in 1,1-DCE concentration over time, it is possible that 1,1-DCE concentrations would fall below the SWCTL before the biosparge system could be designed and installed.

Compared with the other alternative (biosparging), MNA would also have the following advantages:

- Essentially no remediation wastes.
- No intrusive equipment or piping on site. This is particularly important since the presence of the archaeological site may impact the implementability of biosparging.
- The cost of MNA would be significantly lower than biosparging, as the present worth cost for MNA is estimated to be $184,000 versus $362,000 for biosparging (Appendix C).

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Appendix A

Tables

Table 2.1. Summary of detections in SWMU 10 groundwater samples. Shaded values indicate exceedence of the Florida Groundwater (GW) Cleanup Target Levels (GCTLs) or Marine Surface Water Cleanup Target Levels (SWCTLs). Background concentrations for unfiltered groundwater are from the original RFI (ABB-ES, 1996).

SWMU 10 Wells

Sample Location	Florida Limit[1] GCTL	Florida Limit[1] SWCTL	PCY-10-1R	PC-363-MW-2	PC-363-MW-3	PCY-10-4R	PCY-10-5DR	PC-363-MW-6	PC-363-MW-7	PCY-10-8R	PCY-10-9	Unfiltered Background
Sample Date			5/14/03	5/14/03	5/20/03	5/14/03	5/14/03	5/14/03	5/14/03	5/14/03	5/14/03	1/5/94
VOCs (ug/L)												
1,2,4-Trimethylbenzene	10	217.5	13	--	--	--	--	--	--	--	--	NA
1,2-Dichlorobenzene	600*	99	0.5J	--	--	--	--	--	--	--	--	NA
1,3,5-Trimethylbenzene	10	215	5	--	--	--	--	--	--	--	--	NA
Bromomethane	9.8	35	2 J	--	--	--	2 J	--	--	1 J	--	NA
Carbon Disulfide	700	105	0.2J	--	--	0.3J	0.4J	0.5J	--	--	0.2J	NA
Ethylbenzene	30*	605	0.4J	--	--	--	--	--	--	--	--	NA
Isopropylbenzene (Cumene)	0.8	255	0.5J	--	--	--	--	--	--	--	--	NA
Tetrachloroethene	3*	8.85**	0.7J	--	--	--	--	--	--	--	--	NA
Toluene	40*	475	--	--	--	--	--	--	--	0.3J	--	NA
Xylenes (total)	20*	370	2 J	--	--	--	--	--	--	--	--	NA
SVOCs (ug/L)												
1-Methylnaphthalene	20	95	24	--	--	--	--	--	--	0.13J	--	NA
2-Methylnaphthalene	20	30	35 J	--	--	--	--	--	--	--	--	NA
4-Methylphenol (p-Cresol)	4	70	5 J	--	--	--	--	--	--	--	--	NA
Acenaphthene	20	3	1.2J	--	--	--	--	--	--	0.88	--	NA
bis(2-Ethylhexyl)phthalate	6*	0.02	--	27	--	--	--	--	--	--	--	NA
Fluorene	280	30	0.89J	--	--	--	--	--	--	0.33	--	NA
Naphthalene	20	26	27 J	--	--	--	--	--	--	1 J	--	NA
Phenanthrene [2]	210	0.031**	2.5J	--	--	--	--	--	--	--	--	NA

Table 2.1. Summary of detections in SWMU 10 groundwater samples. Shaded values indicate exceedence of the Florida Groundwater (GW) Cleanup Target Levels (GCTLs) or Marine Surface Water Cleanup Target Levels (SWCTLs). Background concentrations for unfiltered groundwater are from the original RFI (ABB-ES, 1996).

SWMU 10 Wells

Sample Location	Florida Limit[1] GCTL	Florida Limit[1] SWCTL	PCY-10-1R	PC-363-MW-2	PC-363-MW-3	PCY-10-4R	PCY-10-5DR	PC-363-MW-6	PC-363-MW-7	PCY-10-8R	PCY-10-9	Unfiltered Background
Sample Date			5/14/03	5/14/03	5/20/03	5/14/03	5/14/03	5/14/03	5/14/03	5/14/03	5/14/03	1/5/94
Geochemical Parameters												
Arsenic (ug/L)	50*	50**	--	4.8	--	90.3	--	--	--	--	--	50.9
Dissolved Oxygen (mg/L)			0.38	1.27	7.34	8.55	0.41	0.31	0.4	9.59	0.52	NA
Ethane (ug/L)			--	--	--	--	--	--	--	--	--	NA
Ethene (ug/L)			--	--	--	--	--	--	--	--	--	NA
Manganese (ug/L)	50*	NA	85.6	200	358	996	31.7	11.9	12.4	279	80.5	165
Methane (ug/L)			180	--	--	--	250	250	500	32	850	NA
ORP (mV)			-179	71	501	436	-200	-150	-78	-60	-150	NA
pH (S.U.)			6.38	5.75	2.72	2.39	6.8	6.4	6.4	6.73	6.8	NA
Total Organic Carbon (mg/L)			22	NA	5.8	NA	NA	14	2	NA	6.9	NA
Turbidity (NTU)			1.9	4.1	33	7.6	42	260	19	19.2	5.2	NA

Notes: J = estimated value below the sample limit of quantification
NA = not available or not applicable
ORP = Oxidation Reduction Potential
* = Florida Primary MCL, FAC 62-550 (or Secondary Standard for ethylbenzene, toluene, xylenes, manganese)
** = Class II of Florida Surface Water Quality Rule, FAC 62-302.530
[1] Table I of Florida Contaminant Cleanup Target Levels, FAC 62-777
[2] Phenanthrene is grouped with Total PAHs in Florida Surface Water Quality Rule, FAC 62-302.530
-- = not detected
PC-363-MW-3 located in proximity of Building 325 air sparge / SVE system

Table 2.2. Summary of detections for SWMU 10 soil samples. Shaded values indicate exceedence of one of the Florida Soil Cleanup Target Levels (SCTLs).

SWMU 10 Soil Samples PCYS10Z-

	Florida Soil Cleanup Target Levels									
	Direct Exposure		Leachability							
	Residential	Industrial	GW Criteria	Marine SW Criteria	306 04/30/03	506 04/30/03	904 04/30/03	906 04/30/03	1404 04/30/03	1406 04/30/03
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
VOCs										
Tetrachloroethene	8.9	17	0.03	0.1	0.004J	--	0.007	--	--	--
Trichlorofluoromethane	200	1,300	33	NA	0.009	--	--	--	0.030	--
Xylenes (Total)	5,900	40,000	0.2	3.9	--	--	--	--	--	0.016 J
SVOCs										
2-Methylnaphthalene	80	560	6.1	9.1	--	--	--	--	--	0.380J
Acenaphthene	1,900	18,000	2.1	0.7	--	0.033J	--	--	--	--
Acetophenone	2,700	24,000	3.9	44	--	--	--	--	--	0.280J
bis(2-ethylhexyl)phthalate (DEHP)	76	280	3,600	12	0.320J	0.096J	0.960J	0.420	0.076J	0.420
Benzo(a)anthracene	1.4	5	3.2	0.7	--	--	--	0.095J	--	--
Chrysene	140	450	77	0.7	--	0.045J	--	--	--	--
Fluoranthene	2,900	48,000	1,200	1.3	--	--	--	0.042J	--	--
Fluorene	2,200	28,000	160	17	--	0.025J	--	--	--	--
Phenanthrene	2,000	30,000	250	0.7	--	0.043J	--	--	--	0.100J
Pyrene	2,200	37,000	880	1.3	0.140J	0.049J	--	0.250J	--	0.120J
TPH										
C10-C12 Aliphatics	1,300	9,400	51,000	NA	--	NA	73	--	--	--
C12-C16 Aliphatics	2,300	19,000	1,000,000	NA	--	NA	110	55	--	87
C16-C21 Aliphatics	32,000	250,000	1,000,000	NA	--	NA	--	--	--	52
C21-C35 Aliphatics	32,000	250,000	1,000,000	NA	--	NA	--	--	--	300
C8-C10 Aromatics	340	2,500	340	NA	--	NA	51	--	--	72
C12-C16 Aromatics	1,200	11,000	1,000	NA	--	NA	--	--	--	57
TPH (C8-C40)	340	2,500	340	340	560	110	1,700	9,500	480	1,900
Inorganics										
Arsenic	0.8	3.7	29	NA	0.24	0.91	0.58	0.47	0.51	0.94
Cadmium	75	1300	8	NA	0.04	0.09	0.06	0.05	0.04	0.07
Chromium (total)	210	420	38	NA	1.3	6.4	2.2	4.1	2.5	3.2
Lead	400	920	NA	NA	2.6	4.5	6.2	6.6	3.7	3.5

Notes: J = estimated value below the sample limit of quantification
NA = not available or not analyzed
TPH (C8-C40) analyzed by Florida Petroleum Residual Organic (FL-PRO) Method

TPH = Total Petroleum Hydrocarbon
-- = not detected

Table 2.3. Summary of detections for the Synthetic Precipitation Leaching Procedure (SPLP) anaylsis of SWMU 10 soil samples. Shaded values indicate exceedence of one of the Florida Groundwater (GW) Cleanup Target Levels (GCTLs) or Marine Surface Water Cleanup Target Levels (SWCTLs).

SPLP from SWMU 10 Soil Samples PCYS10Z-

	Florida Limit***		306	506	904	906	1404	1406
	GCTL	SWCTL	04/30/03	04/30/03	04/30/03	04/30/03	04/30/03	04/30/03
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
SPLP VOCs								
1,1-Dichloroethane	70	NA	NS	0.5J	NS	--	--	NS
1,4-Dichlorobenzene	75	100	NS	--	NS	--	0.2J	NS
Benzene	1*	71.28**	NS	3 J	NS	--	--	NS
Ethylbenzene	30*	605	NS	3 J	NS	--	--	NS
Methyl tert-butyl ether (MTBE)	50	33,600	NS	33 J	NS	--	--	NS
Tetrachloroethene	3	8.85**	NS	0.8 J	NS	--	--	NS
Toluene	40*	475	NS	43	NS	--	--	NS
Xylenes (Total)	20*	370	NS	17	NS	--	--	NS
SPLP SVOCs								
All SVOCs non-detect								
SPLP TPH								
TPH (C8-C40) non-detect								

Notes: J = estimated value below the sample limit of quantification
NA = not available or not applicable
NS = not sampled
* = Florida Primary MCL, FAC 62-550 (or Secondary Std. for ethylbenzene, toluene, xylenes, Manganese)
** = Class II of Florida Surface Water Quality Rule, FAC 62-302.530
*** = Table I of Florida Contaminant Cleanup Target Levels, FAC 62-777
TPH = Total Petroleum Hydrocarbon
-- = not detected

Table 2.4. Summary of detections in AOC 1 groundwater samples. Shaded values indicate exceedance of the Florida Groundwater Cleanup Target Levels (GCTLs) or Marine Surface Water Cleanup Target Levels (SWCTLs).

AOC 1 Wells PCY-13-

Sample Location			2	2D	2S	3D	3S	4 I	4S	5 I	5S	6 I	6S	7 I
Sample Date			5/15/03	5/15/03	5/15/03	5/15/03		5/16/03	5/16/03	5/15/03	5/15/03	5/16/03	5/16/03	5/19/03
	Florida Limit*** GCTL	SWCTL												
VOCs (ug/L)														
1,1,1-Trichloroethane	200*	270	--	--	--	--	NS	--	--	--	--	--	--	--
1,1-Dichloroethane	70	NA	--	--	--	--	NS	26	0.5J	--	--	4 J	1 J	--
1,1-Dichloroethene	7*	3.2**	--	--	--	--	NS	--	--	--	--	--	--	--
1,2-Dichloroethene (cis-)	70	NA	--	--	--	--	NS	0.9J	--	--	--	--	--	--
1,2-Dichloroethene (total)	63	7,000	--	--	--	--	NS	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	560	23,000	--	--	--	--	NS	--	--	--	--	--	--	--
Acetone	700	1,692	--	--	--	--	NS	--	--	--	--	--	--	--
Benzene	1*	71.28**	--	--	--	--	NS	--	--	--	--	--	--	--
Bromomethane	9.8	35	1 J	--	1 J	--	NS	--	--	--	--	6	5	--
Carbon Disulfide	700	105	--	--	--	--	NS	--	--	--	--	--	--	--
Cloroethane	12	NA	--	--	--	--	NS	--	--	--	--	--	--	--
Chloroform	5.7	470.8**	--	--	--	--	NS	--	--	--	--	--	--	--
Ethylbenzene	30*	605	--	--	--	--	NS	--	--	--	--	--	--	--
Methyl Cyclohexane	NA	NA	--	--	--	--	NS	--	--	--	--	--	--	--
Tetrachloroethene	3	8.85**	--	--	--	--	NS	--	--	--	--	--	--	--
Toluene	40*	475	--	--	--	--	NS	--	--	--	--	--	--	--
Trichloroethene	3*	80.7**	--	--	--	--	NS	--	--	--	--	--	--	--
Trichlorofluoromethane	2100	NA	--	--	--	--	NS	--	--	--	--	--	--	--
Vinyl Chloride	1	NA	--	--	--	--	NS	--	--	--	--	--	--	--
Xylenes (total)	20*	370	--	--	--	--	NS	--	--	--	--	--	--	--
SVOCs (ug/L)														
1-Methylnaphthalene	20	95	--	--	--	--	NS	--	--	--	--	--	--	--
2-Methylnaphthalene	20	30	--	--	--	--	NS	--	--	--	--	--	--	--
2-Methylphenol	35	250	--	--	--	--	NS	--	--	--	--	--	--	--
3&4-Methylphenol	4	70	--	--	--	--	NS	--	--	--	--	--	--	--
Acenaphthene	20	3	--	--	--	--	NS	0.82	--	--	--	0.3	--	--
Acenaphthylene	210	0.031**	--	--	--	--	NS	--	--	--	--	--	--	--
Acetophenone	700	7,750	--	--	--	--	NS	--	--	--	--	--	--	--
Anthracene	2100	0.3	--	--	--	--	NS	--	--	--	--	--	--	--
bis(2-ethylhexyl)phthalate (DEHP)	6	0.02	--	--	--	--	NS	--	--	--	--	--	--	--

Table 2.4. Summary of detections in AOC 1 groundwater samples. Shaded values indicate exceedance of the Florida Groundwater Cleanup Target Levels (GCTLs) or Marine Surface Water Cleanup Target Levels (SWCTLs).

AOC 1 Wells PCY-13-

Sample Location	Florida Limit*** GCTL	Florida Limit*** SWCTL	2	2D	2S	3D	3S	4 I	4S	5 I	5S	6 I	6S	7 I
Sample Date			5/15/03	5/15/03	5/15/03	5/15/03		5/16/03	5/16/03	5/15/03	5/15/03	5/16/03	5/16/03	5/19/03
SVOCs (ug/L)														
Fluorene	280	30	--	--	--	--	NS	0.97	--	--	--	0.32	--	--
Naphthalene	20	26	--	--	--	--	NS	--	--	--	--	--	--	--
Phenanthrene	210	0.031**	--	--	--	--	NS	--	--	--	--	--	--	--
Phenol	10	6.5	--	--	--	--	NS	--	--	--	--	--	--	--
Geochemical Parameters														
Arsenic (ug/L)	50*	50**	--	--	--	--	NS	11.6	2.1	2.9	--	--	3.4	--
Dissolved Oxygen (mg/L)			2.79	3.07	2.78	0.52	NS	0.72	5	0.3	5.39	0.61	2.52	1.31
Ethane (ug/L)			--	--	--	--	NS	--	--	--	--	--	--	--
Ethene (ug/L)			--	--	--	--	NS	--	--	--	--	--	--	--
Manganese	50*	NA	6.8	7.3	--	5.6	NS	10	12.3	6.8	1.2	10.1	4.2	4.7J
Methane (ug/L)			--	--	--	48	NS	1000	97	13	--	18	22	34
Oxid. Red. Pot., ORP (mV)			271	108	223	144	NS	-10	56	88	150	1	18	91
pH (S.U.)			5.13	4.77	5.58	4.44	NS	5.45	6.12	5.05	5.91	5.06	5.42	4.74
Total Organic Carbon (mg/L)			NA	NA	NA	--	NS	5.1	3.3	NA	NA	3	14	--
Turbidity (NTU)			23.5	2.7	17.1	7.5	NS	4.3	5.4	19	12	19	9.5	9.5

Notes: J = estimated value below the sample limit of quantification
NA = not available or not applicable
NS = not sampled due to presence of free product
Well PCY-13-7S abandoned due to blockage by tree roots
* = Florida Primary MCL, FAC 62-550 (or Secondary Std. for ethylbenzene, toluene, xylenes, Mn)
** = Class II of Florida Surface Water Quality Rule, FAC 62-302.530
*** = Table I of Florida Contaminant Cleanup Target Levels, FAC 62-777
Targets for 3-Methylphenol are 35 ug/L (GW) and 445 ug/L (SW).
-- = not detected

Table 2.4. Summary of detections in AOC 1 groundwater samples. Shaded values indicate exceedance of the Florida Groundwater Cleanup Target Levels (GCTLs) or Marine Surface Water Cleanup Target Levels (SWCTLs).

AOC 1 Wells PCY-13-

Sample Location	Florida Limit*** GCTL	Florida Limit*** SWCTL	7S	8 I	8S	9 I	9S	10 I	10S	11 I	11S	12 I	13 I	13S
Sample Date				5/16/03	5/16/03	5/15/03	5/15/03	5/15/03	5/15/03	5/15/03	5/15/03	5/16/03	5/19/03	5/19/03
VOCs (ug/L)														
1,1,1-Trichloroethane	200*	270	NS	--	--	--	--	--	120 J	--	--	--	--	--
1,1-Dichloroethane	70	NA	NS	--	--	--	18	--	110 J	9	2 J	9 J	--	--
1,1-Dichloroethene	7*	3.2**	NS	--	--	--	2 J	--	10 J	--	--	4 J	--	--
1,2-Dichloroethene (cis-)	70	NA	NS	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene (total)	63	7,000	NS	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	560	23,000	NS	--	--	--	--	--	3 J	--	--	--	--	--
Acetone	700	1,692	NS	--	--	--	--	--	17 J	--	--	--	--	--
Benzene	1*	71.28**	NS	--	--	--	0.7J	--	1 J	--	--	--	--	--
Bromomethane	9.8	35	NS	--	--	2 J	--	--	3 J	--	--	5 J	--	--
Carbon Disulfide	700	105	NS	--	--	--	--	--	--	--	--	--	0.5J	--
Cloroethane	12	NA	NS	--	--	--	--	--	2 J	--	--	5 J	--	--
Chloroform	5.7	470.8**	NS	--	--	--	--	3 J	--	--	--	--	--	--
Ethylbenzene	30*	605	NS	--	--	--	28	0.2J	52 J	--	--	--	--	--
Methyl Cyclohexane	NA	NA	NS	--	--	--	--	--	3 J	--	--	--	--	--
Tetrachloroethene	3	8.85**	NS	--	--	--	0.8J	--	--	--	--	--	--	--
Toluene	40*	475	NS	--	--	--	73	--	170 J	--	--	--	1 J	--
Trichloroethene	3*	80.7**	NS	--	--	--	--	--	6 J	--	--	--	--	--
Trichlorofluoromethane	2100	NA	NS	--	--	--	--	--	2 J	--	--	--	--	--
Vinyl Chloride	1	NA	NS	--	--	--	--	--	0.2J	--	--	--	--	--
Xylenes (total)	20*	370	NS	--	--	--	72	--	190 J	--	--	--	--	--
SVOCs (ug/L)														
1-Methylnaphthalene	20	95	NS	--	--	--	1.4	--	15	--	--	--	--	--
2-Methylnaphthalene	20	30	NS	--	--	--	3.2J	--	40	--	--	--	--	--
2-Methylphenol	35	250	NS	--	--	--	3 J	--	--	--	--	--	--	--
3&4-Methylphenol	4	70	NS	--	--	--	10	--	45	--	--	--	--	--
Acenaphthene	20	3	NS	--	--	--	1.1	--	0.3J	--	0.38	1.9	--	--
Acenaphthylene	210	0.031**	NS	--	--	--	--	--	0.2J	--	--	--	--	--
Acetophenone	700	7,750	NS	--	--	--	1 J	--	--	--	--	--	--	--
Anthracene	2100	0.3	NS	--	--	--	--	--	0.12J	--	--	--	--	--
bis(2-ethylhexyl)phthalate (DEHP)	6	0.02	NS	--	--	--	--	--	--	--	--	--	--	--

Table 2.4. Summary of detections in AOC 1 groundwater samples. Shaded values indicate exceedance of the Florida Groundwater Cleanup Target Levels (GCTLs) or Marine Surface Water Cleanup Target Levels (SWCTLs).

AOC 1 Wells PCY-13-

Sample Location	Florida Limit*** GCTL	Florida Limit*** SWCTL	7S	8 I	8S	9 I	9S	10 I	10S	11 I	11S	12 I	13 I	13S
Sample Date				5/16/03	5/16/03	5/15/03	5/15/03	5/15/03	5/15/03	5/15/03	5/15/03	5/16/03	5/19/03	5/19/03
SVOCs (ug/L)														
Fluorene	280	30	NS	--	--	--	--	--	0.54J	--	0.24	1.5	--	--
Naphthalene	20	26	NS	--	--	--	7 J	--	33	--	--	0.1J	--	--
Phenanthrene	210	0.031**	NS	--	--	--	--	--	0.56J	--	--	--	0.25J	--
Phenol	10	6.5	NS	--	--	--	--	--	2 J	--	--	--	--	--
Geochemical Parameters														
Arsenic (ug/L)	50*	50**	NS	--	--	--	2.8	--	--	--	9	8.7	17.7	--
Dissolved Oxygen (mg/L)			NS	0.36	0.44	0	3.89	0.67	0.6	0.49	0.51	0.48	0.95	0.88
Ethane (ug/L)			NS	--	--	--	--	--	--	--	--	--	--	--
Ethene (ug/L)			NS	--	--	--	--	--	--	--	--	--	--	--
Manganese	50*	NA	NS	1.8	2.7	5	6.7	5	18.8	6.2	24.9	19.8	25.7	12.2
Methane (ug/L)			NS	--	36	33	2000	--	32	600	21	94	13	13
Oxid. Red. Pot., ORP (mV)			NS	-160	-88	123	-100	183	-163	96	-108	-45	89	120
pH (S.U.)			NS	5.99	5.08	4.56	5.92	4.67	5.54	5.27	6.22	5.65	5.79	5.63
Total Organic Carbon (mg/L)			NS	--	7	NA	NA	3	29	3.3	6.8	4.6	17	10
Turbidity (NTU)			NS	6.3	1.1	11.4	0.4	1.3	4.4	12	3	18.4	7.6	3.3

Notes: J = estimated value below the sample limit of quantification
NA = not available or not applicable
NS = not sampled due to presence of free product
Well PCY-13-7S abandoned due to blockage by tree roots
* = Florida Primary MCL, FAC 62-550 (or Secondary Std. for ethylbenzene, toluene, xylenes, Mn)
** = Class II of Florida Surface Water Quality Rule, FAC 62-302.530
*** = Table I of Florida Contaminant Cleanup Target Levels, FAC 62-777
Targets for 3-Methylphenol are 35 ug/L (GW) and 445 ug/L (SW).
-- = not detected

Table 2.4. Summary of detections in AOC 1 groundwater samples. Shaded values indicate exceedance of the Florida Groundwater Cleanup Target Levels (GCTLs) or Marine Surface Water Cleanup Target Levels (SWCTLs).

AOC 1 Wells PCY-13-

Sample Location	Florida Limit*** GCTL	Florida Limit*** SWCTL	14 I	15 I	15S	16D	16 I	16S	17D	17 I	17S	18D	18 I	18S
Sample Date			5/16/03	5/16/03	5/16/03	5/19/03	5/19/03	5/19/03	5/20/03	5/20/03	5/19/03	5/20/03	5/20/03	5/20/03
VOCs (ug/L)														
1,1,1-Trichloroethane	200*	270	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	70	NA	13	5	--	--	1 J	--	12 J	9 J	4 J	2 J	--	--
1,1-Dichloroethene	7*	3.2**	11	--	--	--	--	--	4 J	5 J	1 J	3 J	2 J	--
1,2-Dichloroethene (cis-)	70	NA	3 J	--	--	--	--	--	0.5J	0.9J	--	0.9J	0.5J	--
1,2-Dichloroethene (total)	63	7,000	3 J	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	560	23,000	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	700	1,692	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	1*	71.28**	2 J	0.2J	--	--	--	--	--	--	0.3J	--	--	--
Bromomethane	9.8	35	7	6	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	700	105	--	--	--	--	--	--	--	--	--	--	--	--
Cloroethane	12	NA	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	5.7	470.8**	--	0.3J	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	30*	605	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Cyclohexane	NA	NA	--	3 J	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	3	8.85**	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	40*	475	--	--	--	--	0.2J	--	--	--	--	--	--	--
Trichloroethene	3*	80.7**	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	2100	NA	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	1	NA	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes (total)	20*	370	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (ug/L)														
1-Methylnaphthalene	20	95	--	--	--	--	--	--	--	--	--	--	0.27	--
2-Methylnaphthalene	20	30	--	--	--	--	--	--	--	--	--	--	0.24	--
2-Methylphenol	35	250	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	4	70	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	20	3	--	0.5	--	--	--	--	0.26	0.56	--	--	0.15J	--
Acenaphthylene	210	0.031**	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	700	7,750	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	2100	0.3	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-ethylhexyl)phthalate (DEHP)	6	0.02	--	--	--	--	--	--	--	--	--	--	--	18 J

Table 2.4. Summary of detections in AOC 1 groundwater samples. Shaded values indicate exceedance of the Florida Groundwater Cleanup Target Levels (GCTLs) or Marine Surface Water Cleanup Target Levels (SWCTLs).

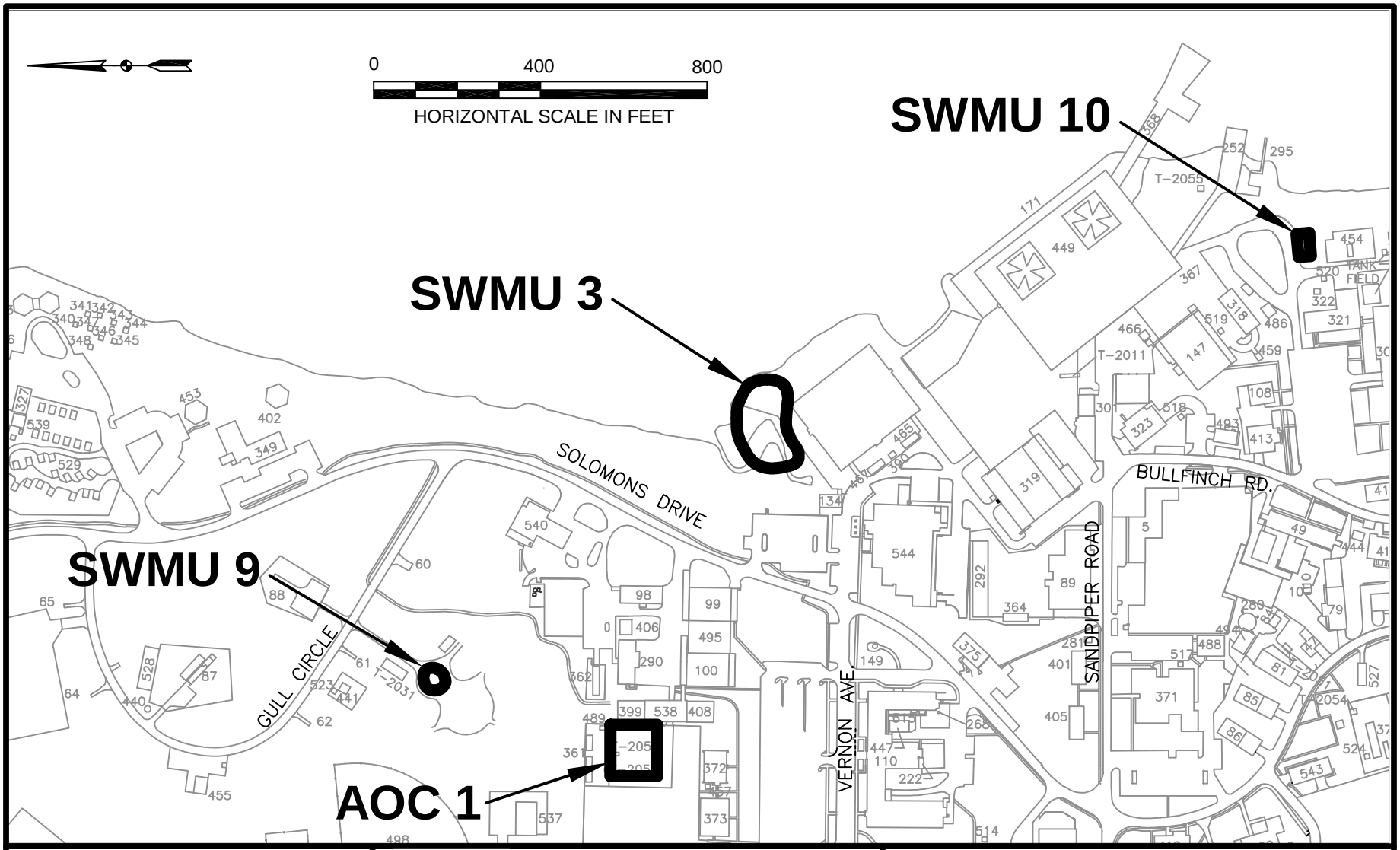
AOC 1 Wells PCY-13-

Sample Location	Florida Limit*** GCTL	Florida Limit*** SWCTL	14 I	15 I	15S	16D	16 I	16S	17D	17 I	17S	18D	18 I	18S
Sample Date			5/16/03	5/16/03	5/16/03	5/19/03	5/19/03	5/19/03	5/20/03	5/20/03	5/19/03	5/20/03	5/20/03	5/20/03
SVOCs (ug/L)														
Fluorene	280	30	--	0.42	--	--	--	--	0.2	0.57	0.3	--	--	--
Naphthalene	20	26	0.88J	--	--	--	--	--	--	0.14J	--	3.1	2.8	--
Phenanthrene	210	0.031**	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	10	6.5	--	--	--	--	--	--	--	--	--	--	--	--
Geochemical Parameters														
Arsenic (ug/L)	50*	50**	--	5.6	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)			0.41	0.45	0.66	1.09	2.9	2.61	0.44	0.35	0.45	1.1	1.42	4.35
Ethane (ug/L)			--	--	--	--	--	--	--	--	--	--	--	--
Ethene (ug/L)			--	--	--	--	--	--	--	--	--	--	--	--
Manganese	50*	NA	4.2	10.6	1.5	11.9	8.0J	7.5J	9.4J	16	13.6	6.0J	6.5J	3.3J
Methane (ug/L)			210	400	--	440	160	120	430	380	220	24	--	--
Oxid. Red. Pot., ORP (mV)			-60	-18	79	-124	-67	-65	-69	4	-49	22	2	180
pH (S.U.)			4.81	5.02	6.23	6.35	5.84	5.75	5.67	5.18	6.09	4.44	4.65	5.71
Total Organic Carbon (mg/L)			6.8	4.3	4.9	3	2	18	4.2	4.6	8.9	3.4	3.5	3.5
Turbidity (NTU)			55	11	1.4	4.2	-0.1	4.3	11	34	6.9	-3.6	3.2	9

Notes: J = estimated value below the sample limit of quantification
NA = not available or not applicable
NS = not sampled due to presence of free product
Well PCY-13-7S abandoned due to blockage by tree roots
* = Florida Primary MCL, FAC 62-550 (or Secondary Std. for ethylbenzene, toluene, xylenes, Mn)
** = Class II of Florida Surface Water Quality Rule, FAC 62-302.530
*** = Table I of Florida Contaminant Cleanup Target Levels, FAC 62-777
Targets for 3-Methylphenol are 35 ug/L (GW) and 445 ug/L (SW).
-- = not detected

Appendix B

Figures



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CMS Addendum
NSA Panama City

Figure 1.1
SWMU and AOC Locations
As of May, 2003

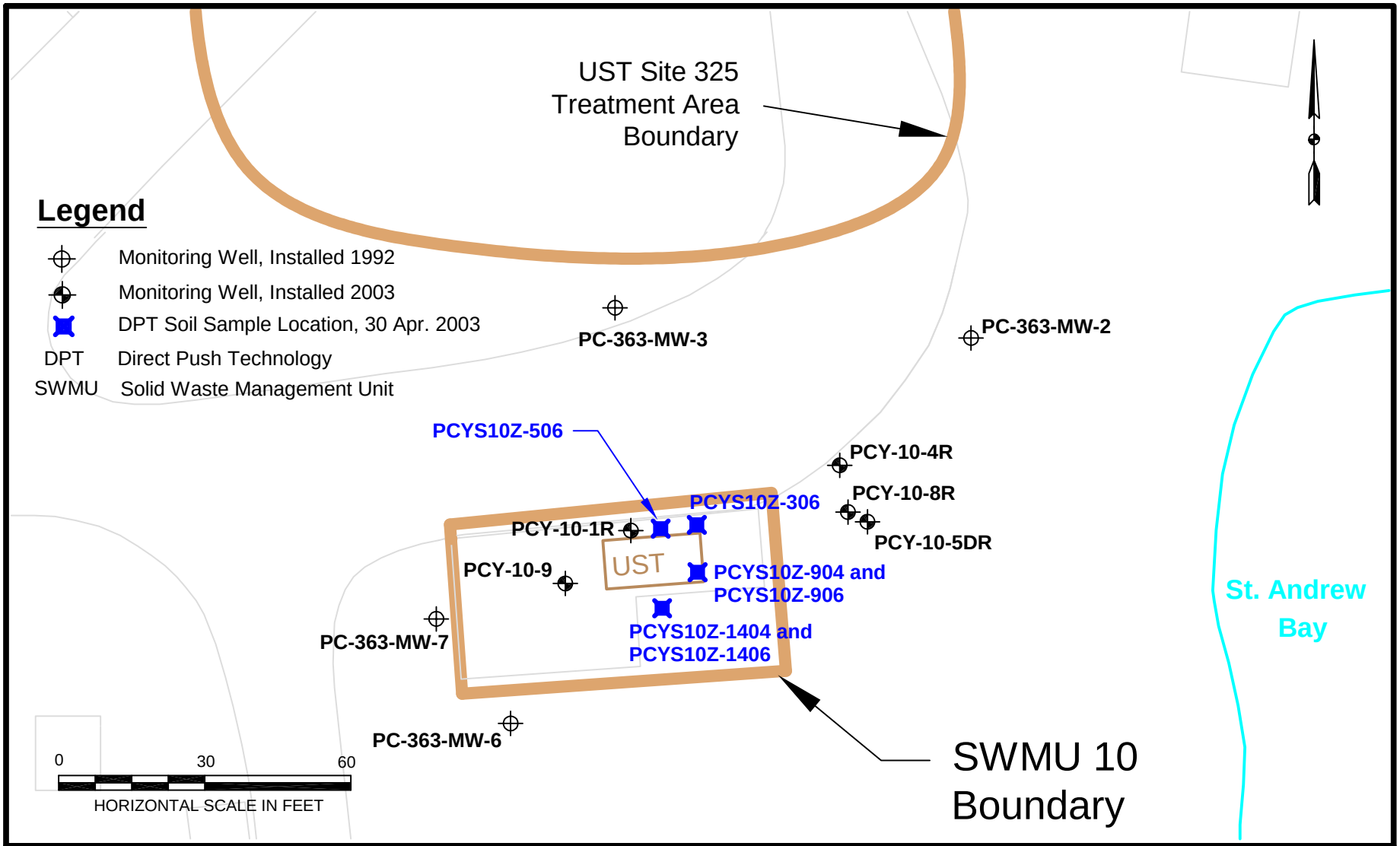

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Figure 2.1
SWMU 10
Monitoring Well and Soil Sample Locations, 2003

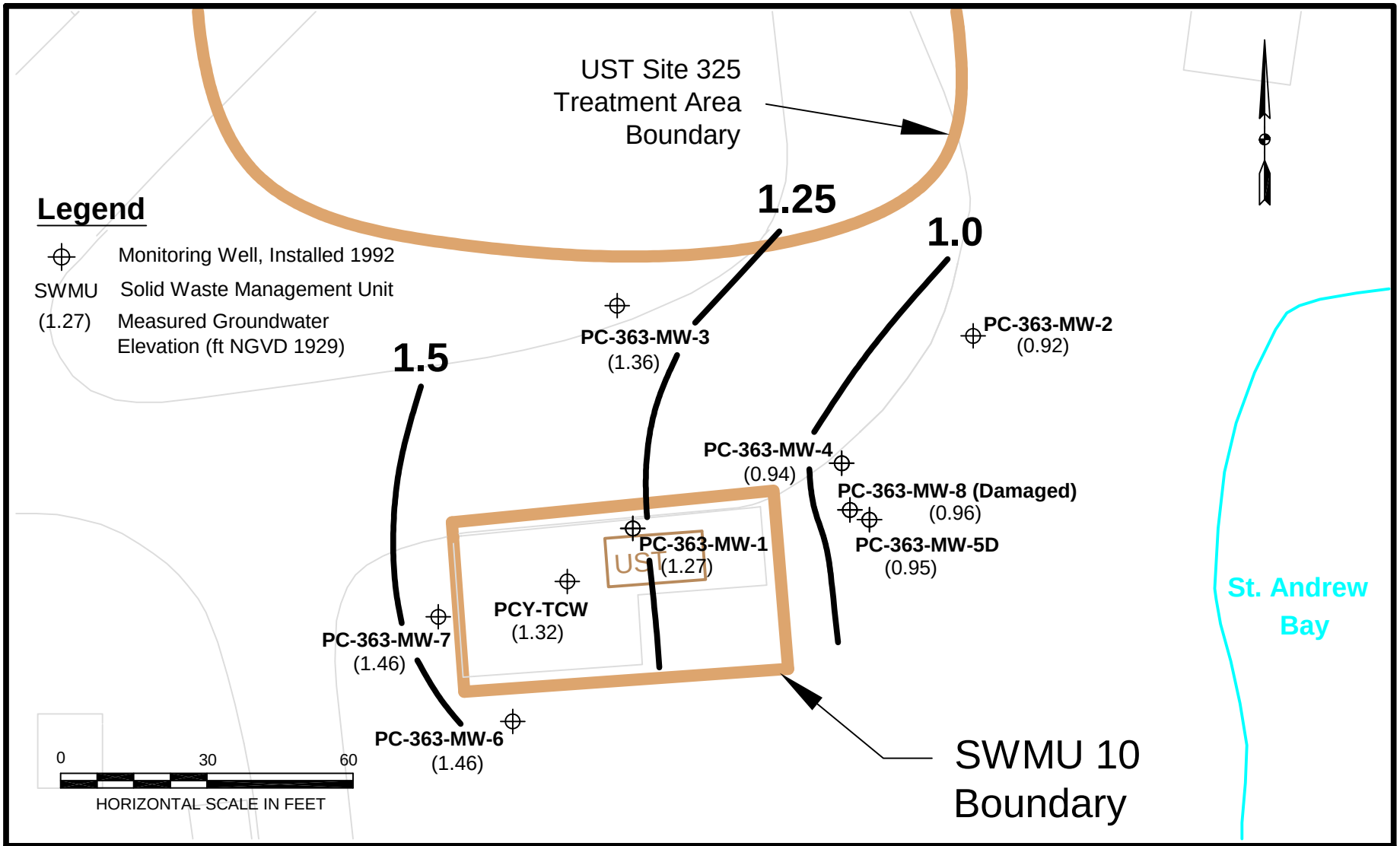

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Figure 2.2
SWMU 10
Water Table Contours from Shallow Wells
May 22, 2002

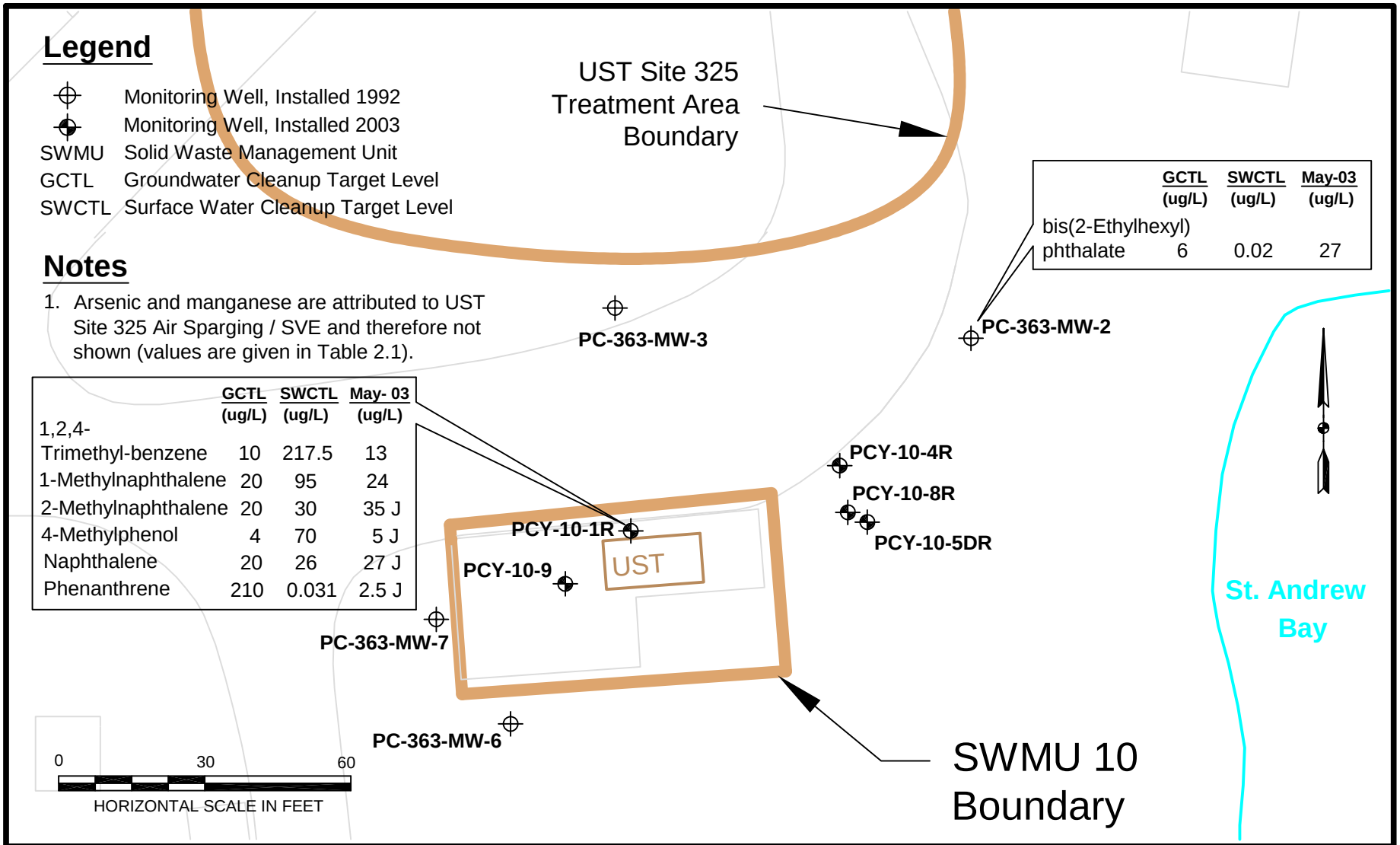

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Figure 2.3
SWMU 10 Monitoring Wells
Groundwater Exceedences
May 13, 2003

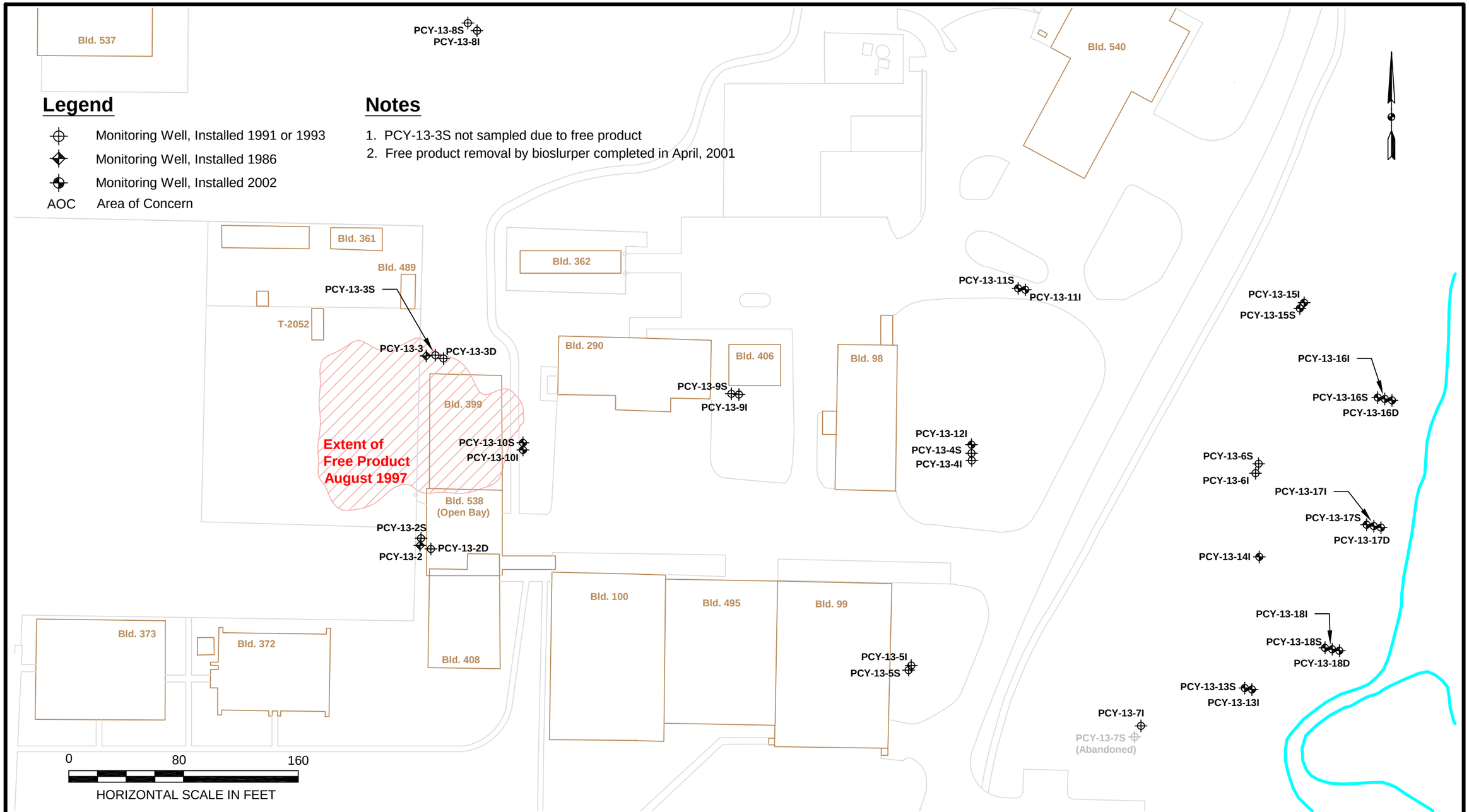

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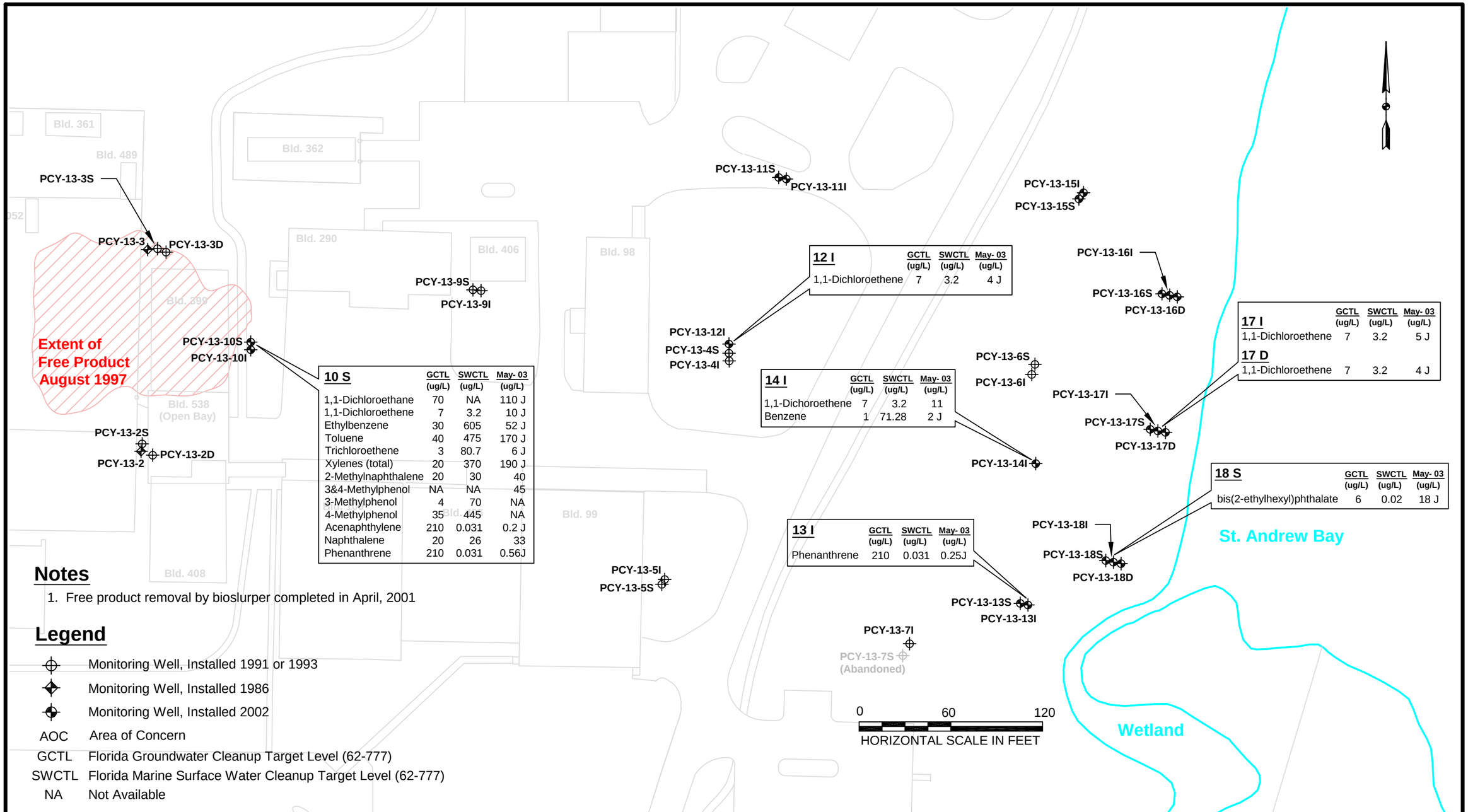
Figure 2.4
AOC 1
Monitoring Well Locations for Sampling in May, 2003



10 S	GCTL (ug/L)	SWCTL (ug/L)	May- 03 (ug/L)
1,1-Dichloroethane	70	NA	110 J
1,1-Dichloroethene	7	3.2	10 J
Ethylbenzene	30	605	52 J
Toluene	40	475	170 J
Trichloroethene	3	80.7	6 J
Xylenes (total)	20	370	190 J
2-Methylnaphthalene	20	30	40
3&4-Methylphenol	NA	NA	45
3-Methylphenol	4	70	NA
4-Methylphenol	35	445	NA
Acenaphthylene	210	0.031	0.2 J
Naphthalene	20	26	33
Phenanthrene	210	0.031	0.56J

12 I	GCTL (ug/L)	SWCTL (ug/L)	May- 03 (ug/L)
1,1-Dichloroethene	7	3.2	4 J

14 I	GCTL (ug/L)	SWCTL (ug/L)	May- 03 (ug/L)
1,1-Dichoroethene	7	3.2	11
Benzene	1	71.28	2 J

17 I	GCTL (ug/L)	SWCTL (ug/L)	May- 03 (ug/L)
1,1-Dichloroethene	7	3.2	5 J
17 D			
1,1-Dichloroethene	7	3.2	4 J

18 S	GCTL (ug/L)	SWCTL (ug/L)	May- 03 (ug/L)
bis(2-ethylhexyl)phthalate	6	0.02	18 J

13 I	GCTL (ug/L)	SWCTL (ug/L)	May- 03 (ug/L)
Phenanthrene	210	0.031	0.25J

Notes

1. Free product removal by bioslurper completed in April, 2001

Legend

- Monitoring Well, Installed 1991 or 1993
- Monitoring Well, Installed 1986
- Monitoring Well, Installed 2002
- AOC — Area of Concern
- GCTL — Florida Groundwater Cleanup Target Level (62-777)
- SWCTL — Florida Marine Surface Water Cleanup Target Level (62-777)
- NA — Not Available

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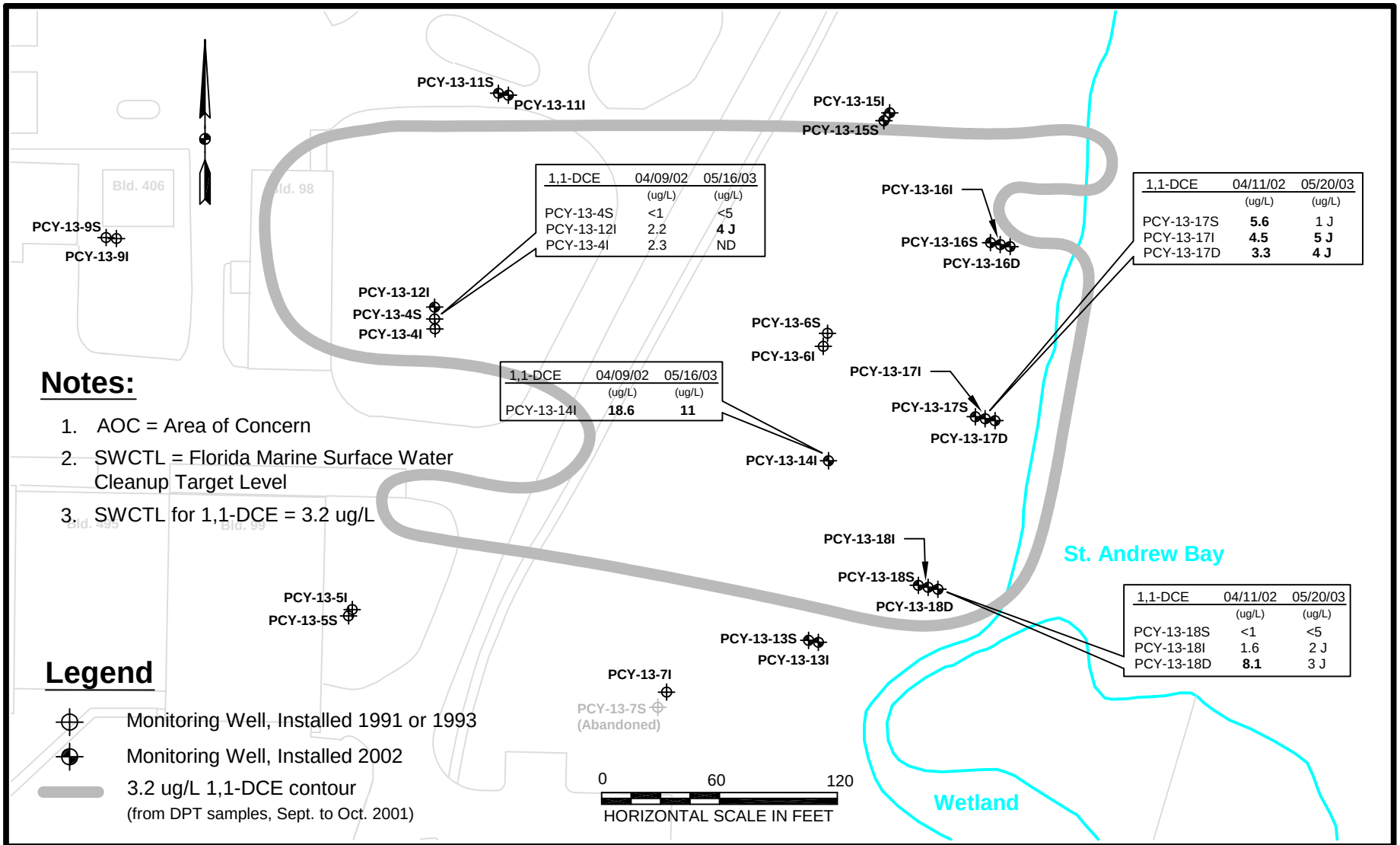
Figure 2.5
AOC 1 Monitoring Wells
Groundwater Exceedences May, 2003



1,1-DCE	04/09/02 (ug/L)	05/16/03 (ug/L)
PCY-13-4S	<1	<5
PCY-13-12I	2.2	**4 J**
PCY-13-4I	2.3	ND

1,1-DCE	04/11/02 (ug/L)	05/20/03 (ug/L)
PCY-13-17S	**5.6**	1 J
PCY-13-17I	**4.5**	**5 J**
PCY-13-17D	**3.3**	**4 J**

1,1-DCE	04/09/02 (ug/L)	05/16/03 (ug/L)
PCY-13-14I	**18.6**	**11**

1,1-DCE	04/11/02 (ug/L)	05/20/03 (ug/L)
PCY-13-18S	<1	<5
PCY-13-18I	1.6	2 J
PCY-13-18D	**8.1**	3 J

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Figure 4.1
AOC 1 Exceedences of 1,1-DCE
October 2001, April 2002, and May 2003

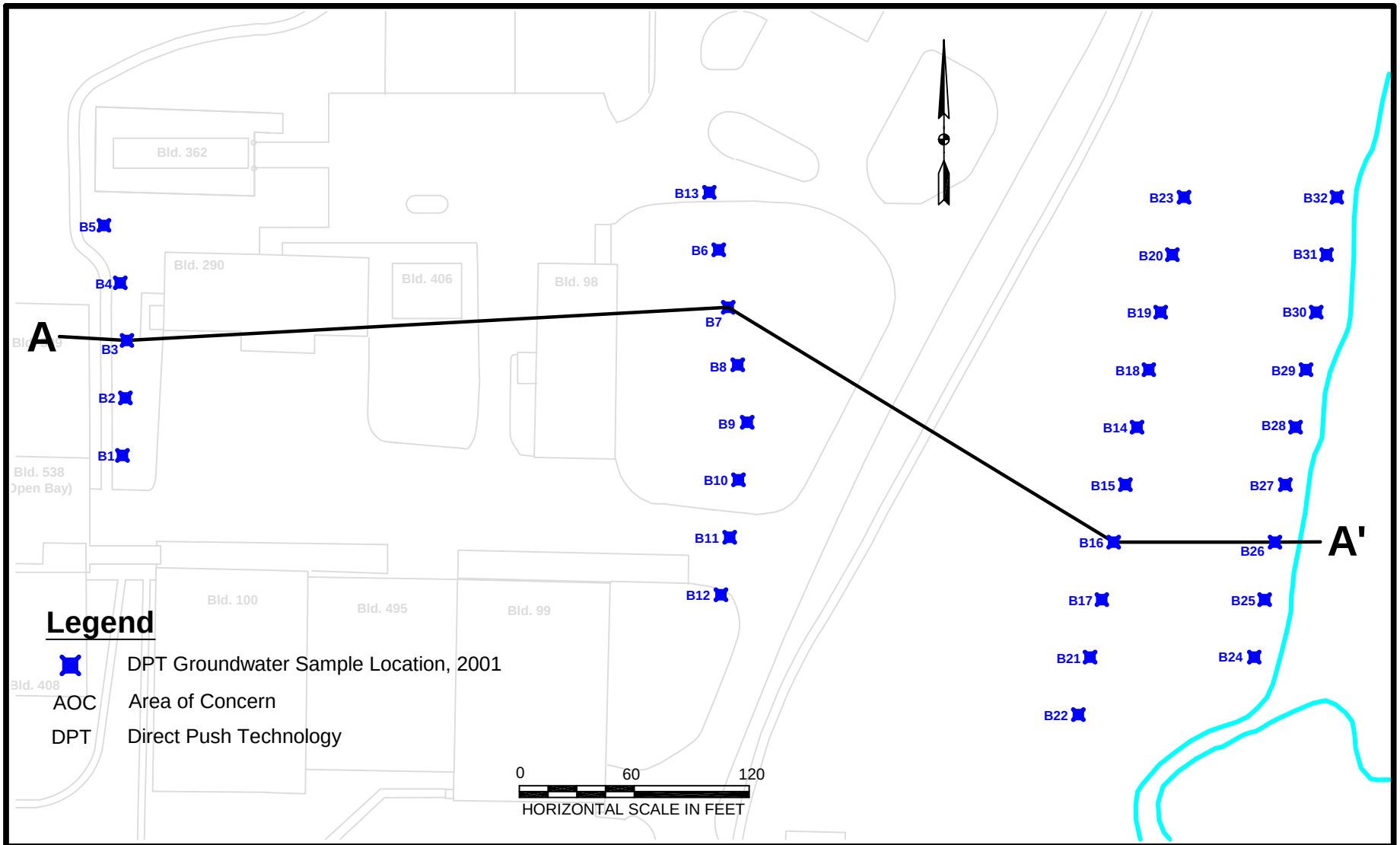

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Figure 4.2
AOC 1
Location of DPT Cross Section, Oct. 2001

Notes:

1. AOC = Area of Concern
2. DPT = Direct Push Technology
3. Free product removal by bioslurper completed in April, 2001

Legend

6.3 DPT Sample Interval, with 1,1-DCE concentration in ug/L

Contour of 1,1-DCE exceeding the Surface Water Cleanup Target Level (SWCTL) of 3.2 ug/L in October, 2001

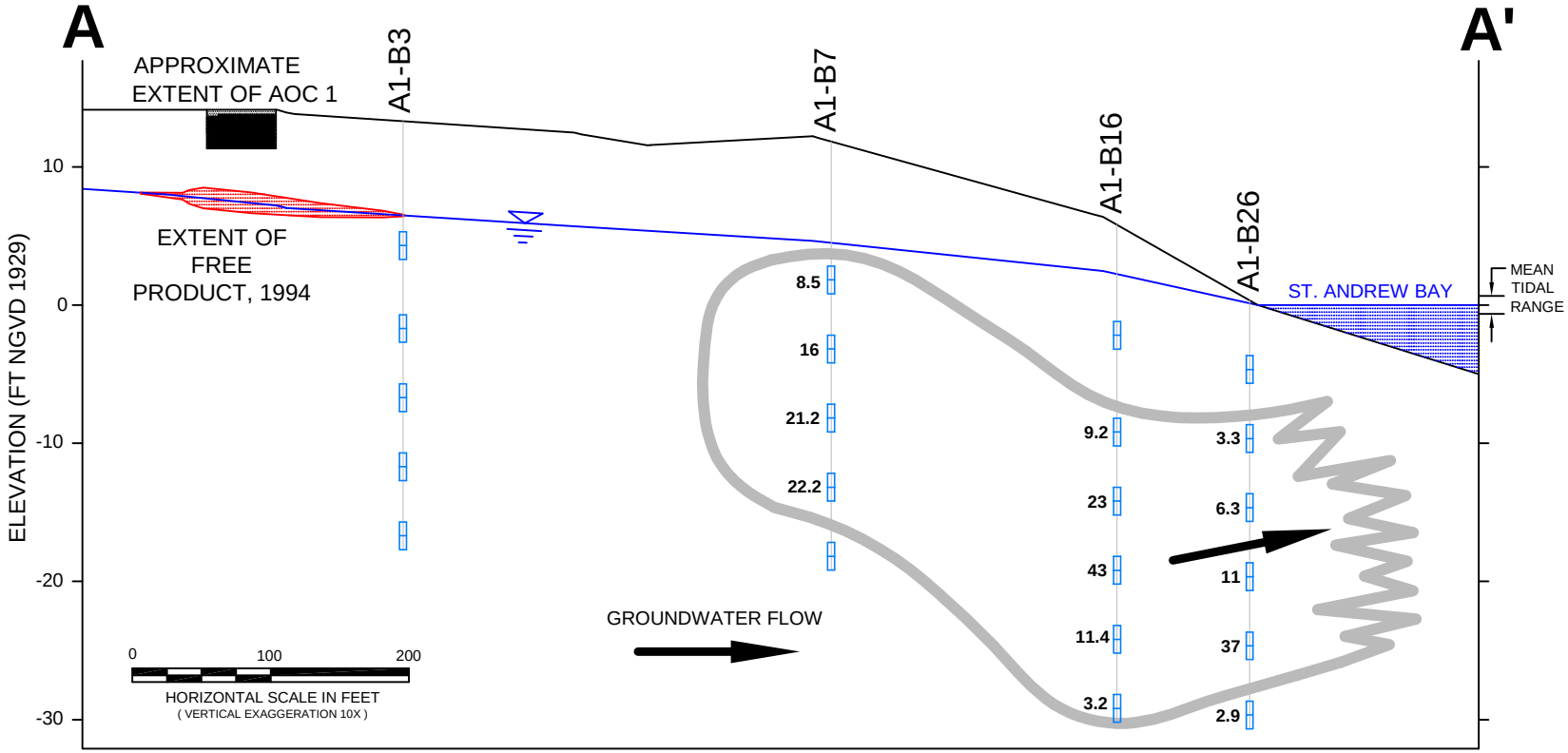

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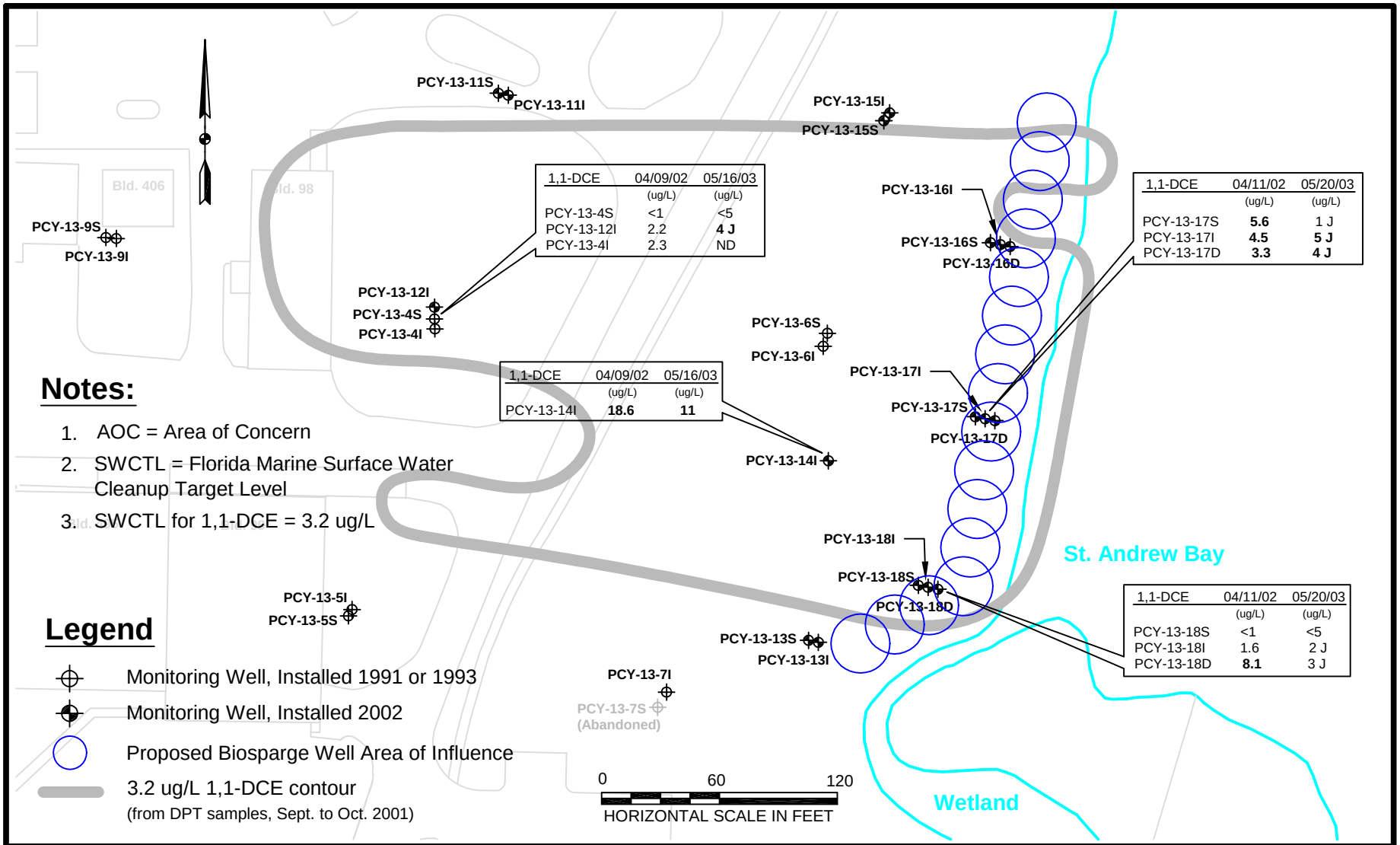
Figure 4.3
AOC 1 DPT Investigation
1,1-DCE Groundwater Detections
Sept. 28 to Oct. 13, 2001



1,1-DCE	04/09/02 (ug/L)	05/16/03 (ug/L)
PCY-13-4S	<1	<5
PCY-13-12I	2.2	**4 J**
PCY-13-4I	2.3	ND

1,1-DCE	04/11/02 (ug/L)	05/20/03 (ug/L)
PCY-13-17S	**5.6**	1 J
PCY-13-17I	**4.5**	**5 J**
PCY-13-17D	**3.3**	**4 J**

1,1-DCE	04/09/02 (ug/L)	05/16/03 (ug/L)
PCY-13-14I	**18.6**	**11**

1,1-DCE	04/11/02 (ug/L)	05/20/03 (ug/L)
PCY-13-18S	<1	<5
PCY-13-18I	1.6	2 J
PCY-13-18D	**8.1**	3 J

Notes:

1. AOC = Area of Concern
2. SWCTL = Florida Marine Surface Water Cleanup Target Level
3. SWCTL for 1,1-DCE = 3.2 ug/L

Legend

- Monitoring Well, Installed 1991 or 1993
- Monitoring Well, Installed 2002
- Proposed Biosparge Well Area of Influence
- 3.2 ug/L 1,1-DCE contour (from DPT samples, Sept. to Oct. 2001)

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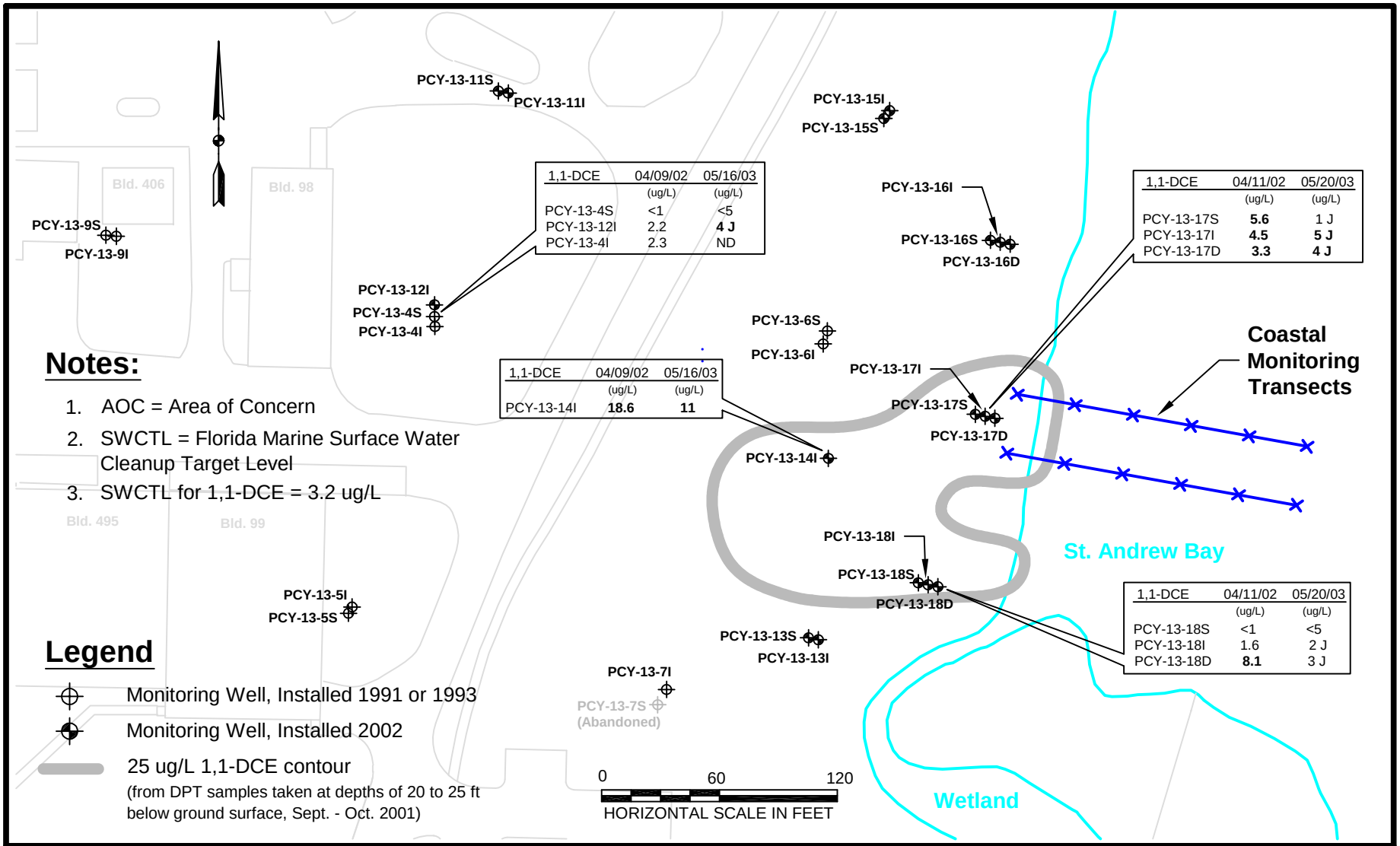
Figure 6.1

AOC 1 Exceedences of 1,1-DCE and Proposed Location of Biosparge Wells For Alternative 1-3



1,1-DCE	04/09/02 (ug/L)	05/16/03 (ug/L)
PCY-13-4S	<1	<5
PCY-13-12I	2.2	**4 J**
PCY-13-4I	2.3	ND

1,1-DCE	04/09/02 (ug/L)	05/16/03 (ug/L)
PCY-13-14I	**18.6**	**11**

1,1-DCE	04/11/02 (ug/L)	05/20/03 (ug/L)
PCY-13-17S	**5.6**	1 J
PCY-13-17I	**4.5**	**5 J**
PCY-13-17D	**3.3**	**4 J**

1,1-DCE	04/11/02 (ug/L)	05/20/03 (ug/L)
PCY-13-18S	<1	<5
PCY-13-18I	1.6	2 J
PCY-13-18D	**8.1**	3 J

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Figure 6.2
AOC 1 Exceedences of 1,1-DCE and Proposed Locations for Alternative 1-4 Coastal Contamination Migration Monitoring

Appendix C

Cost Estimates

CSS Panama City
SWMU 10 MNA Cost Report for 3 Wells

Site:

Name: CSS Panama City, SWMU 10
Location: PANAMA CITY, FLORIDA
Modifiers:

Material	0.9745	(Modified)
Labor	0.6679	(Modified)
Equipment	0.933	(Modified)

Description:
Monitored Natural Attenuation with 3 wells sampled over 5 years

Name: MNA Remedy-3 wells
Type: Remedial Action
Labor Rate Group: System Labor Rate
Analysis Rate Group: System Analysis Rate
Markup Template: System Defaults

Media/Waste Type: Groundwater
Secondary Media/Waste Type: N/A
Contaminant: Volatile Organic Compounds (VOCs)
Secondary Contaminant: None
O&M Markup Template: N/A

Present Worth Summary:

Technology Name	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
Professional Labor Management	$12,466					
General Monitoring		$40,923	$10,231	$10,231	$10,231	$10,231
Groundwater specific		$9,582	$2,395	$2,395	$2,395	$2,395
Sub-Total	$12,466	$50,505	$12,626	$12,626	$12,626	$12,626
Escalation Factor	1.0286	1.0509	1.074	1.0976	1.1218	1.1465
Discount Factor @ 7%	1.000	0.935	0.873	0.816	0.763	0.713
Total	$12,823	$49,626	$11,838	$11,308	$10,807	$10,321

Present Worth for 5 year operation:	$106,723

CSS Panama City
SWMU 10 MNA Cost Report for 3 Wells

Technology: Professional Labor Management

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33220138	Project Management Labor Cost	1.00	LS	0.00	1,047.09	0.00	$1,047.09	
33220139	Planning Documents Labor Cost	1.00	LS	0.00	837.67	0.00	$837.67	
33220140	Construction Oversight Labor Cost	1.00	LS	0.00	680.61	0.00	$680.61	
33220141	Reporting Labor Cost	1.00	LS	0.00	157.06	0.00	$157.06	
33220142	As-Built Drawings Labor Cost	1.00	LS	0.00	157.06	0.00	$157.06	
33220143	Public Notice Labor Cost	1.00	LS	0.00	52.35	0.00	$52.35	
33220144	Site Closure Activities Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	
33220145	Permitting Labor Cost	1.00	LS	0.00	1,047.09	0.00	$1,047.09	
33220146	Responsible Party Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	
33220147	Reimbursement Claims Preparation Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	
33220148	Other Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	

Total Technology Cost	**$3,978.95**
Cost Markups:	**$8,487**
Total Professional Labor Management Cost	**$12,466**

CSS Panama City
SWMU 10 MNA Cost Report for 3 Wells

Technology: Natural Attenuation (12 - months only)

Element: Groundwater

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33020401	Disposable Materials per Sample	14.00	EA	7.48	0.00	0.00	$104.65	
33020402	Decontamination Materials per Sample	14.00	EA	6.72	0.00	0.00	$94.14	
33021509	Water Quality Parameter Testing Device	1.00	WK	213.42	0.00	0.00	$213.42	
33021602	pH (EPA 150.1), Water Analysis	14.00	EA	7.31	0.00	0.00	$102.32	
33021603	Total Dissolved Solids (EPA 160.1), Water Analysis	14.00	EA	11.35	0.00	0.00	$158.94	
33021608	Nitrogen/Nitrite/Nitrate (EPA 300.0/SM 4110B, Water Analysis	14.00	EA	30.41	0.00	0.00	$425.81	
33021618	Volatile Organic Analysis (EPA 624), Water Analysis	14.00	EA	188.62	0.00	0.00	$2,640.66	
33021653	Chloride (EPA 300), Water Analysis	14.00	EA	15.79	0.00	0.00	$221.02	
33021663	Dissolved Oxygen (EPA 360.1), Water Analysis	14.00	EA	23.83	0.00	0.00	$333.68	
33021667	Sulfate (EPA 300.0), Water Analysis	14.00	EA	16.08	0.00	0.00	$225.11	
33021668	Sulfide (EPA 376.1), Water Analysis	14.00	EA	27.29	0.00	0.00	$382.00	

CSS Panama City
SWMU 10 MNA Cost Report for 3 Wells

Element: Groundwater (cont.)

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33021673	Total Organic Carbon, TOC (EPA 415.1/415.2), Water Analysis	14.00	EA	22.90	0.00	0.00	$320.61	
33021678	Ferrous Iron (S.M. 3500 Fe - D)	14.00	EA	79.91	0.00	0.00	$1,118.73	
33021679	Dissolved Iron (II)	14.00	EA	24.97	0.00	0.00	$349.60	
33231186	Well Development Equipment Rental (weekly)	1.00	WK	213.42	0.00	0.00	$213.42	
33232407	Disposable Bailer, Polyethylene, 1.5" Outside Diameter x 36"	12.00	EA	8.72	0.00	0.00	$104.66	
				Total Element Cost			**$7,008.76**	

Element: General

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33010104	Car or Van Mileage Charge	920.00	MI	0.33	0.00	0.00	$302.86	
33010202	Per Diem (per person)	8.00	DAY	112.00	0.00	0.00	$896.00	
33020577	pH/ORP/Temperature Meter - Daily Rental	4.00	DAY	39.95	0.00	0.00	$159.82	
33220102	Project Manager	16.00	HR	0.00	31.24	0.00	$499.92	
33220105	Project Engineer	80.00	HR	0.00	23.13	0.00	$1,850.57	
33220108	Project Scientist	209.00	HR	0.00	18.81	0.00	$3,930.68	

CSS Panama City
SWMU 10 MNA Cost Report for 3 Wells

Element: General

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33220109	Staff Scientist	240.00	HR	0.00	17.95	0.00	$4,308.43	
33220112	Field Technician	64.00	HR	0.00	12.55	0.00	$803.30	
33220114	Word Processing/Clerical	64.00	HR	0.00	10.40	0.00	$665.68	
33220115	Draftsman/CADD	32.00	HR	0.00	16.12	0.00	$515.81	

Total Element Cost	**$13,933.08**
Total Technology Cost	**$20,941.84**
Cost Markups	**$29,563**
Total MNA Cost (1st year)	**$50,505**

CSS Panama City
AOC 1 Biosparging Cost Report

Site:

Name: CSS Panama City, AOC 1
Location: PANAMA CITY, FLORIDA
Modifiers: **Material** 0.9745 (Modified)
Labor 0.6679 (Modified)
Equipment 0.933 (Modified)

Description:

Biosparging along St. Andrew Bay with 5 year O&M including 1 year of quarterly groundwater monitoring and 4 years of annual monitoring for 8 wells.

Media/Waste Type: Groundwater
Type: Remedial Action
Labor Rate Group: System Labor Rate
Analysis Rate Group: System Analysis Rate
Markup Template: System Defaults

Secondary Media/Waste Type: N/A
Contaminant: Volatile Organic Compounds (VOCs)
Secondary Contaminant: None
O&M Markup Template: System Defaults

Present Worth Cost Summary:

Technology Name	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
Air Sparging	$75,996					
Decontamination Facilities	$23,725					
O&M Startup Costs	$2,042					
Professional Labor Management	$103,214					
Groundwater Monitoring		$12,718	$3,180	$3,180	$3,180	$3,180
General Monitoring		$22,328	$5,582	$5,582	$5,582	$5,582
Miscellaneous Support Costs O&M		$5,273	$6,926	$5,273	$6,926	$11,887
Air Sparging O&M		$11,911	$11,911	$11,911	$11,911	$11,911

Sub-Total	$204,977	$52,230	$27,599	$25,946	$27,599	$32,560
Escalation Factor	1.0286	1.0509	1.074	1.0976	1.1218	1.1465
Discount Factor @ 7%	1.000	0.935	0.873	0.816	0.763	0.713
Total	$210,839	$51,321	$25,877	$23,238	$23,623	$26,616

Present Worth Total for 10 years O&M:	$361,515

Capital Cost Summary:

Technology	Direct Cost	Markups	Total Cost
Air Sparging	$53,737	$22,259	$75,996
Decontamination Facilities	$16,894	$6,831	$23,725
O&M Startup Costs	$1,420	$622	$2,042
Professional Labor Management	$34,188	$69,026	$103,214
Total Capital Cost	**$142,074**	**$132,996**	**$275,070**

Markups Summary:

Technology	Direct Cost	General Conditions	Overhead	Sub Profit	Prime Markup on Sub	Prime Profit	Risk	Owner Cost	Markup Total	Total
Air Sparging	$53,737								$22,259	$75,996
(100% Prime)		$4,564	$8,406	$0	$0	$5,670	$0	$3,619		
Decontamination Facilities	$16,894								$6,831	$23,725
(100% Prime)		$1,423	$2,508	$0	$0	$1,770	$0	$1,130		
O&M Startup Costs	$1,420								$622	$2,042
(100% Prime)		$134	$239	$0	$0	$152	$0	$97		
Professional Labor Management	$34,188								$69,026	$103,214
(100% Prime)		$1,709	$54,701	$0	$0	$7,701	$0	$4,915		

CSS Panama City
AOC 1 Biosparging Cost Report

Technology: Air Sparging

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33010101	Mobilize/DeMobilize Drilling Rig & Crew	1.00	LS	0.00	521.94	1,859.43	$2,381.37	
33020303	Organic Vapor Analyzer Rental, per Day	8.00	DAY	105.45	0.00	0.00	$843.64	
33021720	Volatile Organic Analysis (SW 5035/SW 8260B), Soil Analysis	32.00	EA	188.62	0.00	0.00	$6,035.79	
33132377	Equipment Enclosure, 8' x 15', Portable Building/Shed; lined, insulated, skid mounted, w/exhaust fan	1.00	EA	2,287.35	0.00	0.00	$2,287.35	
33139005	Air Sparge System, Blower 98 SCFM, 3.2 HP, 5 PSI, base, intake filter, silencer, pulleys, belt, belt guard.	1.00	EA	7,808.00	0.00	0.00	$7,808.00	
33170808	Decontaminate Rig, Augers, Screen (Rental Equipment)	8.00	DAY	101.45	0.00	0.00	$811.56	
33220112	Field Technician	128.00	HR	0.00	12.55	0.00	$1,606.60	
33230101	2" PVC, Schedule 40, Well Casing	528.00	LF	1.04	1.74	6.20	$4,738.64	
33230201	2" PVC, Schedule 40, Well Screen	32.00	LF	2.39	2.24	8.00	$404.27	
33230301	2" PVC, Well Plug	16.00	EA	5.04	2.61	9.30	$271.19	

CSS Panama City
AOC 1 Biosparging Cost Report

Technology: Air Sparging (cont.)

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cos Override
33231101	Hollow Stem Auger, 8" Dia Borehole, Depth <= 100 ft	576.00	LF	0.00	4.77	17.00	$12,538.08	
33231173	Split Spoon Sampling	128.00	LF	0.00	7.46	26.56	$4,354.51	
33231182	Furnish 55 Gallon Drum for Drill Cuttings & Development Water	30.00	EA	70.65	0.00	0.00	$2,119.54	
33231401	2" Screen, Filter Pack	64.00	LF	2.69	1.48	5.27	$604.01	
33231811	2" Well, Portland Cement Grout	480.00	LF	1.00	0.00	0.00	$480.96	
33232101	2" Well, Bentonite Seal	16.00	EA	8.00	5.87	20.92	$556.58	
33260428	2" PVC, Schedule 80, Connection Piping	360.00	LF	0.77	1.91	0.00	$964.33	
33260460	4" PVC, Schedule 80, Manifold Piping	240.00	LF	2.29	4.12	0.00	$1,538.47	
33270124	2" PVC, Schedule 80, Tee	16.00	EA	11.01	0.00	0.00	$176.21	
33270134	2" PVC, Schedule 80, 90 Degree, Elbow	16.00	EA	2.99	0.00	0.00	$47.92	
33270167	4" x 2" Reducer, PVC Schedule 80	16.00	EA	32.27	0.00	0.00	$516.31	
33270440	2" PVC, Sch 80, Ball Valve	16.00	EA	76.99	0.00	0.00	$1,231.88	
33310209	Pressure Gauge	16.00	EA	60.77	27.95	0.00	$1,419.53	
			Total Technology Cost				**$53,736.75**	

CSS Panama City
AOC 1 Biosparging Cost Report

Technology: Decontamination Facilities

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
17030109	Pad Subgrade Preparation	35.56	CY	0.00	1.15	2.18	$118.24	
17030257	Cat 215, 1.0 CY, Soil, Shallow, Trenching	1.78	CY	0.00	0.36	0.64	$1.78	
17030501	Compact Subgrade, 2 Lifts	35.56	CY	0.00	0.12	0.24	$12.59	
17030510	Dry Roll Gravel, Steel Roller	106.67	SY	0.00	0.31	0.25	$59.46	
18010102	Gravel, Delivered & Dumped	14.81	CY	18.96	1.34	1.37	$320.78	
18010103	Gravel (90%) & Sand Base (10%), with Calcium Chloride 3/4 - 1 Lb/CY	14.81	CY	18.91	1.49	1.43	$323.31	
18010203	Asphalt Curb 8" W x 6" H	120.00	LF	1.34	1.53	3.00	$703.82	
18010310	Prime Coat	88.89	SY	0.30	0.02	0.03	$30.84	
18010312	Asphalt Wearing Course, 1 Pass (Line Item Includes 5% Waste)	19.33	TON	29.35	10.81	12.44	$1,016.82	
18020203	26" x 26", 5' Deep Area Drain with Grate	1.00	EA	1,468.72	682.98	20.12	$2,171.81	
19020313	5' x 5' x 5' Reinforced Concrete Sump	1.00	EA	1,411.24	966.16	70.95	$2,448.35	
19020604	12" x 12" CIP Concrete In-Ground Trench Drain with Metal Grate	20.00	LF	37.48	31.38	0.51	$1,387.33	

CSS Panama City
AOC 1 Biosparging Cost Report

Technology: Decontamination Facilities (cont.)

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cos Override
19040604	1,500 Gallon Steel Sump, Aboveground with Supports & Fittings	1.00	EA	1,557.39	511.51	0.00	$2,068.90	
33080503	Polymeric Liner Anchor Trench, 3' x 1.5'	144.00	LF	0.05	0.39	0.16	$85.94	
33080532	8 oz/sy Erosion Control/Drainage Filter Fabric (80 Mil)	106.67	SY	0.65	0.31	0.02	$105.61	
33080571	40 Mil Polymeric Liner, High-density Polyethylene	960.00	SF	0.26	0.67	0.16	$1,045.73	
33170818	1,800 PSI Pressure Washer Rental	1.00	MO	1,023.23	0.00	0.00	$1,023.23	
33170823	Operation of Pressure Washer, Including Water, Soap, Electricity, Labor	20.00	HR	6.09	24.28	0.00	$607.46	
33231306	High Sump Level Switch for Avoiding Overflow	1.00	EA	199.77	101.64	0.00	$301.41	
33260623	(2 1/2", 4") PVC Double-wall Piping, with Fittings	30.00	LF	15.19	13.33	0.00	$855.45	
33290401	25 GPM, 1 1/2" Discharge, Cast-iron Sump Pump	1.00	EA	1,970.31	235.29	0.00	$2,205.60	
				Total Technology Cost			**$16,894.46**	

CSS Panama City
AOC 1 Biosparging Cost Report

Technology: O&M Startup Costs

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cos Override
33240101	Other Direct Costs	1.00	LS	568.18	568.18	284.09	$1,420.44	
				Total Technology Cost			**$1,420.44**	

Technology: Professional Labor Management

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cos Override
33220138	Project Management Labor Cost	1.00	LS	0.00	8,996.86	0.00	$8,996.86	
33220139	Planning Documents Labor Cost	1.00	LS	0.00	7,197.49	0.00	$7,197.49	
33220140	Construction Oversight Labor Cost	1.00	LS	0.00	5,847.96	0.00	$5,847.96	
33220141	Reporting Labor Cost	1.00	LS	0.00	1,349.53	0.00	$1,349.53	
33220142	As-Built Drawings Labor Cost	1.00	LS	0.00	1,349.53	0.00	$1,349.53	
33220143	Public Notice Labor Cost	1.00	LS	0.00	449.84	0.00	$449.84	
33220144	Site Closure Activities Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	
33220145	Permitting Labor Cost	1.00	LS	0.00	8,996.86	0.00	$8,996.86	
33220146	Responsible Party Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	
33220147	Reimbursement Claims Preparation Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	
33220148	Other Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	
				Total Technology Cost			**$34,188.08**	

CSS Panama City
AOC 1 Biosparging Cost Report

Technology: Monitoring (12 - months only)

Element: Groundwater

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cos Override
33020401	Disposable Materials per Sample	36.00	EA	7.48	0.00	0.00	$269.10	
33020402	Decontamination Materials per Sample	36.00	EA	6.72	0.00	0.00	$242.07	
33020561	Nylon Tubing, 1/4" Outside Diameter	1,145.00	LF	0.39	0.00	0.00	$446.32	
33021509	Water Quality Parameter Testing Device	1.00	WK	213.42	0.00	0.00	$213.42	
33022131	Purgeable Halocarbons (SW 5030B/SW 8021B Halocarbons), Water Analysis	36.00	EA	125.18	0.00	0.00	$4,506.39	
33022132	Purgeable Aromatics (SW 5030B/SW 8021B Aromatics), Water Analysis	36.00	EA	99.46	0.00	0.00	$3,580.45	
33230509	4" Submersible Pump Rental, Day	4.00	DAY	69.70	0.00	0.00	$278.78	
33231186	Well Development Equipment Rental (weekly)	1.00	WK	213.42	0.00	0.00	$213.42	
				Total Element Cost			**$9,749.95**	

CSS Panama City
AOC 1 Biosparging Cost Report

Element: General Monitoring

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cos Override
33010104	Car or Van Mileage Charge	920.00	MI	0.33	0.00	0.00	$302.86	
33010202	Per Diem (per person)	8.00	DAY	112.00	0.00	0.00	$896.00	
33220102	Project Manager	4.00	HR	0.00	31.24	0.00	$124.98	
33220105	Project Engineer	30.00	HR	0.00	23.13	0.00	$693.96	
33220108	Project Scientist	157.00	HR	0.00	18.81	0.00	$2,952.71	
33220109	Staff Scientist	80.00	HR	0.00	17.95	0.00	$1,436.14	
33220112	Field Technician	82.00	HR	0.00	12.55	0.00	$1,029.23	
33220114	Word Processing/Clerical	30.00	HR	0.00	10.40	0.00	$312.04	
33220115	Draftsman/CADD	26.00	HR	0.00	16.12	0.00	$419.10	
			Total Element Cost				**$8,167.03**	
			Total Technology Cost				**$17,916.98**	

CSS Panama City
AOC 1 Biosparging Cost Report

Technology: Operations and Maintenance (12 - months only)

Element: Miscellaneous

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cos Override
33010202	Per Diem (per person)	8.00	DAY	112.00	0.00	0.00	$896.00	
33010204	Mobilize Crew, 100 Miles, per Person	4.00	EA	87.45	0.00	0.00	$349.80	
33010423	Disposable Gloves (Latex)	41.00	PAIR	0.20	0.00	0.00	$8.19	
33010425	Disposable Coveralls (Tyvek)	41.00	EA	4.18	0.00	0.00	$171.27	
33190340	Non Haz Drummed Site Waste - Load, Transp, & Landfill Disp (55-Gal Drums)	2.00	EA	192.01	0.00	0.00	$384.01	
33199921	DOT Steel Drum, 55 Gallon	2.00	EA	70.65	0.00	0.00	$141.30	
33220112	Field Technician	32.00	HR	0.00	12.55	0.00	$401.65	
99020110	Annual Maintenance Materials and Labor	1.00	LS	429.89	429.89	214.95	$1,074.74	
				Total Element Cost			**$3,426.97**	

CSS Panama City
AOC 1 Biosparging Cost Report

Element: Air Sparging

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cos Override
33021803	Tentative ID Compunds, GC/MS, Air (30/5041/8260B - TO-14), Air Analysis	20.00	EA	134.48	0.00	0.00	$2,689.62	
33220106	Staff Engineer	28.00	HR	0.00	18.43	0.00	$516.11	
33220112	Field Technician	136.00	HR	0.00	12.55	0.00	$1,707.02	
33420101	Electrical Charge	14,016.00	KWH	0.06	0.00	0.00	$864.79	

Total Element Cost	**$5,777.53**
Total Technology Cost	**$9,204.50**
Runtime Percent Cost Adjustment	**97%**
O & M Total Cost	**$8,928.37**

CSS Panama City
AOC 1 MNA Cost Report for 8 Wells

Site:

Name: CSS Panama City, AOC 1
Location: PANAMA CITY, FLORIDA
Modifiers:

Material	0.9745	(Modified)
Labor	0.6679	(Modified)
Equipment	0.933	(Modified)

Description:
MNA remedy with 8 wells over 5 year period. Quarterly monitoring for 1st year, annual thereafter.

Name: MNA Remedy- 8 wells
Type: Remedial Action
Labor Rate Group: System Labor Rate
Analysis Rate Group: System Analysis Rate
Markup Template: System Defaults

Media/Waste Type: Groundwater
Secondary Media/Waste Type: N/A
Contaminant: Volatile Organic Compounds (VOCs)
Secondary Contaminant: None
O&M Markup Template: N/A

Present Worth Summary:

Technology Name	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
Professional Labor Management	$23,091					
Groundwater		$23,939	$5,985	$5,985	$5,985	$5,985
General		$62,233	$15,558	$15,558	$15,558	$15,558
Sub-Total	$23,091	$86,172	$21,543	$21,543	$21,543	$21,543
Escalation Factor	1.0286	1.0509	1.074	1.0976	1.1218	1.1465
Discount Factor @ 7%	1.000	0.935	0.873	0.816	0.763	0.713
Total	$23,751	$84,672	$20,199	$19,295	$18,439	$17,610

Present Worth for 5 year operation:	$183,967

CSS Panama City
AOC 1 MNA Cost Report for 8 Wells

Technology: Professional Labor Management

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33220138	Project Management Labor Cost	1.00	LS	0.00	1,975.49	0.00	$1,975.49	
33220139	Planning Documents Labor Cost	1.00	LS	0.00	1,580.39	0.00	$1,580.39	
33220140	Construction Oversight Labor Cost	1.00	LS	0.00	1,284.07	0.00	$1,284.07	
33220141	Reporting Labor Cost	1.00	LS	0.00	296.32	0.00	$296.32	
33220142	As-Built Drawings Labor Cost	1.00	LS	0.00	296.32	0.00	$296.32	
33220143	Public Notice Labor Cost	1.00	LS	0.00	98.77	0.00	$98.77	
33220144	Site Closure Activities Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	
33220145	Permitting Labor Cost	1.00	LS	0.00	1,975.49	0.00	$1,975.49	
33220146	Responsible Party Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	
33220147	Reimbursement Claims Preparation Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	
33220148	Other Labor Cost	1.00	LS	0.00	0.00	0.00	$0.00	

Total Technology Cost	**$7,506.86**
Cost Markups	**$15,584**
Total Professional Labor Cost	**$23,091**

CSS Panama City
AOC 1 MNA Cost Report for 8 Wells

Technology: Natural Attenuation (12 - months only)

Element: Groundwater

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33020401	Disposable Materials per Sample	36.00	EA	7.48	0.00	0.00	$269.10	
33020402	Decontamination Materials per Sample	36.00	EA	6.72	0.00	0.00	$242.07	
33020561	Nylon Tubing, 1/4" Outside Diameter	1,145.00	LF	0.39	0.00	0.00	$446.32	
33021509	Water Quality Parameter Testing Device	1.00	WK	213.42	0.00	0.00	$213.42	
33021602	pH (EPA 150.1), Water Analysis	36.00	EA	7.31	0.00	0.00	$263.12	
33021603	Total Dissolved Solids (EPA 160.1), Water Analysis	36.00	EA	11.35	0.00	0.00	$408.70	
33021608	Nitrogen/Nitrite/Nitrate (EPA 300.0/SM 4110B, Water Analysis	36.00	EA	30.41	0.00	0.00	$1,094.93	
33021618	Volatile Organic Analysis (EPA 624), Water Analysis	36.00	EA	188.62	0.00	0.00	$6,790.27	
33021653	Chloride (EPA 300), Water Analysis	36.00	EA	15.79	0.00	0.00	$568.33	
33021663	Dissolved Oxygen (EPA 360.1), Water Analysis	36.00	EA	23.83	0.00	0.00	$858.04	
33021667	Sulfate (EPA 300.0), Water Analysis	36.00	EA	16.08	0.00	0.00	$578.85	

CSS Panama City
AOC 1 MNA Cost Report for 8 Wells

Element: Groundwater

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33021668	Sulfide (EPA 376.1), Water Analysis	36.00	EA	27.29	0.00	0.00	$982.30	
33021673	Total Organic Carbon, TOC (EPA 415.1/415.2), Water Analysis	36.00	EA	22.90	0.00	0.00	$824.43	
33021678	Ferrous Iron (S.M. 3500 Fe - D)	36.00	EA	79.91	0.00	0.00	$2,876.72	
33021679	Dissolved Iron (II)	36.00	EA	24.97	0.00	0.00	$898.98	
33230509	4" Submersible Pump Rental, Day	4.00	DAY	69.70	0.00	0.00	$278.78	
33231186	Well Development Equipment Rental (weekly)	1.00	WK	213.42	0.00	0.00	$213.42	
				Total Element Cost			**$17,807.78**	

Element: General

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33010104	Car or Van Mileage Charge	920.00	MI	0.33	0.00	0.00	$302.86	
33010202	Per Diem (per person)	16.00	DAY	112.00	0.00	0.00	$1,792.00	
33020577	pH/ORP/Temperature Meter - Daily Rental	4.00	DAY	39.95	0.00	0.00	$159.82	
33220102	Project Manager	24.00	HR	0.00	31.24	0.00	$749.87	
33220105	Project Engineer	120.00	HR	0.00	23.13	0.00	$2,775.85	

CSS Panama City
AOC 1 MNA Cost Report for 8 Wells

Element: General

Assembly	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Cost Override
33220108	Project Scientist	366.00	HR	0.00	18.81	0.00	$6,883.40	
33220109	Staff Scientist	360.00	HR	0.00	17.95	0.00	$6,462.65	
33220112	Field Technician	64.00	HR	0.00	12.55	0.00	$803.30	
33220114	Word Processing/Clerical	96.00	HR	0.00	10.40	0.00	$998.52	
33220115	Draftsman/CADD	48.00	HR	0.00	16.12	0.00	$773.72	

Total Element Cost	**$21,702.00**
Total Technology Cost	**$39,509.78**
Cost Markups	**$46,663**
Total MNA Cost (1st year)	**$86,172**

Appendix D

Well Construction Details

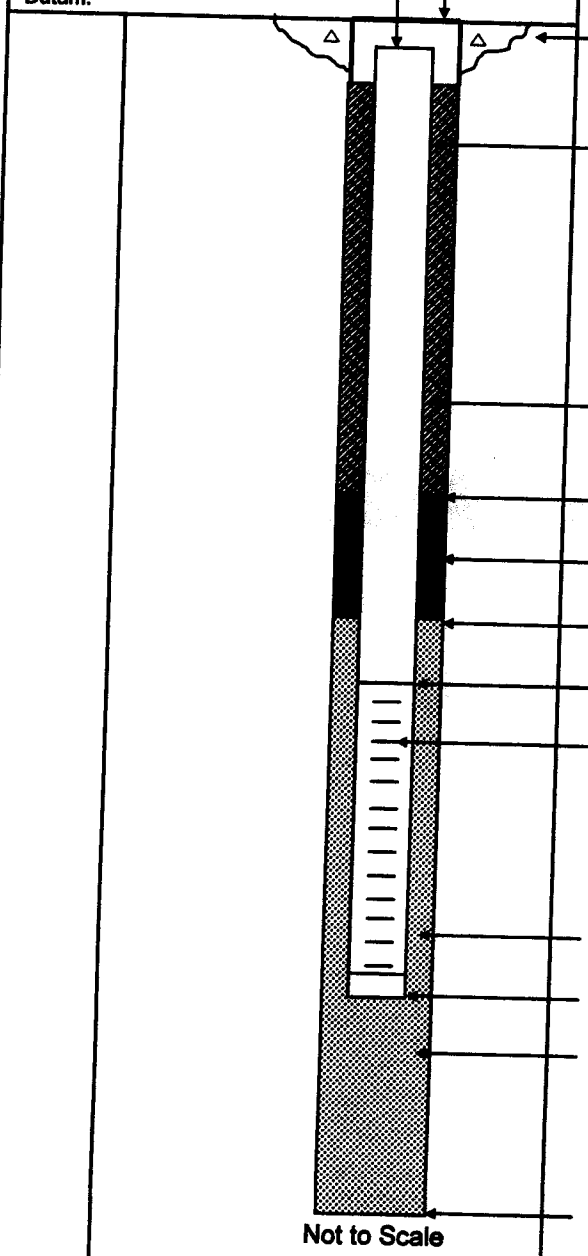
Tetra Tech NUS, Inc.

WELL No.: PCY-10-LR

MONITORING WELL SHEET

PROJECT:	CSS Panama City	DRILLING Co.:	Prosonic Corp.	BORING No.:	NA
PROJECT No.:	N 9061	DRILLER:	L. Rochablelle	DATE COMPLETED:	5/1/03
SITE:	SWMU-10	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	Bill Olson	DEV. METHOD:	Surge/Purge	EASTING:	

Ground Elevation =
Datum:



Not to Scale

Elevation / Depth of Top of Riser: 1 FM

Elevation / Height of Top of Surface Casing: 1 FM

I.D. of Surface Casing: 8"

Type of Surface Casing: Bolt Down

Type of Surface Seal: 2x2 Pad

I.D. of Riser: 1"

Type of Riser: Sched 40 PVC

Borehole Diameter: 3"

Type of Backfill: Concrete

Elevation / Depth of Seal: 1 1'

Type of Seal: bent. Pellets

Elevation / Depth of Top of Filter Pack: 1 2'

Elevation / Depth of Top of Screen: 1 3'

Type of Screen: Sched 40 PVC

Slot Size x Length: 0.010 x 10'

I.D. of Screen: 1"

Type of Filter Pack: 20/30 Prepack

Elevation / Depth of Bottom of Screen: 1 13'

Elevation / Depth of Bottom of Filter Pack: 1 13'

Type of Backfill Below Well: NA

Elevation / Total Depth of Borehole: 1 13'

Tetra Tech NUS, Inc.

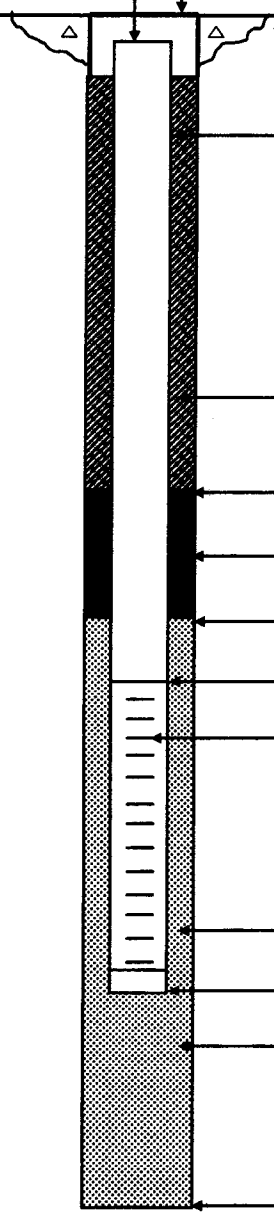
WELL No.: PC4-10-4R

MONITORING WELL SHEET

PROJECT:	CSS Panama City	DRILLING Co.:	Prosonic Corp.	BORING No.:	NA
PROJECT No.:	N9061	DRILLER:	L. Rochelaine	DATE COMPLETED:	5/1/03
SITE:	SWMU-10	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	Bill Olson	DEV. METHOD:	Surge/Purge	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: / FM

Elevation / Height of Top of Surface Casing: / FM

I.D. of Surface Casing: 8"

Type of Surface Casing: Bolt Down

Type of Surface Seal: 2x2 PAD

I.D. of Riser: 1"

Type of Riser: Sched 40 PVC

Borehole Diameter: 3"

Type of Backfill: Concrete

Elevation / Depth of Seal: / 1'

Type of Seal: bent. Pellets

Elevation / Depth of Top of Filter Pack: / 2'

Elevation / Depth of Top of Screen: / 3'

Type of Screen: Sched 40 PVC

Slot Size x Length: 0.010 x 10'

I.D. of Screen: 1"

Type of Filter Pack: 20/30 Prepack

Elevation / Depth of Bottom of Screen: / 13'

Elevation / Depth of Bottom of Filter Pack: / 13'

Type of Backfill Below Well: NA

Elevation / Total Depth of Borehole: / 13'

Tetra Tech NUS, Inc.

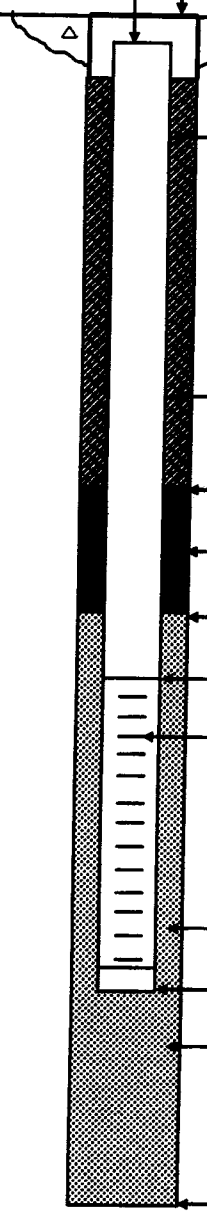
WELL No.: PCy-10-SAR

MONITORING WELL SHEET

PROJECT:	CSS Panama City	DRILLING Co.:	Prosonic Corp.	BORING No.:	N/A
PROJECT No.:	N9061	DRILLER:	L. Rochebleau	DATE COMPLETED:	5/1/03
SITE:	SWMU-10	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	Bill Olson	DEV. METHOD:	Surge/Pump	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: 1 FM

Elevation / Height of Top of Surface Casing: 1 FM

I.D. of Surface Casing: 8"

Type of Surface Casing: Boltdown

Type of Surface Seal: 2x2 Pad

I.D. of Riser: 1"

Type of Riser: Sched 40 PVC

Borehole Diameter: 3"

Type of Backfill: ~~Bank Concrete~~ Neat cement grout

Elevation / Depth of Seal: 15'

Type of Seal: bentonite pellets

Elevation / Depth of Top of Filter Pack: 23'

Elevation / Depth of Top of Screen: 25'

Type of Screen:

Slot Size x Length: 0.010 X 5'

I.D. of Screen: 1"

Type of Filter Pack: 20/30 Prepack

Elevation / Depth of Bottom of Screen: 30'

Elevation / Depth of Bottom of Filter Pack: 30'

Type of Backfill Below Well: NA

Elevation / Total Depth of Borehole: 30'

Tetra Tech NUS, Inc.

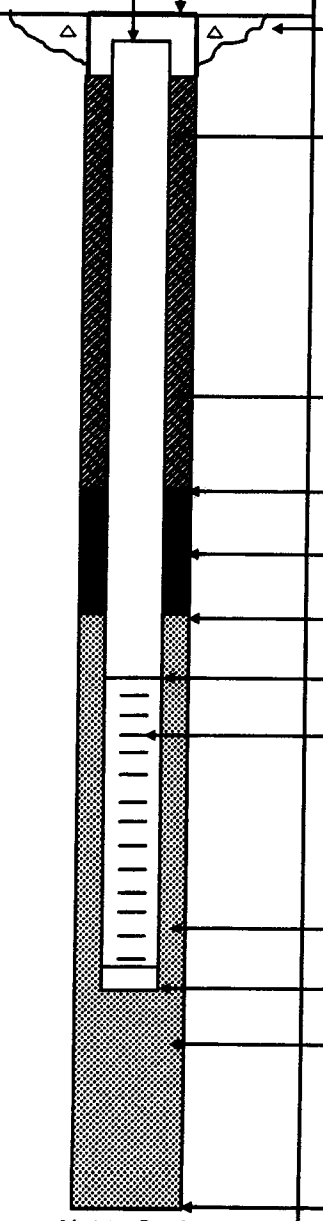
WELL No.: PC4-10-8R

MONITORING WELL SHEET

PROJECT:	CSS Panama City	DRILLING Co.:	Prosonic Corp.	BORING No.:	NA
PROJECT No.:	N9061	DRILLER:	L. Rochelle	DATE COMPLETED:	5/1/03
SITE:	SWMU-10	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	Bill Olson	DEV. METHOD:	Surg/Pump	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: 1FM

Elevation / Height of Top of Surface Casing: 1FM

I.D. of Surface Casing: 8"

Type of Surface Casing: Bolt down

Type of Surface Seal: 2x2 Pad

I.D. of Riser: 1"

Type of Riser: Sched 40 PVC

Borehole Diameter: 3"

Type of Backfill: Concrete

Elevation / Depth of Seal: 11'

Type of Seal: bent. Pellets

Elevation / Depth of Top of Filter Pack: 12'

Elevation / Depth of Top of Screen: 13'

Type of Screen: Sched 40 PVC

Slot Size x Length: 0.010 x 10'

I.D. of Screen: 1"

Type of Filter Pack: 20/30 Prepack

Elevation / Depth of Bottom of Screen: 13'

Elevation / Depth of Bottom of Filter Pack: 13'

Type of Backfill Below Well: NA

Elevation / Total Depth of Borehole: 13'

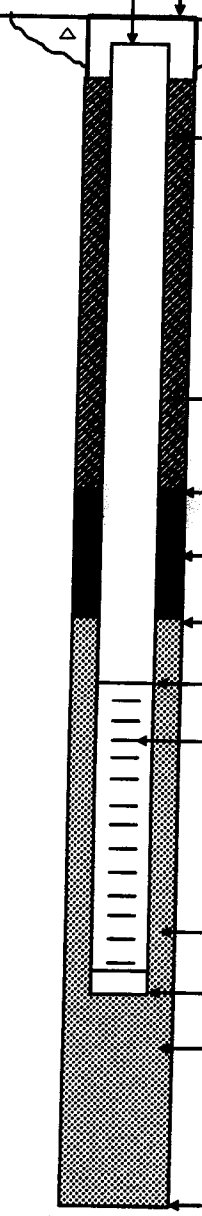
Tetra Tech NUS, Inc.

WELL No.: PCy-10 -9

MONITORING WELL SHEET Replacement for TCW

PROJECT:	CSS Panama City	DRILLING Co.:	Prosonic Corp.	BORING No.:	NA
PROJECT No.:	N9061	DRILLER:	L. Rochelaue	DATE COMPLETED:	5/1/03
SITE:	SWMU-10	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	Bill Olson	DEV. METHOD:	Surge/Pump	EASTING:	

Ground Elevation =
Datum:



Not to Scale

Elevation / Depth of Top of Riser: / FM

Elevation / Height of Top of Surface Casing: / FM

I.D. of Surface Casing: 8"

Type of Surface Casing: Bolt down

Type of Surface Seal: 2x2 Pad

I.D. of Riser: 1"

Type of Riser: Sched 40 PVC

Borehole Diameter: 3"

Type of Backfill: Concrete

Elevation / Depth of Seal: / 1'

Type of Seal: bent. Pellets

Elevation / Depth of Top of Filter Pack: / 2'

Elevation / Depth of Top of Screen: / 3'

Type of Screen: Sched 40 PVC

Slot Size x Length: 0.010 x 10'

I.D. of Screen: 1"

Type of Filter Pack: 20/30 Prepack

Elevation / Depth of Bottom of Screen: / 13'

Elevation / Depth of Bottom of Filter Pack: / 13'

Type of Backfill Below Well: NA

Elevation / Total Depth of Borehole: / 13'

Appendix E

Analytical Data from the Laboratory

(See attached CD)

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**JULY 14, 2003**
FROM:	**MICHAEL T. AKERS**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOC and SVOC**
CTO 287, CSS PANAMA CITY
SDG WT0984

SAMPLES: 6 / Soil / VOC / SVOC

PCYS10Z1404*	PCYS10Z1406	PCYS10Z306
PCYS10Z506*	PCYS10Z904	PCYS10Z906*

OVERVIEW

The sample set for CTO 287; CSS Panama City, SDG WT0984 consists of six (6) soil environmental samples analyzed for Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs). The samples denoted with an asterisk (*) were also analyzed for VOCs and SVOCs after undergoing Synthetic Precipitation Leaching Procedure (SPLP).

The samples were collected by TetraTech NUS on April 30th, 2003 and analyzed by Katahdin Analytical Services. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW846 Methods 1311, 8260B and 8270C analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

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

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

VOC

A calibration verification RRF associated with all soil samples fell below the 0.05 quality control limit for acetone on the instrument GCMS-Q at 1612, on 5/8/03. Only non-detected results were reported for acetone and these were qualified as rejected (UR) in all samples associated with this calibration verification.

A calibration verification %D exceeded the 25% quality control limit for 2-butanone on the instrument GCMS-Q, at 1612, on 5/8/03. Only non-detected results were reported 2-butanone and these were qualified as estimated (UJ) in all samples associated with this calibration verification.

Methyl tert-butyl ether (MTBE) exhibited high recovery in Lab Control Standards (LCS) analyzed on 5/7/2003 and 5/8/2003. MTBE was detected in sample PCYS10Z506 and was qualified with a "J" as estimated. It should be noted that the result reported for MTBE in sample PCYS10Z506 may be biased high, in conjunction with the high recoveries exhibited in the LCS.

The following compound was detected in the aqueous laboratory method blank at the maximum concentrations indicated below:

Compound	Maximum Concentration (µg/L)	Action Level (µg/L)
1,2-Dibromo-3-chloropropane	0.70	3.5
1,2,4-Trichlorobenzene	1.0	5.0

An action level of 5X the maximum detected concentration was established for evaluating blank contamination for 1,2-dibromo-3-chloropropane and 1,2,4-trichlorobenzene. 1,2-Dibromo-3-chloropropane and 1,2,4-trichlorobenzene were not detected in any aqueous samples within this SDG.

The following compound was detected in the leachate blank at the maximum concentration indicated below:

Compound	Maximum Concentration (µg/L)	Action Level (µg/L)
Methylene chloride	3.0	30.0

Blank Actions

- Value < Reporting Limit (RL); report RL followed by a U.
- Value > RL and < Action level, report value followed by a U.

An action level of 10X the maximum detected concentration was established for evaluating blank contamination for methylene chloride. Methylene chloride was detected and qualified as non-detected with a "U" in all SPLP VOC samples.

SVOC

An initial calibration %RSD exceeded the 30% quality control limit for benzaldehyde on instrument GCMS-X on 5/12/03 and GCMS-K on 5/21/03. Only nondetected results were reported for benzaldehyde and these were qualified as estimated (UJ) in all soil samples.
Calibration verification %Ds exceeded the 25% quality control limit for 4,6-dinitro-2-methylphenol,

benzaldehyde, and hexachlorocyclopentadiene on instrument GCMS-K, at 1522, on 5/28/03. Only non-detected results were reported for these compounds and were qualified as estimated (UJ) in all associated soil and SPLP samples.

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dintrophenol, 2,4-dinitrotoluene, 4-nitroaniline, 4,6-dinitro-2-methylphenol, and benzaldehyde on instrument GCMS-K, at 1518, on 5/29/03. Only non-detected results were reported for these compounds and were qualified as estimated (UJ) in all associated soil and SPLP samples.

Recovery of acid surrogates 2-fluorophenol and 2,4,6-tribromophenol fell below their quality control limits (and were < 10%) for the analysis of sample PCYS10Z906. No re-analysis was performed on this sample. No positive detection were reported, thus all non-detects for the acid compounds were rejected (UR).

Dimethyl and diethyl phthalate were recovered below their respective quality control limits for the analysis of the SPLP LCS extracted on 5/13/03. Dimethyl phthalate also was not recovered (0%) for the analysis of the SPLP LCSD extracted on 5/13/03. The aforementioned compounds were rejected in the associated SPLP samples.

Multiple internal standards fell outside the -50% - +100% quality control limit for the SPLP SVOC analysis of sample PCYS10Z1404 analyzed on 5/28/03. The sample was re-analyzed on 5/30/03 and similar results were obtained, therefore the data from 5/28/03 was retained for the purpose of data validation. No positive results were reported for sample PCYS10Z1404 and all non detected results associated with Chrysene-d12 and Perylene-d12 internal standards were qualified as estimated (UJ).

Multiple internal standards fell outside the -50% - +100% quality control limit for the analysis of sample PCYS10Z904 analyzed on 5/28/03. The sample was re-analyzed on 5/30/03 and similar results were obtained, therefore the data from 5/28/03 was retained for the purpose of data validation. All non detected results associated with Phenanthrene-d10, Chrysene-d12, and Perylene-d12 internal standards were qualified as estimated (UJ). The positive result reported for bis(2-ethylhexyl)phthalate was qualified as estimated (J).

Additional Comments

Positive results less than sample reporting limits (but greater than sample method detection limits) were qualified as estimated (J) due to uncertainty near the detection limit.

Calibration verification %Ds exceeded the 25% quality control limit for 3,3'-dichlorobenzidine and benzaldehyde on instrument GCMS-X, at 1913, on 5/21/03. Only QC samples were associated with this CCAL, therefore no data qualifications were made.

Calibration verification %Ds exceeded the 25% quality control limit for 2,2'-oxybis(1-chloropropane), 4-nitrophenol, butylbenzylphthalate, bis(2-ethylhexyl)phthalate, and benzaldehyde on instrument GCMS-X, at 1706, on 5/16/03. Only QC samples were associated with this CCAL, therefore no data qualifications were made.

Recovery of Terphenyl-d14 surrogate was above the 35%-126% control limit for the analysis of sample PCYS10Z1404. No qualification of the data was necessary because only one surrogate per fraction was outside of criteria.

Multiple surrogates recoveries were above quality control limits for the analysis of laboratory blank WG2250 analyzed on GCMS-K. This blank was also analyzed on an earlier date on instrument GCMS-X and all surrogates were within control limits. The laboratory stated the elevated surrogate recovery was due to "sample extract evaporation caused by an extract vial cap with a septa defect." Since no analytes were detected in either blank, no data qualifications were made.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Methylene chloride was detected in the laboratory SPLP extraction blank and all associated samples. Methylene chloride was qualified as non-detected (UJ) in all SPLP samples. Initial calibration linearity and or instrument response criteria were not met for a few SVOC compounds resulting in the rejection and/or estimation of analytical data. Calibration verification %D and/or response criteria were not met for several SVOC compounds resulting in the rejection and/or estimation of analytical data. Two SVOC compounds were not recovered within quality control limits for soil LCSs. However, no data validation action was required.

Other Factors Affecting Data Quality: None

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), EPA Region IV (8/93) and the NFESC guidelines "Navy IRCDQM" (Sept 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

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

Tetra Tech NUS

Michael T. Akers
Chemist/Data Validator

Edward Sedlmayer / for
TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: OV

nsample	PCYS10Z1404
samp_date	4/30/2003
lab_id	WT0984-4
qc_type	NM
units	UG/KG
Pct_Solids	84.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2,4-TRICHLOROBENZENE	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	
1,4-DICHLOROBENZENE	7	U	
2-BUTANONE	28	U	
2-HEXANONE	28	U	
4-METHYL-2-PENTANONE	28	U	
ACETONE	28	U	
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	

nsample	PCYS10Z1404
samp_date	4/30/2003
lab_id	WT0984-4
qc_type	NM
units	UG/KG
Pct_Solids	84.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	7	U	
CYCLOHEXANE	7	U	
DICHLORODIFLUOROMETHANE	7	U	
ETHYLBENZENE	7	U	
ISOPROPYLBENZENE	7	U	
M+P-XYLENES	14	U	
METHYL ACETATE	7	U	
METHYL CYCLOHEXANE	7	U	
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	7	U	
O-XYLENE	7	U	
STYRENE	7	U	
TETRACHLOROETHENE	7	U	
TOLUENE	7	U	
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	30		
VINYL CHLORIDE	7	U	

nsample	PCYS10Z1406
samp_date	4/30/2003
lab_id	WT0984-5
qc_type	NM
units	UG/KG
Pct_Solids	84.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2,4-TRICHLOROBENZENE	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	
1,4-DICHLOROBENZENE	7	U	
2-BUTANONE	28	UJ	C
2-HEXANONE	28	U	
4-METHYL-2-PENTANONE	28	U	
ACETONE	28	UR	C
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: OV

nsample	PCYS10Z1406
samp_date	4/30/2003
lab_id	WT0984-5
qc_type	NM
units	UG/KG
Pct_Solids	84.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	7	U	
CYCLOHEXANE	7	U	
DICHLORODIFLUOROMETHANE	7	U	
ETHYLBENZENE	7	U	
ISOPROPYLBENZENE	7	U	
M+P-XYLENES	14	U	
METHYL ACETATE	7	U	
METHYL CYCLOHEXANE	7	U	
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	7	U	
O-XYLENE	16		
STYRENE	7	U	
TETRACHLOROETHENE	7	U	
TOLUENE	7	U	
TOTAL 1,2-DICHLOROETHENE	14	U	
TOTAL XYLENES	16	J	P
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
TRICHLOROFLUOROMETHANE	7	U	
VINYL CHLORIDE	7	U	

nsample	PCYS10Z306
samp_date	4/30/2003
lab_id	WT0984-1
qc_type	NM
units	UG/KG
Pct_Solids	87.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2,4-TRICHLOROBENZENE	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	
1,4-DICHLOROBENZENE	7	U	
2-BUTANONE	27	UJ	C
2-HEXANONE	27	U	
4-METHYL-2-PENTANONE	27	U	
ACETONE	27	UR	C
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	

nsample	PCYS10Z306
samp_date	4/30/2003
lab_id	WT0984-1
qc_type	NM
units	UG/KG
Pct_Solids	87.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	7	U	
CYCLOHEXANE	7	U	
DICHLORODIFLUOROMETHANE	7	U	
ETHYLBENZENE	7	U	
ISOPROPYLBENZENE	7	U	
M+P-XYLENES	14	U	
METHYL ACETATE	7	U	
METHYL CYCLOHEXANE	7	U	
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	7	U	
O-XYLENE	7	U	
STYRENE	7	U	
TETRACHLOROETHENE	4	J	P
TOLUENE	7	U	
TOTAL 1,2-DICHLOROETHENE	14	U	
TOTAL XYLENES	20	U	
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
TRICHLOROFLUOROMETHANE	9		
VINYL CHLORIDE	7	U	

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: OV

nsample	PCYS10Z506
samp_date	4/30/2003
lab_id	WT0984-6
qc_type	NM
units	UG/KG
Pct_Solids	81.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2,4-TRICHLOROBENZENE	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	
1,4-DICHLOROBENZENE	7	U	
2-BUTANONE	29	U	
2-HEXANONE	29	U	
4-METHYL-2-PENTANONE	29	U	
ACETONE	29	U	
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	

nsample	PCYS10Z506
samp_date	4/30/2003
lab_id	WT0984-6
qc_type	NM
units	UG/KG
Pct_Solids	81.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	7	U	
CYCLOHEXANE	7	U	
DICHLORODIFLUOROMETHANE	7	U	
ETHYLBENZENE	7	U	
ISOPROPYLBENZENE	7	U	
M+P-XYLENES	14	U	
METHYL ACETATE	7	U	
METHYL CYCLOHEXANE	7	U	
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	7	U	
O-XYLENE	7	U	
STYRENE	7	U	
TETRACHLOROETHENE	7	U	
TOLUENE	7	U	
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	7	U	
VINYL CHLORIDE	7	U	

nsample	PCYS10Z904
samp_date	4/30/2003
lab_id	WT0984-2
qc_type	NM
units	UG/KG
Pct_Solids	90
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2,4-TRICHLOROBENZENE	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	
1,4-DICHLOROBENZENE	7	U	
2-BUTANONE	26	UJ	C
2-HEXANONE	26	U	
4-METHYL-2-PENTANONE	26	U	
ACETONE	26	UR	C
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: OV

nsample	PCYS10Z904
samp_date	4/30/2003
lab_id	WT0984-2
qc_type	NM
units	UG/KG
Pct_Solids	90
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	7	U	
CYCLOHEXANE	7	U	
DICHLORODIFLUOROMETHANE	7	U	
ETHYLBENZENE	7	U	
ISOPROPYLBENZENE	7	U	
M+P-XYLENES	13	U	
METHYL ACETATE	7	U	
METHYL CYCLOHEXANE	7	U	
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	7	U	
O-XYLENE	7	U	
STYRENE	7	U	
TETRACHLOROETHENE	7		
TOLUENE	7	U	
TOTAL 1,2-DICHLOROETHENE	13	U	
TOTAL XYLENES	20	U	
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
TRICHLOROFLUOROMETHANE	7	U	
VINYL CHLORIDE	7	U	

nsample	PCYS10Z906
samp_date	4/30/2003
lab_id	WT0984-3
qc_type	NM
units	UG/KG
Pct_Solids	86.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2,4-TRICHLOROBENZENE	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	
1,4-DICHLOROBENZENE	7	U	
2-BUTANONE	28	U	
2-HEXANONE	28	U	
4-METHYL-2-PENTANONE	28	U	
ACETONE	28	U	
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	

nsample	PCYS10Z906
samp_date	4/30/2003
lab_id	WT0984-3
qc_type	NM
units	UG/KG
Pct_Solids	86.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	7	U	
CYCLOHEXANE	7	U	
DICHLORODIFLUOROMETHANE	7	U	
ETHYLBENZENE	7	U	
ISOPROPYLBENZENE	7	U	
M+P-XYLENES	14	U	
METHYL ACETATE	7	U	
METHYL CYCLOHEXANE	7	U	
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	7	U	
O-XYLENE	7	U	
STYRENE	7	U	
TETRACHLOROETHENE	7	U	
TOLUENE	7	U	
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	7	U	
VINYL CHLORIDE	7	U	

PROJ_NO: 9061

SDG: WT0984 MEDIA: TCLP DATA FRACTION: TCLPV

nsample	PCYS10Z1404
samp_date	4/30/2003
lab_id	WT0984-8
qc_type	NM
units	UG/L
Pct_Solids	0
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	0.2	J	P
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	PCYS10Z1404
samp_date	4/30/2003
lab_id	WT0984-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	10	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	A
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	10	U	
TOTAL XYLENES	15	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	PCYS10Z506
samp_date	4/30/2003
lab_id	WT0984-9
qc_type	NM
units	UG/L
Pct_Solids	0
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	0.5	J	P
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	3	J	P
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: WT0984 MEDIA: TCLP DATA FRACTION: TCLPV

nsample	PCYS10Z506
samp_date	4/30/2003
lab_id	WT0984-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	3	J	P
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	11		
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	33	J	E
METHYLENE CHLORIDE	5	U	A
O-XYLENE	6		
STYRENE	5	U	
TETRACHLOROETHENE	0.8	J	P
TOLUENE	43		
TOTAL 1,2-DICHLOROETHENE	10	U	
TOTAL XYLENES	17		
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	PCYS10Z906
samp_date	4/30/2003
lab_id	WT0984-7
qc_type	NM
units	UG/L
Pct_Solids	0
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	PCYS10Z906
samp_date	4/30/2003
lab_id	WT0984-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	10	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	A
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	10	U	
TOTAL XYLENES	15	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: OS

nsample	PCYS10Z1404	nsample	PCYS10Z1404	nsample	PCYS10Z1404
samp_date	4/30/2003	samp_date	4/30/2003	samp_date	4/30/2003
lab_id	WT0984-4	lab_id	WT0984-4	lab_id	WT0984-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	84.1	Pct_Solids	84.1	Pct_Solids	84.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	390	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	390	U	
2,4,5-TRICHLOROPHENOL	970	U	
2,4,6-TRICHLOROPHENOL	390	U	
2,4-DICHLOROPHENOL	390	U	
2,4-DIMETHYLPHENOL	390	U	
2,4-DINITROPHENOL	970	UJ	C
2,4-DINITROTOLUENE	390	UJ	C
2,6-DINITROTOLUENE	390	U	
2-CHLORONAPHTHALENE	390	U	
2-CHLOROPHENOL	390	U	
2-METHYLNAPHTHALENE	390	U	
2-METHYLPHENOL	390	U	
2-NITROANILINE	970	U	
2-NITROPHENOL	390	U	
3,3'-DICHLOROBENZIDINE	390	U	
3-NITROANILINE	970	U	
4,6-DINITRO-2-METHYLPHENOL	970	UJ	C
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	970	UJ	C
4-NITROPHENOL	970	U	
ACENAPHTHENE	390	U	
ACENAPHTHYLENE	390	U	
ACETOPHENONE	390	U	
ANTHRACENE	390	U	
ATRAZINE	390	U	

Parameter	Result	Val Qual	Qual Code
BENZALDEHYDE	390	UJ	C
BENZO(A)ANTHRACENE	390	U	
BENZO(A)PYRENE	390	U	
BENZO(B)FLUORANTHENE	390	U	
BENZO(G,H,I)PERYLENE	390	U	
BENZO(K)FLUORANTHENE	390	U	
BIS(2-CHLOROETHOXY)METHANE	390	U	
BIS(2-CHLOROETHYL)ETHER	390	U	
BIS(2-ETHYLHEXYL)PHTHALATE	76	J	P
BUTYL BENZYL PHTHALATE	390	U	
CAPROLACTAM	390	U	
CARBAZOLE	390	U	
CHRYSENE	390	U	
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	390	U	
FLUORENE	390	U	
HEXACHLOROBENZENE	390	U	
HEXACHLOROBUTADIENE	390	U	
HEXACHLOROCYCLOPENTADIENE	390	U	
HEXACHLOROETHANE	390	U	
INDENO(1,2,3-CD)PYRENE	390	U	
ISOPHORONE	390	U	
NAPHTHALENE	390	U	
NITROBENZENE	390	U	
N-NITROSO-DI-N-PROPYLAMINE	390	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSODIPHENYLAMINE	390	U	
PENTACHLOROPHENOL	970	U	
PHENANTHRENE	390	U	
PHENOL	390	U	
PYRENE	390	U	

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: OS

nsample	PCYS10Z1406
samp_date	4/30/2003
lab_id	WT0984-5
qc_type	NM
units	UG/KG
Pct_Solids	84.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	390	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	390	U	
2,4,5-TRICHLOROPHENOL	970	U	
2,4,6-TRICHLOROPHENOL	390	U	
2,4-DICHLOROPHENOL	390	U	
2,4-DIMETHYLPHENOL	390	U	
2,4-DINITROPHENOL	970	U	
2,4-DINITROTOLUENE	390	U	
2,6-DINITROTOLUENE	390	U	
2-CHLORONAPHTHALENE	390	U	
2-CHLOROPHENOL	390	U	
2-METHYLNAPHTHALENE	380	J	P
2-METHYLPHENOL	390	U	
2-NITROANILINE	970	U	
2-NITROPHENOL	390	U	
3,3'-DICHLOROBENZIDINE	390	U	
3-NITROANILINE	970	U	
4,6-DINITRO-2-METHYLPHENOL	970	UJ	C
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	970	U	
4-NITROPHENOL	970	U	
ACENAPHTHENE	390	U	
ACENAPHTHYLENE	390	U	
ACETOPHENONE	280	J	P
ANTHRACENE	390	U	
ATRAZINE	390	U	

nsample	PCYS10Z1406
samp_date	4/30/2003
lab_id	WT0984-5
qc_type	NM
units	UG/KG
Pct_Solids	84.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZALDEHYDE	390	UJ	C
BENZO(A)ANTHRACENE	390	U	
BENZO(A)PYRENE	390	U	
BENZO(B)FLUORANTHENE	390	U	
BENZO(G,H,I)PERYLENE	390	U	
BENZO(K)FLUORANTHENE	390	U	
BIS(2-CHLOROETHOXY)METHANE	390	U	
BIS(2-CHLOROETHYL)ETHER	390	U	
BIS(2-ETHYLHEXYL)PHTHALATE	420		
BUTYL BENZYL PHTHALATE	390	U	
CAPROLACTAM	390	U	
CARBAZOLE	390	U	
CHRYSENE	390	U	
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	390	U	
FLUORENE	390	U	
HEXACHLOROBENZENE	390	U	
HEXACHLOROBUTADIENE	390	U	
HEXACHLOROCYCLOPENTADIENE	390	UJ	C
HEXACHLOROETHANE	390	U	
INDENO(1,2,3-CD)PYRENE	390	U	
ISOPHORONE	390	U	
NAPHTHALENE	390	U	
NITROBENZENE	390	U	
N-NITROSO-DI-N-PROPYLAMINE	390	U	

nsample	PCYS10Z1406
samp_date	4/30/2003
lab_id	WT0984-5
qc_type	NM
units	UG/KG
Pct_Solids	84.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSODIPHENYLAMINE	390	U	
PENTACHLOROPHENOL	970	U	
PHENANTHRENE	100	J	P
PHENOL	390	U	
PYRENE	120	J	P

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: OS

nsample	PCYS10Z306
samp_date	4/30/2003
lab_id	WT0984-1DL2
qc_type	NM
units	UG/KG
Pct_Solids	87.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	760	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	760	U	
2,4,5-TRICHLOROPHENOL	1900	U	
2,4,6-TRICHLOROPHENOL	760	U	
2,4-DICHLOROPHENOL	760	U	
2,4-DIMETHYLPHENOL	760	U	
2,4-DINITROPHENOL	1900	UJ	C
2,4-DINITROTOLUENE	760	UJ	C
2,6-DINITROTOLUENE	760	U	
2-CHLORONAPHTHALENE	760	U	
2-CHLOROPHENOL	760	U	
2-METHYLNAPHTHALENE	760	U	
2-METHYLPHENOL	760	U	
2-NITROANILINE	1900	U	
2-NITROPHENOL	760	U	
3,3'-DICHLOROBENZIDINE	760	U	
3-NITROANILINE	1900	U	
4,6-DINITRO-2-METHYLPHENOL	1900	UJ	C
4-BROMOPHENYL PHENYL ETHER	760	U	
4-CHLORO-3-METHYLPHENOL	760	U	
4-CHLOROANILINE	760	U	
4-CHLOROPHENYL PHENYL ETHER	760	U	
4-METHYLPHENOL	760	U	
4-NITROANILINE	1900	UJ	C
4-NITROPHENOL	1900	U	
ACENAPHTHENE	760	U	
ACENAPHTHYLENE	760	U	
ACETOPHENONE	760	U	
ANTHRACENE	760	U	
ATRAZINE	760	U	

nsample	PCYS10Z306
samp_date	4/30/2003
lab_id	WT0984-1DL2
qc_type	NM
units	UG/KG
Pct_Solids	87.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZALDEHYDE	760	UJ	C
BENZO(A)ANTHRACENE	760	U	
BENZO(A)PYRENE	760	U	
BENZO(B)FLUORANTHENE	760	U	
BENZO(G,H,I)PERYLENE	760	U	
BENZO(K)FLUORANTHENE	760	U	
BIS(2-CHLOROETHOXY)METHANE	760	U	
BIS(2-CHLOROETHYL)ETHER	760	U	
BIS(2-ETHYLHEXYL)PHTHALATE	320	J	P
BUTYL BENZYL PHTHALATE	760	U	
CAPROLACTAM	760	U	
CARBAZOLE	760	U	
CHRYSENE	760	U	
DIBENZO(A,H)ANTHRACENE	760	U	
DIBENZOFURAN	760	U	
DIETHYL PHTHALATE	760	U	
DIMETHYL PHTHALATE	760	U	
DI-N-BUTYL PHTHALATE	760	U	
DI-N-OCTYL PHTHALATE	760	U	
FLUORANTHENE	760	U	
FLUORENE	760	U	
HEXACHLOROBENZENE	760	U	
HEXACHLOROBUTADIENE	760	U	
HEXACHLOROCYCLOPENTADIENE	760	U	
HEXACHLOROETHANE	760	U	
INDENO(1,2,3-CD)PYRENE	760	U	
ISOPHORONE	760	U	
NAPHTHALENE	760	U	
NITROBENZENE	760	U	
N-NITROSO-DI-N-PROPYLAMINE	760	U	

nsample	PCYS10Z306
samp_date	4/30/2003
lab_id	WT0984-1DL2
qc_type	NM
units	UG/KG
Pct_Solids	87.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSODIPHENYLAMINE	760	U	
PENTACHLOROPHENOL	1900	U	
PHENANTHRENE	760	U	
PHENOL	760	U	
PYRENE	140	J	P

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: OS

nsample	PCYS10Z506	nsample	PCYS10Z506	nsample	PCYS10Z506
samp_date	4/30/2003	samp_date	4/30/2003	samp_date	4/30/2003
lab_id	WT0984-6	lab_id	WT0984-6	lab_id	WT0984-6
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	81.6	Pct_Solids	81.6	Pct_Solids	81.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	400	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	400	U	
2,4,5-TRICHLOROPHENOL	1000	U	
2,4,6-TRICHLOROPHENOL	400	U	
2,4-DICHLOROPHENOL	400	U	
2,4-DIMETHYLPHENOL	400	U	
2,4-DINITROPHENOL	1000	U	
2,4-DINITROTOLUENE	400	U	
2,6-DINITROTOLUENE	400	U	
2-CHLORONAPHTHALENE	400	U	
2-CHLOROPHENOL	400	U	
2-METHYLNAPHTHALENE	400	U	
2-METHYLPHENOL	400	U	
2-NITROANILINE	1000	U	
2-NITROPHENOL	400	U	
3,3'-DICHLOROBENZIDINE	400	U	
3-NITROANILINE	1000	U	
4,6-DINITRO-2-METHYLPHENOL	1000	UJ	C
4-BROMOPHENYL PHENYL ETHER	400	U	
4-CHLORO-3-METHYLPHENOL	400	U	
4-CHLOROANILINE	400	U	
4-CHLOROPHENYL PHENYL ETHER	400	U	
4-METHYLPHENOL	400	U	
4-NITROANILINE	1000	U	
4-NITROPHENOL	1000	U	
ACENAPHTHENE	33	J	P
ACENAPHTHYLENE	400	U	
ACETOPHENONE	400	U	
ANTHRACENE	400	U	
ATRAZINE	400	U	

Parameter	Result	Val Qual	Qual Code
BENZALDEHYDE	400	UJ	C
BENZO(A)ANTHRACENE	400	U	
BENZO(A)PYRENE	400	U	
BENZO(B)FLUORANTHENE	400	U	
BENZO(G,H,I)PERYLENE	400	U	
BENZO(K)FLUORANTHENE	400	U	
BIS(2-CHLOROETHOXY)METHANE	400	U	
BIS(2-CHLOROETHYL)ETHER	400	U	
BIS(2-ETHYLHEXYL)PHTHALATE	96	J	P
BUTYL BENZYL PHTHALATE	400	U	
CAPROLACTAM	400	U	
CARBAZOLE	400	U	
CHRYSENE	45	J	P
DIBENZO(A,H)ANTHRACENE	400	U	
DIBENZOFURAN	400	U	
DIETHYL PHTHALATE	400	U	
DIMETHYL PHTHALATE	400	U	
DI-N-BUTYL PHTHALATE	400	U	
DI-N-OCTYL PHTHALATE	400	U	
FLUORANTHENE	400	U	
FLUORENE	25	J	P
HEXACHLOROBENZENE	400	U	
HEXACHLOROBUTADIENE	400	U	
HEXACHLOROCYCLOPENTADIENE	400	UJ	C
HEXACHLOROETHANE	400	U	
INDENO(1,2,3-CD)PYRENE	400	U	
ISOPHORONE	400	U	
NAPHTHALENE	400	U	
NITROBENZENE	400	U	
N-NITROSO-DI-N-PROPYLAMINE	400	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSODIPHENYLAMINE	400	U	
PENTACHLOROPHENOL	1000	U	
PHENANTHRENE	43	J	P
PHENOL	400	U	
PYRENE	49	J	P

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: OS

nsample	PCYS10Z904	nsample	PCYS10Z904	nsample	PCYS10Z904
samp_date	4/30/2003	samp_date	4/30/2003	samp_date	4/30/2003
lab_id	WT0984-2	lab_id	WT0984-2	lab_id	WT0984-2
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	90	Pct_Solids	90	Pct_Solids	90
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	370	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	370	U	
2,4,5-TRICHLOROPHENOL	910	U	
2,4,6-TRICHLOROPHENOL	370	U	
2,4-DICHLOROPHENOL	370	U	
2,4-DIMETHYLPHENOL	370	U	
2,4-DINITROPHENOL	910	UJ	C
2,4-DINITROTOLUENE	370	UJ	C
2,6-DINITROTOLUENE	370	U	
2-CHLORONAPHTHALENE	370	U	
2-CHLOROPHENOL	370	U	
2-METHYLNAPHTHALENE	370	U	
2-METHYLPHENOL	370	U	
2-NITROANILINE	910	U	
2-NITROPHENOL	370	U	
3,3'-DICHLOROBENZIDINE	370	UJ	C
3-NITROANILINE	910	U	
4,6-DINITRO-2-METHYLPHENOL	910	UJ	CN
4-BROMOPHENYL PHENYL ETHER	370	UJ	N
4-CHLORO-3-METHYLPHENOL	370	U	
4-CHLOROANILINE	370	U	
4-CHLOROPHENYL PHENYL ETHER	370	U	
4-METHYLPHENOL	370	U	
4-NITROANILINE	910	U	
4-NITROPHENOL	910	U	
ACENAPHTHENE	370	U	
ACENAPHTHYLENE	370	U	
ACETOPHENONE	370	U	
ANTHRACENE	370	UJ	N
ATRAZINE	370	U	

Parameter	Result	Val Qual	Qual Code
BENZALDEHYDE	370	UJ	C
BENZO(A)ANTHRACENE	370	UJ	N
BENZO(A)PYRENE	370	UJ	N
BENZO(B)FLUORANTHENE	370	UJ	N
BENZO(G,H,I)PERYLENE	370	UJ	N
BENZO(K)FLUORANTHENE	370	UJ	N
BIS(2-CHLOROETHOXY)METHANE	370	U	
BIS(2-CHLOROETHYL)ETHER	370	U	
BIS(2-ETHYLHEXYL)PHTHALATE	960	J	N
BUTYL BENZYL PHTHALATE	370	UJ	N
CAPROLACTAM	370	U	
CARBAZOLE	370	UJ	N
CHRYSENE	370	UJ	N
DIBENZO(A,H)ANTHRACENE	370	UJ	N
DIBENZOFURAN	370	U	
DIETHYL PHTHALATE	370	U	
DIMETHYL PHTHALATE	370	U	
DI-N-BUTYL PHTHALATE	370	UJ	N
DI-N-OCTYL PHTHALATE	370	UJ	N
FLUORANTHENE	370	UJ	N
FLUORENE	370	U	
HEXACHLOROBENZENE	370	UJ	N
HEXACHLOROBUTADIENE	370	U	
HEXACHLOROCYCLOPENTADIENE	370	UJ	C
HEXACHLOROETHANE	370	U	
INDENO(1,2,3-CD)PYRENE	370	UJ	N
ISOPHORONE	370	U	
NAPHTHALENE	370	U	
NITROBENZENE	370	U	
N-NITROSO-DI-N-PROPYLAMINE	370	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSODIPHENYLAMINE	370	UJ	N
PENTACHLOROPHENOL	910	UJ	N
PHENANTHRENE	370	UJ	N
PHENOL	370	U	
PYRENE	370	UJ	N

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: OS

nsample	PCYS10Z906
samp_date	4/30/2003
lab_id	WT0984-3
qc_type	NM
units	UG/KG
Pct_Solids	86.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	380	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	380	U	
2,4,5-TRICHLOROPHENOL	950	U	
2,4,6-TRICHLOROPHENOL	380	U	
2,4-DICHLOROPHENOL	380	U	
2,4-DIMETHYLPHENOL	380	U	
2,4-DINITROPHENOL	950	U	
2,4-DINITROTOLUENE	380	U	
2,6-DINITROTOLUENE	380	U	
2-CHLORONAPHTHALENE	380	U	
2-CHLOROPHENOL	380	U	
2-METHYLNAPHTHALENE	380	U	
2-METHYLPHENOL	380	U	
2-NITROANILINE	950	U	
2-NITROPHENOL	380	U	
3,3'-DICHLOROBENZIDINE	380	U	
3-NITROANILINE	950	U	
4,6-DINITRO-2-METHYLPHENOL	950	UJ	C
4-BROMOPHENYL PHENYL ETHER	380	U	
4-CHLORO-3-METHYLPHENOL	380	U	
4-CHLOROANILINE	380	U	
4-CHLOROPHENYL PHENYL ETHER	380	U	
4-METHYLPHENOL	380	U	
4-NITROANILINE	950	U	
4-NITROPHENOL	950	U	
ACENAPHTHENE	380	U	
ACENAPHTHYLENE	380	U	
ACETOPHENONE	380	U	
ANTHRACENE	380	U	
ATRAZINE	380	U	

nsample	PCYS10Z906
samp_date	4/30/2003
lab_id	WT0984-3
qc_type	NM
units	UG/KG
Pct_Solids	86.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZALDEHYDE	380	UJ	C
BENZO(A)ANTHRACENE	95	J	P
BENZO(A)PYRENE	380	U	
BENZO(B)FLUORANTHENE	380	U	
BENZO(G,H,I)PERYLENE	380	U	
BENZO(K)FLUORANTHENE	380	U	
BIS(2-CHLOROETHOXY)METHANE	380	U	
BIS(2-CHLOROETHYL)ETHER	380	U	
BIS(2-ETHYLHEXYL)PHTHALATE	420		
BUTYL BENZYL PHTHALATE	380	U	
CAPROLACTAM	380	U	
CARBAZOLE	380	U	
CHRYSENE	380	U	
DIBENZO(A,H)ANTHRACENE	380	U	
DIBENZOFURAN	380	U	
DIETHYL PHTHALATE	380	U	
DIMETHYL PHTHALATE	380	U	
DI-N-BUTYL PHTHALATE	380	U	
DI-N-OCTYL PHTHALATE	380	U	
FLUORANTHENE	42	J	P
FLUORENE	380	U	
HEXACHLOROBENZENE	380	U	
HEXACHLOROBUTADIENE	380	U	
HEXACHLOROCYCLOPENTADIENE	380	UJ	C
HEXACHLOROETHANE	380	U	
INDENO(1,2,3-CD)PYRENE	380	U	
ISOPHORONE	380	U	
NAPHTHALENE	380	U	
NITROBENZENE	380	U	
N-NITROSO-DI-N-PROPYLAMINE	380	U	

nsample	PCYS10Z906
samp_date	4/30/2003
lab_id	WT0984-3
qc_type	NM
units	UG/KG
Pct_Solids	86.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSODIPHENYLAMINE	380	U	
PENTACHLOROPHENOL	950	U	
PHENANTHRENE	380	U	
PHENOL	380	U	
PYRENE	250	J	P

PROJ_NO: 9061

SDG: WT0984 MEDIA: TCLP DATA FRACTION: TCLPS

nsample	PCYS10Z1404
samp_date	4/30/2003
lab_id	WT0984-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	50	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	50	U	
2,4,5-TRICHLOROPHENOL	120	U	
2,4,6-TRICHLOROPHENOL	50	U	
2,4-DICHLOROPHENOL	50	U	
2,4-DIMETHYLPHENOL	50	U	
2,4-DINITROPHENOL	120	U	
2,4-DINITROTOLUENE	50	UJ	C
2,6-DINITROTOLUENE	50	UJ	C
2-CHLORONAPHTHALENE	50	U	
2-CHLOROPHENOL	50	U	
2-METHYLNAPHTHALENE	50	U	
2-METHYLPHENOL	50	U	
2-NITROANILINE	120	U	
2-NITROPHENOL	50	U	
3,3'-DICHLOROBENZIDINE	50	UJ	N
3-NITROANILINE	120	U	
4,6-DINITRO-2-METHYLPHENOL	120	UJ	C
4-BROMOPHENYL PHENYL ETHER	50	U	
4-CHLORO-3-METHYLPHENOL	50	U	
4-CHLOROANILINE	50	U	
4-CHLOROPHENYL PHENYL ETHER	50	U	
4-METHYLPHENOL	50	U	
4-NITROANILINE	120	UJ	C
4-NITROPHENOL	120	U	
ACENAPHTHENE	50	U	
ACENAPHTHYLENE	50	U	
ACETOPHENONE	50	U	
ANTHRACENE	50	U	
ATRAZINE	50	U	

nsample	PCYS10Z1404
samp_date	4/30/2003
lab_id	WT0984-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZALDEHYDE	50	UJ	C
BENZO(A)ANTHRACENE	50	UJ	N
BENZO(A)PYRENE	50	UJ	N
BENZO(B)FLUORANTHENE	50	UJ	N
BENZO(G,H,I)PERYLENE	50	UJ	N
BENZO(K)FLUORANTHENE	50	UJ	N
BIS(2-CHLOROETHOXY)METHANE	50	U	
BIS(2-CHLOROETHYL)ETHER	50	U	
BIS(2-ETHYLHEXYL)PHTHALATE	50	UJ	N
BUTYL BENZYL PHTHALATE	50	UJ	N
CAPROLACTAM	50	U	
CARBAZOLE	50	U	
CHRYSENE	50	UJ	N
DIBENZO(A,H)ANTHRACENE	50	UJ	N
DIBENZOFURAN	50	U	
DIETHYL PHTHALATE	50	U	
DIMETHYL PHTHALATE	50	U	
DI-N-BUTYL PHTHALATE	50	U	
DI-N-OCTYL PHTHALATE	50	UJ	N
FLUORANTHENE	50	U	
FLUORENE	50	U	
HEXACHLOROBENZENE	50	U	
HEXACHLOROBUTADIENE	50	U	
HEXACHLOROCYCLOPENTADIENE	50	U	
HEXACHLOROETHANE	50	U	
INDENO(1,2,3-CD)PYRENE	50	UJ	N
ISOPHORONE	50	U	
NAPHTHALENE	50	U	
NITROBENZENE	50	U	
N-NITROSO-DI-N-PROPYLAMINE	50	U	

nsample	PCYS10Z1404
samp_date	4/30/2003
lab_id	WT0984-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSODIPHENYLAMINE	50	U	
PENTACHLOROPHENOL	120	U	
PHENANTHRENE	50	U	
PHENOL	50	U	
PYRENE	50	UJ	N

PROJ_NO: 9061

SDG: WT0984 MEDIA: TCLP DATA FRACTION: TCLPS

nsample	PCYS10Z506
samp_date	4/30/2003
lab_id	WT0984-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	50	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	50	U	
2,4,5-TRICHLOROPHENOL	120	U	
2,4,6-TRICHLOROPHENOL	50	U	
2,4-DICHLOROPHENOL	50	U	
2,4-DIMETHYLPHENOL	50	U	
2,4-DINITROPHENOL	120	U	
2,4-DINITROTOLUENE	50	U	
2,6-DINITROTOLUENE	50	U	
2-CHLORONAPHTHALENE	50	U	
2-CHLOROPHENOL	50	U	
2-METHYLNAPHTHALENE	50	U	
2-METHYLPHENOL	50	U	
2-NITROANILINE	120	U	
2-NITROPHENOL	50	U	
3,3'-DICHLOROBENZIDINE	50	U	
3-NITROANILINE	120	U	
4,6-DINITRO-2-METHYLPHENOL	120	UJ	C
4-BROMOPHENYL PHENYL ETHER	50	U	
4-CHLORO-3-METHYLPHENOL	50	U	
4-CHLOROANILINE	50	U	
4-CHLOROPHENYL PHENYL ETHER	50	U	
4-METHYLPHENOL	50	U	
4-NITROANILINE	120	U	
4-NITROPHENOL	120	U	
ACENAPHTHENE	50	U	
ACENAPHTHYLENE	50	U	
ACETOPHENONE	50	U	
ANTHRACENE	50	U	
ATRAZINE	50	U	

nsample	PCYS10Z506
samp_date	4/30/2003
lab_id	WT0984-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZALDEHYDE	50	UJ	C
BENZO(A)ANTHRACENE	50	U	
BENZO(A)PYRENE	50	U	
BENZO(B)FLUORANTHENE	50	U	
BENZO(G,H,I)PERYLENE	50	U	
BENZO(K)FLUORANTHENE	50	U	
BIS(2-CHLOROETHOXY)METHANE	50	U	
BIS(2-CHLOROETHYL)ETHER	50	U	
BIS(2-ETHYLHEXYL)PHTHALATE	50	U	
BUTYL BENZYL PHTHALATE	50	U	
CAPROLACTAM	50	U	
CARBAZOLE	50	U	
CHRYSENE	50	U	
DIBENZO(A,H)ANTHRACENE	50	U	
DIBENZOFURAN	50	U	
DIETHYL PHTHALATE	50	U	
DIMETHYL PHTHALATE	50	U	
DI-N-BUTYL PHTHALATE	50	U	
DI-N-OCTYL PHTHALATE	50	U	
FLUORANTHENE	50	U	
FLUORENE	50	U	
HEXACHLOROBENZENE	50	U	
HEXACHLOROBUTADIENE	50	U	
HEXACHLOROCYCLOPENTADIENE	50	UJ	C
HEXACHLOROETHANE	50	U	
INDENO(1,2,3-CD)PYRENE	50	U	
ISOPHORONE	50	U	
NAPHTHALENE	50	U	
NITROBENZENE	50	U	
N-NITROSO-DI-N-PROPYLAMINE	50	U	

nsample	PCYS10Z506
samp_date	4/30/2003
lab_id	WT0984-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSODIPHENYLAMINE	50	U	
PENTACHLOROPHENOL	120	U	
PHENANTHRENE	50	U	
PHENOL	50	U	
PYRENE	50	U	

PROJ_NO: 9061

SDG: WT0984 MEDIA: TCLP DATA FRACTION: TCLPS

nsample	PCYS10Z906	nsample	PCYS10Z906	nsample	PCYS10Z906
samp_date	4/30/2003	samp_date	4/30/2003	samp_date	4/30/2003
lab_id	WT0984-7	lab_id	WT0984-7	lab_id	WT0984-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	50	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	50	U	
2,4,5-TRICHLOROPHENOL	120	UR	R
2,4,6-TRICHLOROPHENOL	50	UR	R
2,4-DICHLOROPHENOL	50	UR	R
2,4-DIMETHYLPHENOL	50	UR	R
2,4-DINITROPHENOL	120	UR	R
2,4-DINITROTOLUENE	50	U	
2,6-DINITROTOLUENE	50	U	
2-CHLORONAPHTHALENE	50	U	
2-CHLOROPHENOL	50	UR	R
2-METHYLNAPHTHALENE	50	U	
2-METHYLPHENOL	50	UR	R
2-NITROANILINE	120	U	
2-NITROPHENOL	50	UR	R
3,3'-DICHLOROBENZIDINE	50	U	
3-NITROANILINE	120	U	
4,6-DINITRO-2-METHYLPHENOL	120	UR	R
4-BROMOPHENYL PHENYL ETHER	50	U	
4-CHLORO-3-METHYLPHENOL	50	UR	R
4-CHLOROANILINE	50	U	
4-CHLOROPHENYL PHENYL ETHER	50	U	
4-METHYLPHENOL	50	UR	R
4-NITROANILINE	120	U	
4-NITROPHENOL	120	UR	R
ACENAPHTHENE	50	U	
ACENAPHTHYLENE	50	U	
ACETOPHENONE	50	U	
ANTHRACENE	50	U	
ATRAZINE	50	U	

Parameter	Result	Val Qual	Qual Code
BENZALDEHYDE	50	UJ	C
BENZO(A)ANTHRACENE	50	U	
BENZO(A)PYRENE	50	U	
BENZO(B)FLUORANTHENE	50	U	
BENZO(G,H,I)PERYLENE	50	U	
BENZO(K)FLUORANTHENE	50	U	
BIS(2-CHLOROETHOXY)METHANE	50	U	
BIS(2-CHLOROETHYL)ETHER	50	U	
BIS(2-ETHYLHEXYL)PHTHALATE	50	U	
BUTYL BENZYL PHTHALATE	50	U	
CAPROLACTAM	50	U	
CARBAZOLE	50	U	
CHRYSENE	50	U	
DIBENZO(A,H)ANTHRACENE	50	U	
DIBENZOFURAN	50	U	
DIETHYL PHTHALATE	50	U	
DIMETHYL PHTHALATE	50	U	
DI-N-BUTYL PHTHALATE	50	U	
DI-N-OCTYL PHTHALATE	50	U	
FLUORANTHENE	50	U	
FLUORENE	50	U	
HEXACHLOROBENZENE	50	U	
HEXACHLOROBUTADIENE	50	U	
HEXACHLOROCYCLOPENTADIENE	50	UJ	C
HEXACHLOROETHANE	50	U	
INDENO(1,2,3-CD)PYRENE	50	U	
ISOPHORONE	50	U	
NAPHTHALENE	50	U	
NITROBENZENE	50	U	
N-NITROSO-DI-N-PROPYLAMINE	50	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSODIPHENYLAMINE	50	U	
PENTACHLOROPHENOL	120	UR	R
PHENANTHRENE	50	U	
PHENOL	50	UR	R
PYRENE	50	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 87.2

Lab ID: WT0984-1
Client ID: PCYS10Z306
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	7	1.0	5	7	2
74-87-3	Chloromethane	U	7	1.0	5	7	4
75-01-4	Vinyl chloride	U	7	1.0	5	7	2
74-83-9	Bromomethane	U	7	1.0	5	7	3
75-00-3	Chloroethane	U	7	1.0	5	7	3
75-69-4	Trichlorofluoromethane		9	1.0	5	7	3
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	2
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	U	7	1.0	5	7	5
67-64-1	Acetone	U	27	1.0	20	27	12
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	2
1634-04-4	Methyl tert-butyl ether	U	7	1.0	5	7	2
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	2
156-59-2	cis-1,2-Dichloroethene	U	7	1.0	5	7	2
540-59-0	1,2-Dichloroethylene (total)	U	14	1.0	10	14	4
67-66-3	Chloroform	U	7	1.0	5	7	1
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	2
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	2
78-93-3	2-Butanone	U	27	1.0	20	27	10
71-43-2	Benzene	U	7	1.0	5	7	2
1735-17-7	Cyclohexane	U	7	1.0	5	7	2
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	2
79-01-6	Trichloroethene	U	7	1.0	5	7	3
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	3
75-27-4	Bromodichloromethane	U	7	1.0	5	7	1
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	3
108-88-3	Toluene	U	7	1.0	5	7	3
108-10-1	4-methyl-2-pentanone	U	27	1.0	20	27	16
127-18-4	Tetrachloroethene	J	4	1.0	5	7	2
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	2
79-00-5	1,1,2-Trichloroethane	U	7	1.0	5	7	2
124-48-1	Dibromochloromethane	U	7	1.0	5	7	2
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	2
591-78-6	2-Hexanone	U	27	1.0	20	27	12
108-90-7	Chlorobenzene	U	7	1.0	5	7	1
100-41-4	Ethylbenzene	U	7	1.0	5	7	2
1330-20-7	Xylenes (total)	U	20	1.0	15	20	4
	m+p-Xylenes	U	14	1.0	10	14	3
95-47-6	o-Xylene	U	7	1.0	5	7	1
100-42-5	Styrene	U	7	1.0	5	7	1
75-25-2	Bromoform	U	7	1.0	5	7	2
98-82-8	Isopropylbenzene	U	7	1.0	5	7	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 87.2

Lab ID: WT0984-1
Client ID: PCYS10Z306
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	3
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	2
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	2
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	2
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	4
79-20-9	Methyl Acetate	U	7	1.0	5	7	5
108-87-2	Methylcyclohexane	U	7	1.0	5	7	2
1868-53-7	Dibromofluoromethane		117%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 90.0

Lab ID: WT0984-2
Client ID: PCYS10Z904
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	7	1.0	5	7	2
74-87-3	Chloromethane	U	7	1.0	5	7	4
75-01-4	Vinyl chloride	U	7	1.0	5	7	2
74-83-9	Bromomethane	U	7	1.0	5	7	3
75-00-3	Chloroethane	U	7	1.0	5	7	3
75-69-4	Trichlorofluoromethane	U	7	1.0	5	7	3
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	2
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	U	7	1.0	5	7	5
67-64-1	Acetone	U	26	1.0	20	26	12
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	2
1634-04-4	Methyl tert-butyl ether	U	7	1.0	5	7	2
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	2
156-59-2	cis-1,2-Dichloroethene	U	7	1.0	5	7	2
540-59-0	1,2-Dichloroethylene (total)	U	13	1.0	10	13	4
67-66-3	Chloroform	U	7	1.0	5	7	1
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	2
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	2
78-93-3	2-Butanone	U	26	1.0	20	26	10
71-43-2	Benzene	U	7	1.0	5	7	2
1735-17-7	Cyclohexane	U	7	1.0	5	7	2
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	2
79-01-6	Trichloroethene	U	7	1.0	5	7	3
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	3
75-27-4	Bromodichloromethane	U	7	1.0	5	7	1
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	3
108-88-3	Toluene	U	7	1.0	5	7	3
108-10-1	4-methyl-2-pentanone	U	26	1.0	20	26	16
127-18-4	Tetrachloroethene		7	1.0	5	7	2
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	2
79-00-5	1,1,2-Trichloroethane	U	7	1.0	5	7	2
124-48-1	Dibromochloromethane	U	7	1.0	5	7	2
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	2
591-78-6	2-Hexanone	U	26	1.0	20	26	11
108-90-7	Chlorobenzene	U	7	1.0	5	7	1
100-41-4	Ethylbenzene	U	7	1.0	5	7	2
1330-20-7	Xylenes (total)	U	20	1.0	15	20	4
	m+p-Xylenes	U	13	1.0	10	13	3
95-47-6	o-Xylene	U	7	1.0	5	7	1
100-42-5	Styrene	U	7	1.0	5	7	1
75-25-2	Bromoform	U	7	1.0	5	7	2
98-82-8	Isopropylbenzene	U	7	1.0	5	7	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 90.0

Lab ID: WT0984-2
Client ID: PCYS10Z904
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	3
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	2
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	2
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	2
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	3
79-20-9	Methyl Acetate	U	7	1.0	5	7	5
108-87-2	Methylcyclohexane	U	7	1.0	5	7	2
1868-53-7	Dibromofluoromethane		119%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		66%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 86.5

Lab ID: WT0984-3
Client ID: PCYS10Z906
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	7	1.0	5	7	2
74-87-3	Chloromethane	U	7	1.0	5	7	4
75-01-4	Vinyl chloride	U	7	1.0	5	7	2
74-83-9	Bromomethane	U	7	1.0	5	7	3
75-00-3	Chloroethane	U	7	1.0	5	7	4
75-69-4	Trichlorofluoromethane	U	7	1.0	5	7	3
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	2
75-15-0	Carbon Disulfide	U	7	1.0	5	7	2
76-13-1	Freon-113	U	7	1.0	5	7	3
75-09-2	Methylene Chloride	U	7	1.0	5	7	6
67-64-1	Acetone	U	28	1.0	20	28	12
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	2
1634-04-4	Methyl tert-butyl ether	U	7	1.0	5	7	2
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	2
156-59-2	cis-1,2-Dichloroethene	U	7	1.0	5	7	2
540-59-0	1,2-Dichloroethylene (total)	U	14	1.0	10	14	4
67-66-3	Chloroform	U	7	1.0	5	7	1
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	2
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	2
78-93-3	2-Butanone	U	28	1.0	20	28	10
71-43-2	Benzene	U	7	1.0	5	7	2
1735-17-7	Cyclohexane	U	7	1.0	5	7	2
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	2
79-01-6	Trichloroethene	U	7	1.0	5	7	3
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	3
75-27-4	Bromodichloromethane	U	7	1.0	5	7	1
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	3
108-88-3	Toluene	U	7	1.0	5	7	3
108-10-1	4-methyl-2-pentanone	U	28	1.0	20	28	17
127-18-4	Tetrachloroethene	U	7	1.0	5	7	2
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	3
79-00-5	1,1,2-Trichloroethane	U	7	1.0	5	7	2
124-48-1	Dibromochloromethane	U	7	1.0	5	7	2
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	2
591-78-6	2-Hexanone	U	28	1.0	20	28	12
108-90-7	Chlorobenzene	U	7	1.0	5	7	1
100-41-4	Ethylbenzene	U	7	1.0	5	7	2
1330-20-7	Xylenes (total)	U	21	1.0	15	21	4
	m+p-Xylenes	U	14	1.0	10	14	3
95-47-6	o-Xylene	U	7	1.0	5	7	1
100-42-5	Styrene	U	7	1.0	5	7	1
75-25-2	Bromoform	U	7	1.0	5	7	2
98-82-8	Isopropylbenzene	U	7	1.0	5	7	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 86.5

Lab ID: WT0984-3
Client ID: PCYS10Z906
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	3
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	2
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	2
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	2
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	4
79-20-9	Methyl Acetate	U	7	1.0	5	7	5
108-87-2	Methylcyclohexane	U	7	1.0	5	7	2
1868-53-7	Dibromofluoromethane		109%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 84.1

Lab ID: WT0984-4
Client ID: PCYS10Z1404
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	7	1.0	5	7	2
74-87-3	Chloromethane	U	7	1.0	5	7	4
75-01-4	Vinyl chloride	U	7	1.0	5	7	2
74-83-9	Bromomethane	U	7	1.0	5	7	3
75-00-3	Chloroethane	U	7	1.0	5	7	4
75-69-4	Trichlorofluoromethane		30	1.0	5	7	3
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	2
75-15-0	Carbon Disulfide	U	7	1.0	5	7	2
76-13-1	Freon-113	U	7	1.0	5	7	3
75-09-2	Methylene Chloride	U	7	1.0	5	7	6
67-64-1	Acetone	U	28	1.0	20	28	13
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	2
1634-04-4	Methyl tert-butyl ether	U	7	1.0	5	7	3
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	2
156-59-2	cis-1,2-Dichloroethene	U	7	1.0	5	7	2
540-59-0	1,2-Dichloroethylene (total)	U	14	1.0	10	14	4
67-66-3	Chloroform	U	7	1.0	5	7	1
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	2
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	2
78-93-3	2-Butanone	U	28	1.0	20	28	11
71-43-2	Benzene	U	7	1.0	5	7	2
1735-17-7	Cyclohexane	U	7	1.0	5	7	2
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	3
79-01-6	Trichloroethene	U	7	1.0	5	7	3
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	1
75-27-4	Bromodichloromethane	U	7	1.0	5	7	3
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	4
108-88-3	Toluene	U	28	1.0	20	28	17
108-10-1	4-methyl-2-pentanone	U	7	1.0	5	7	2
127-18-4	Tetrachloroethene	U	7	1.0	5	7	3
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	2
79-00-5	1,1,2-Trichloroethane	U	7	1.0	5	7	2
124-48-1	Dibromochloromethane	U	7	1.0	5	7	2
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	2
591-78-6	2-Hexanone	U	28	1.0	20	28	12
108-90-7	Chlorobenzene	U	7	1.0	5	7	2
100-41-4	Ethylbenzene	U	7	1.0	5	7	2
1330-20-7	Xylenes (total)	U	21	1.0	15	21	4
	m+p-Xylenes	U	14	1.0	10	14	3
95-47-6	o-Xylene	U	7	1.0	5	7	1
100-42-5	Styrene	U	7	1.0	5	7	1
75-25-2	Bromoform	U	7	1.0	5	7	2
98-82-8	Isopropylbenzene	U	7	1.0	5	7	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 84.1

Lab ID: WT0984-4
Client ID: PCYS10Z1404
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	3
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	2
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	2
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	3
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	4
79-20-9	Methyl Acetate	U	7	1.0	5	7	5
108-87-2	Methylcyclohexane	U	7	1.0	5	7	2
1868-53-7	Dibromofluoromethane		109%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 84.5

Lab ID: WT0984-5
Client ID: PCYS10Z1406
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	7	1.0	5	7	2
74-87-3	Chloromethane	U	7	1.0	5	7	4
75-01-4	Vinyl chloride	U	7	1.0	5	7	2
74-83-9	Bromomethane	U	7	1.0	5	7	3
75-00-3	Chloroethane	U	7	1.0	5	7	4
75-69-4	Trichlorofluoromethane	U	7	1.0	5	7	3
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	2
75-15-0	Carbon Disulfide	U	7	1.0	5	7	2
76-13-1	Freon-113	U	7	1.0	5	7	3
75-09-2	Methylene Chloride	U	7	1.0	5	7	6
67-64-1	Acetone	U	28	1.0	20	28	13
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	2
1634-04-4	Methyl tert-butyl ether	U	7	1.0	5	7	3
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	2
156-59-2	cis-1,2-Dichloroethene	U	7	1.0	5	7	2
540-59-0	1,2-Dichloroethylene (total)	U	14	1.0	10	14	4
67-66-3	Chloroform	U	7	1.0	5	7	1
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	2
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	2
78-93-3	2-Butanone	U	28	1.0	20	28	10
71-43-2	Benzene	U	7	1.0	5	7	2
1735-17-7	Cyclohexane	U	7	1.0	5	7	2
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	2
79-01-6	Trichloroethene	U	7	1.0	5	7	3
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	3
75-27-4	Bromodichloromethane	U	7	1.0	5	7	1
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	3
108-88-3	Toluene	U	7	1.0	5	7	4
108-10-1	4-methyl-2-pentanone	U	28	1.0	20	28	17
127-18-4	Tetrachloroethene	U	7	1.0	5	7	2
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	3
79-00-5	1,1,2-Trichloroethane	U	7	1.0	5	7	2
124-48-1	Dibromochloromethane	U	7	1.0	5	7	2
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	2
591-78-6	2-Hexanone	U	28	1.0	20	28	12
108-90-7	Chlorobenzene	U	7	1.0	5	7	2
100-41-4	Ethylbenzene	U	7	1.0	5	7	2
1330-20-7	Xylenes (total)	J	16	1.0	15	21	4
	m+p-Xylenes	U	14	1.0	10	14	3
95-47-6	o-Xylene		16	1.0	5	7	1
100-42-5	Styrene	U	7	1.0	5	7	1
75-25-2	Bromoform	U	7	1.0	5	7	2
98-82-8	Isopropylbenzene	U	7	1.0	5	7	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 84.5

Lab ID: WT0984-5
Client ID: PCYS10Z1406
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	3
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	2
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	2
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	3
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	4
79-20-9	Methyl Acetate	U	7	1.0	5	7	5
108-87-2	Methylcyclohexane	U	7	1.0	5	7	2
1868-53-7	Dibromofluoromethane		107%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		84%				
460-00-4	P-Bromofluorobenzene		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 81.6

Lab ID: WT0984-6
Client ID: PCYS10Z506
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	7	1.0	5	7	2
74-87-3	Chloromethane	U	7	1.0	5	7	4
75-01-4	Vinyl chloride	U	7	1.0	5	7	2
74-83-9	Bromomethane	U	7	1.0	5	7	3
75-00-3	Chloroethane	U	7	1.0	5	7	4
75-69-4	Trichlorofluoromethane	U	7	1.0	5	7	3
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	2
75-15-0	Carbon Disulfide	U	7	1.0	5	7	2
76-13-1	Freon-113	U	7	1.0	5	7	3
75-09-2	Methylene Chloride	U	7	1.0	5	7	6
67-64-1	Acetone	U	29	1.0	20	29	13
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	2
1634-04-4	Methyl tert-butyl ether	U	7	1.0	5	7	3
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	2
156-59-2	cis-1,2-Dichloroethene	U	7	1.0	5	7	2
540-59-0	1,2-Dichloroethylene (total)	U	14	1.0	10	14	4
67-66-3	Chloroform	U	7	1.0	5	7	1
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	2
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	2
78-93-3	2-Butanone	U	29	1.0	20	29	11
71-43-2	Benzene	U	7	1.0	5	7	2
1735-17-7	Cyclohexane	U	7	1.0	5	7	2
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	2
79-01-6	Trichloroethene	U	7	1.0	5	7	3
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	3
75-27-4	Bromodichloromethane	U	7	1.0	5	7	1
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	3
108-88-3	Toluene	U	7	1.0	5	7	4
108-10-1	4-methyl-2-pentanone	U	29	1.0	20	29	18
127-18-4	Tetrachloroethene	U	7	1.0	5	7	2
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	3
79-00-5	1,1,2-Trichloroethane	U	7	1.0	5	7	2
124-48-1	Dibromochloromethane	U	7	1.0	5	7	2
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	3
591-78-6	2-Hexanone	U	29	1.0	20	29	12
108-90-7	Chlorobenzene	U	7	1.0	5	7	2
100-41-4	Ethylbenzene	U	7	1.0	5	7	2
1330-20-7	Xylenes (total)	U	22	1.0	15	22	4
	m+p-Xylenes	U	14	1.0	10	14	3
95-47-6	o-Xylene	U	7	1.0	5	7	1
100-42-5	Styrene	U	7	1.0	5	7	1
75-25-2	Bromoform	U	7	1.0	5	7	2
98-82-8	Isopropylbenzene	U	7	1.0	5	7	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 81.6

Lab ID: WT0984-6
Client ID: PCYS10Z506
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	4
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	2
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	2
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	3
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	4
79-20-9	Methyl Acetate	U	7	1.0	5	7	5
108-87-2	Methylcyclohexane	U	7	1.0	5	7	2
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		87%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-7
Client ID: PCYS10Z906
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	J	3	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.3
	m+p-Xylenes	U	10	1.0	10	10	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-7
Client ID: PCYS102906
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		78%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-8
Client ID: PCYS10Z1404
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	J	3	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.3
	m+p-Xylenes	U	10	1.0	10	10	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-8
Client ID: PCYS10Z1404
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	J	0.2	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		112%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		114%				
460-00-4	P-Bromofluorobenzene		116%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-9
Client ID: PCYS10Z506
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	J	4	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether		33	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	J	0.5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	J	3	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene		43	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	J	0.8	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	J	3	1.0	5	5	0.1
1330-20-7	Xylenes (total)		17	1.0	15	15	0.3
	m+p-Xylenes		11	1.0	10	10	0.2
95-47-6	o-Xylene		6	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-9
Client ID: PCYS10Z506
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		106%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/30/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 87.2

Lab ID: WT0984-1DL2
Client ID: PCYS10Z306
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	760	2.0	330	760	54
111-44-4	Bis(2-Chloroethyl)ether	U	760	2.0	330	760	41
95-57-8	2-Chlorophenol	U	760	2.0	330	760	50
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	760	2.0	330	760	37
95-48-7	2-Methylphenol	U	760	2.0	330	760	47
67-72-1	Hexachloroethane	U	760	2.0	330	760	25
621-64-7	N-Nitroso-di-n-propylamine	U	760	2.0	330	760	34
106-44-5	4-Methylphenol	U	760	2.0	330	760	44
98-95-3	Nitrobenzene	U	760	2.0	330	760	38
78-59-1	Isophorone	U	760	2.0	330	760	22
88-75-5	2-Nitrophenol	U	760	2.0	330	760	62
105-67-9	2,4-Dimethylphenol	U	760	2.0	330	760	91
111-91-1	Bis(2-Chloroethoxy)methane	U	760	2.0	330	760	35
120-83-2	2,4-Dichlorophenol	U	760	2.0	330	760	50
91-20-3	Naphthalene	U	760	2.0	330	760	26
106-47-8	4-Chloroaniline	U	760	2.0	330	760	26
87-68-3	Hexachlorobutadiene	U	760	2.0	330	760	28
59-50-7	4-Chloro-3-Methylphenol	U	760	2.0	330	760	69
91-57-6	2-Methylnaphthalene	U	760	2.0	330	760	31
77-47-4	Hexachlorocyclopentadiene	U	760	2.0	330	760	38
88-06-2	2,4,6-Trichlorophenol	U	760	2.0	330	760	71
95-95-4	2,4,5-Trichlorophenol	U	1900	2.0	820	1900	66
91-58-7	2-Chloronaphthalene	U	760	2.0	330	760	34
88-74-4	2-Nitroaniline	U	1900	2.0	820	1900	31
208-96-8	Acenaphthylene	U	760	2.0	330	760	28
131-11-3	Dimethyl Phthalate	U	760	2.0	330	760	170
606-20-2	2,6-Dinitrotoluene	U	760	2.0	330	760	30
83-32-9	Acenaphthene	U	760	2.0	330	760	38
99-09-2	3-Nitroaniline	U	1900	2.0	820	1900	110
51-28-5	2,4-Dinitrophenol	U	1900	2.0	820	1900	190
132-64-9	Dibenzofuran	U	760	2.0	330	760	26
100-02-7	4-Nitrophenol	U	1900	2.0	820	1900	160
121-14-2	2,4-Dinitrotoluene	U	760	2.0	330	760	26
86-73-7	Fluorene	U	760	2.0	330	760	38
84-66-2	Diethylphthalate	U	760	2.0	330	760	31
7005-72-3	4-Chlorophenyl-phenylether	U	760	2.0	330	760	40
100-01-6	4-Nitroaniline	U	1900	2.0	820	1900	130
534-52-1	4,6-Dinitro-2-Methylphenol	U	1900	2.0	820	1900	160
86-30-6	N-Nitrosodiphenylamine	U	760	2.0	330	760	70
101-55-3	4-Bromophenyl-phenylether	U	760	2.0	330	760	38
118-74-1	Hexachlorobenzene	U	760	2.0	330	760	47
87-86-5	Pentachlorophenol	U	1900	2.0	820	1900	140
85-01-8	Phenanthrene	U	760	2.0	330	760	37

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/30/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 87.2

Lab ID: WT0984-1DL2
Client ID: PCYS10Z306
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	760	2.0	330	760	33
86-74-8	Carbazole	U	760	2.0	330	760	45
84-74-2	Di-n-butylphthalate	U	760	2.0	330	760	160
206-44-0	Fluoranthene	U	760	2.0	330	760	41
129-00-0	Pyrene	J	140	2.0	330	760	59
85-68-7	Butylbenzylphthalate	U	760	2.0	330	760	51
56-55-3	Benzo(a)anthracene	U	760	2.0	330	760	38
218-01-9	Chrysene	U	760	2.0	330	760	41
91-94-1	3,3'-Dichlorobenzidine	U	760	2.0	330	760	140
117-81-7	bis(2-Ethylhexyl)phthalate	J	320	2.0	330	760	60
117-84-0	Di-n-octylphthalate	U	760	2.0	330	760	38
205-99-2	Benzo(b)fluoranthene	U	760	2.0	330	760	28
207-08-9	Benzo(k)fluoranthene	U	760	2.0	330	760	49
50-32-8	Benzo(a)pyrene	U	760	2.0	330	760	38
193-39-5	Indeno(1,2,3-cd)pyrene	U	760	2.0	330	760	45
53-70-3	Dibenzo(a,h)anthracene	U	760	2.0	330	760	49
191-24-2	Benzo(g,h,i)perylene	U	760	2.0	330	760	51
100-52-7	Benzaldehyde	U	760	2.0	330	760	0.00
98-96-2	Acetophenone	U	760	2.0	330	760	0.00
105-60-2	Caprolactam	U	760	2.0	330	760	0.00
92-52-4	1,1'-Biphenyl	U	760	2.0	330	760	0.00
1912-24-9	Atrazine	U	760	2.0	330	760	0.00
367-12-4	2-Fluorophenol		85%				
13127-88-3	Phenol-D6		77%				
4165-60-0	Nitrobenzene-D5		103%				
321-60-8	2-Fluorobiphenyl		92%				
118-79-6	2,4,6-Tribromophenol		92%				
1718-51-0	Terphenyl-D14		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/29/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 90.0

Lab ID: WT0984-2
Client ID: PCYS10Z904
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	370	1.0	330	370	26
111-44-4	Bis(2-Chloroethyl)ether	U	370	1.0	330	370	20
95-57-8	2-Chlorophenol	U	370	1.0	330	370	24
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	370	1.0	330	370	18
95-48-7	2-Methylphenol	U	370	1.0	330	370	23
67-72-1	Hexachloroethane	U	370	1.0	330	370	12
621-64-7	N-Nitroso-di-n-propylamine	U	370	1.0	330	370	16
106-44-5	4-Methylphenol	U	370	1.0	330	370	21
98-95-3	Nitrobenzene	U	370	1.0	330	370	18
78-59-1	Isophorone	U	370	1.0	330	370	10
88-75-5	2-Nitrophenol	U	370	1.0	330	370	30
105-67-9	2,4-Dimethylphenol	U	370	1.0	330	370	44
111-91-1	Bis(2-Chloroethoxy)methane	U	370	1.0	330	370	17
120-83-2	2,4-Dichlorophenol	U	370	1.0	330	370	24
91-20-3	Naphthalene	U	370	1.0	330	370	12
106-47-8	4-Chloroaniline	U	370	1.0	330	370	12
87-68-3	Hexachlorobutadiene	U	370	1.0	330	370	13
59-50-7	4-Chloro-3-Methylphenol	U	370	1.0	330	370	34
91-57-6	2-Methylnaphthalene	U	370	1.0	330	370	15
77-47-4	Hexachlorocyclopentadiene	U	370	1.0	330	370	18
88-06-2	2,4,6-Trichlorophenol	U	370	1.0	330	370	34
95-95-4	2,4,5-Trichlorophenol	U	910	1.0	820	910	32
91-58-7	2-Chloronaphthalene	U	370	1.0	330	370	16
88-74-4	2-Nitroaniline	U	910	1.0	820	910	15
208-96-8	Acenaphthylene	U	370	1.0	330	370	13
131-11-3	Dimethyl Phthalate	U	370	1.0	330	370	82
606-20-2	2,6-Dinitrotoluene	U	370	1.0	330	370	15
83-32-9	Acenaphthene	U	370	1.0	330	370	18
99-09-2	3-Nitroaniline	U	910	1.0	820	910	52
51-28-5	2,4-Dinitrophenol	U	910	1.0	820	910	94
132-64-9	Dibenzofuran	U	370	1.0	330	370	13
100-02-7	4-Nitrophenol	U	910	1.0	820	910	77
121-14-2	2,4-Dinitrotoluene	U	370	1.0	330	370	12
86-73-7	Fluorene	U	370	1.0	330	370	18
84-66-2	Diethylphthalate	U	370	1.0	330	370	15
7005-72-3	4-Chlorophenyl-phenylether	U	370	1.0	330	370	19
100-01-6	4-Nitroaniline	U	910	1.0	820	910	62
534-52-1	4,6-Dinitro-2-Methylphenol	U	910	1.0	820	910	80
86-30-6	N-Nitrosodiphenylamine	U	370	1.0	330	370	34
101-55-3	4-Bromophenyl-phenylether	U	370	1.0	330	370	18
118-74-1	Hexachlorobenzene	U	370	1.0	330	370	23
87-86-5	Pentachlorophenol	U	910	1.0	820	910	70
85-01-8	Phenanthrene	U	370	1.0	330	370	18

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/29/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 90.0

Lab ID: WT0984-2
Client ID: PCYS10Z904
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	370	1.0	330	370	16
86-74-8	Carbazole	U	370	1.0	330	370	22
84-74-2	Di-n-butylphthalate	U	370	1.0	330	370	76
206-44-0	Fluoranthene	U	370	1.0	330	370	20
129-00-0	Pyrene	U	370	1.0	330	370	28
85-68-7	Butylbenzylphthalate	U	370	1.0	330	370	25
56-55-3	Benzo(a)anthracene	U	370	1.0	330	370	18
218-01-9	Chrysene	U	370	1.0	330	370	20
91-94-1	3,3'-Dichlorobenzidine	U	370	1.0	330	370	71
117-81-7	bis(2-Ethylhexyl)phthalate		960	1.0	330	370	29
117-84-0	Di-n-octylphthalate	U	370	1.0	330	370	18
205-99-2	Benzo(b)fluoranthene	U	370	1.0	330	370	14
207-08-9	Benzo(k)fluoranthene	U	370	1.0	330	370	24
50-32-8	Benzo(a)pyrene	U	370	1.0	330	370	19
193-39-5	Indeno(1,2,3-cd)pyrene	U	370	1.0	330	370	22
53-70-3	Dibenzo(a,h)anthracene	U	370	1.0	330	370	24
191-24-2	Benzo(g,h,i)perylene	U	370	1.0	330	370	25
100-52-7	Benzaldehyde	U	370	1.0	330	370	0.00
98-96-2	Acetophenone	U	370	1.0	330	370	0.00
105-60-2	Caprolactam	U	370	1.0	330	370	0.00
92-52-4	1,1'-Biphenyl	U	370	1.0	330	370	0.00
1912-24-9	Atrazine	U	370	1.0	330	370	0.00
367-12-4	2-Fluorophenol		66%				
13127-88-3	Phenol-D6		71%				
4165-60-0	Nitrobenzene-D5		93%				
321-60-8	2-Fluorobiphenyl		86%				
118-79-6	2,4,6-Tribromophenol		71%				
1718-51-0	Terphenyl-D14		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/30/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 90.0

Lab ID: WT0984-2RA
Client ID: PCYS10Z904
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	370	1.0	330	370	26
111-44-4	Bis(2-Chloroethyl)ether	U	370	1.0	330	370	20
95-57-8	2-Chlorophenol	U	370	1.0	330	370	24
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	370	1.0	330	370	18
95-48-7	2-Methylphenol	U	370	1.0	330	370	23
67-72-1	Hexachloroethane	U	370	1.0	330	370	12
621-64-7	N-Nitroso-di-n-propylamine	U	370	1.0	330	370	16
106-44-5	4-Methylphenol	U	370	1.0	330	370	21
98-95-3	Nitrobenzene	U	370	1.0	330	370	18
78-59-1	Isophorone	U	370	1.0	330	370	10
88-75-5	2-Nitrophenol	U	370	1.0	330	370	30
105-67-9	2,4-Dimethylphenol	U	370	1.0	330	370	44
111-91-1	Bis(2-Chloroethoxy)methane	U	370	1.0	330	370	17
120-83-2	2,4-Dichlorophenol	U	370	1.0	330	370	24
91-20-3	Naphthalene	U	370	1.0	330	370	12
106-47-8	4-Chloroaniline	U	370	1.0	330	370	12
87-68-3	Hexachlorobutadiene	U	370	1.0	330	370	13
59-50-7	4-Chloro-3-Methylphenol	U	370	1.0	330	370	34
91-57-6	2-Methylnaphthalene	U	370	1.0	330	370	15
77-47-4	Hexachlorocyclopentadiene	U	370	1.0	330	370	18
88-06-2	2,4,6-Trichlorophenol	U	370	1.0	330	370	34
95-95-4	2,4,5-Trichlorophenol	U	910	1.0	820	910	32
91-58-7	2-Chloronaphthalene	U	370	1.0	330	370	16
88-74-4	2-Nitroaniline	U	910	1.0	820	910	15
208-96-8	Acenaphthylene	U	370	1.0	330	370	13
131-11-3	Dimethyl Phthalate	U	370	1.0	330	370	82
606-20-2	2,6-Dinitrotoluene	U	370	1.0	330	370	15
83-32-9	Acenaphthene	U	370	1.0	330	370	18
99-09-2	3-Nitroaniline	U	910	1.0	820	910	52
51-28-5	2,4-Dinitrophenol	U	910	1.0	820	910	94
132-64-9	Dibenzofuran	U	370	1.0	330	370	13
100-02-7	4-Nitrophenol	U	910	1.0	820	910	77
121-14-2	2,4-Dinitrotoluene	U	370	1.0	330	370	12
86-73-7	Fluorene	U	370	1.0	330	370	18
84-66-2	Diethylphthalate	U	370	1.0	330	370	15
7005-72-3	4-Chlorophenyl-phenylether	U	370	1.0	330	370	19
100-01-6	4-Nitroaniline	U	910	1.0	820	910	62
534-52-1	4,6-Dinitro-2-Methylphenol	U	910	1.0	820	910	80
86-30-6	N-Nitrosodiphenylamine	U	370	1.0	330	370	34
101-55-3	4-Bromophenyl-phenylether	U	370	1.0	330	370	18
118-74-1	Hexachlorobenzene	U	370	1.0	330	370	23
87-86-5	Pentachlorophenol	U	910	1.0	820	910	70
85-01-8	Phenanthrene	U	370	1.0	330	370	18

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/30/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 90.0

Lab ID: WT0984-2RA
Client ID: PCYS10Z904
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	370	1.0	330	370	16
86-74-8	Carbazole	U	370	1.0	330	370	22
84-74-2	Di-n-butylphthalate	U	370	1.0	330	370	76
206-44-0	Fluoranthene	U	370	1.0	330	370	20
129-00-0	Pyrene	U	370	1.0	330	370	28
85-68-7	Butylbenzylphthalate	U	370	1.0	330	370	25
56-55-3	Benzo(a)anthracene	U	370	1.0	330	370	18
218-01-9	Chrysene	U	370	1.0	330	370	20
91-94-1	3,3'-Dichlorobenzidine	U	370	1.0	330	370	71
117-81-7	bis(2-Ethylhexyl)phthalate		1100	1.0	330	370	29
117-84-0	Di-n-octylphthalate	U	370	1.0	330	370	18
205-99-2	Benzo(b)fluoranthene	U	370	1.0	330	370	14
207-08-9	Benzo(k)fluoranthene	U	370	1.0	330	370	24
50-32-8	Benzo(a)pyrene	U	370	1.0	330	370	19
193-39-5	Indeno(1,2,3-cd)pyrene	U	370	1.0	330	370	22
53-70-3	Dibenzo(a,h)anthracene	U	370	1.0	330	370	24
191-24-2	Benzo(g,h,i)perylene	U	370	1.0	330	370	25
100-52-7	Benzaldehyde	U	370	1.0	330	370	0.00
98-96-2	Acetophenone	U	370	1.0	330	370	0.00
105-60-2	Caprolactam	U	370	1.0	330	370	0.00
92-52-4	1,1'-Biphenyl	U	370	1.0	330	370	0.00
1912-24-9	Atrazine	U	370	1.0	330	370	0.00
367-12-4	2-Fluorophenol		66%				
13127-88-3	Phenol-D6		72%				
4165-60-0	Nitrobenzene-D5		89%				
321-60-8	2-Fluorobiphenyl		87%				
118-79-6	2,4,6-Tribromophenol		58%				
1718-51-0	Terphenyl-D14		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/29/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 86.5

Lab ID: WT0984-3
Client ID: PCYS10Z906
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	380	1.0	330	380	27
111-44-4	Bis(2-Chloroethyl)ether	U	380	1.0	330	380	20
95-57-8	2-Chlorophenol	U	380	1.0	330	380	25
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	380	1.0	330	380	19
95-48-7	2-Methylphenol	U	380	1.0	330	380	24
67-72-1	Hexachloroethane	U	380	1.0	330	380	13
621-64-7	N-Nitroso-di-n-propylamine	U	380	1.0	330	380	17
106-44-5	4-Methylphenol	U	380	1.0	330	380	22
98-95-3	Nitrobenzene	U	380	1.0	330	380	19
78-59-1	Isophorone	U	380	1.0	330	380	11
88-75-5	2-Nitrophenol	U	380	1.0	330	380	31
105-67-9	2,4-Dimethylphenol	U	380	1.0	330	380	46
111-91-1	Bis(2-Chloroethoxy)methane	U	380	1.0	330	380	18
120-83-2	2,4-Dichlorophenol	U	380	1.0	330	380	25
91-20-3	Naphthalene	U	380	1.0	330	380	13
106-47-8	4-Chloroaniline	U	380	1.0	330	380	13
87-68-3	Hexachlorobutadiene	U	380	1.0	330	380	14
59-50-7	4-Chloro-3-Methylphenol	U	380	1.0	330	380	35
91-57-6	2-Methylnaphthalene	U	380	1.0	330	380	16
77-47-4	Hexachlorocyclopentadiene	U	380	1.0	330	380	19
88-06-2	2,4,6-Trichlorophenol	U	380	1.0	330	380	36
95-95-4	2,4,5-Trichlorophenol	U	950	1.0	820	950	33
91-58-7	2-Chloronaphthalene	U	380	1.0	330	380	17
88-74-4	2-Nitroaniline	U	950	1.0	820	950	16
208-96-8	Acenaphthylene	U	380	1.0	330	380	14
131-11-3	Dimethyl Phthalate	U	380	1.0	330	380	85
606-20-2	2,6-Dinitrotoluene	U	380	1.0	330	380	15
83-32-9	Acenaphthene	U	380	1.0	330	380	19
99-09-2	3-Nitroaniline	U	950	1.0	820	950	54
51-28-5	2,4-Dinitrophenol	U	950	1.0	820	950	98
132-64-9	Dibenzofuran	U	380	1.0	330	380	13
100-02-7	4-Nitrophenol	U	950	1.0	820	950	80
121-14-2	2,4-Dinitrotoluene	U	380	1.0	330	380	13
86-73-7	Fluorene	U	380	1.0	330	380	19
84-66-2	Diethylphthalate	U	380	1.0	330	380	16
7005-72-3	4-Chlorophenyl-phenylether	U	380	1.0	330	380	20
100-01-6	4-Nitroaniline	U	950	1.0	820	950	64
534-52-1	4,6-Dinitro-2-Methylphenol	U	950	1.0	820	950	83
86-30-6	N-Nitrosodiphenylamine	U	380	1.0	330	380	36
101-55-3	4-Bromophenyl-phenylether	U	380	1.0	330	380	19
118-74-1	Hexachlorobenzene	U	380	1.0	330	380	24
87-86-5	Pentachlorophenol	U	950	1.0	820	950	73
85-01-8	Phenanthrene	U	380	1.0	330	380	18

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/29/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 86.5

Lab ID: WT0984-3
Client ID: PCYS10Z906
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	380	1.0	330	380	17
86-74-8	Carbazole	U	380	1.0	330	380	23
84-74-2	Di-n-butylphthalate	U	380	1.0	330	380	79
206-44-0	Fluoranthene	J	42	1.0	330	380	21
129-00-0	Pyrene	J	250	1.0	330	380	30
85-68-7	Butylbenzylphthalate	U	380	1.0	330	380	26
56-55-3	Benzo(a)anthracene	J	95	1.0	330	380	19
218-01-9	Chrysene	U	380	1.0	330	380	21
91-94-1	3,3'-Dichlorobenzidine	U	380	1.0	330	380	74
117-81-7	bis(2-Ethylhexyl)phthalate		420	1.0	330	380	30
117-84-0	Di-n-octylphthalate	U	380	1.0	330	380	19
205-99-2	Benzo(b)fluoranthene	U	380	1.0	330	380	14
207-08-9	Benzo(k)fluoranthene	U	380	1.0	330	380	24
50-32-8	Benzo(a)pyrene	U	380	1.0	330	380	19
193-39-5	Indeno(1,2,3-cd)pyrene	U	380	1.0	330	380	23
53-70-3	Dibenzo(a,h)anthracene	U	380	1.0	330	380	25
191-24-2	Benzo(g,h,i)perylene	U	380	1.0	330	380	26
100-52-7	Benzaldehyde	U	380	1.0	330	380	0.00
98-96-2	Acetophenone	U	380	1.0	330	380	0.00
105-60-2	Caprolactam	U	380	1.0	330	380	0.00
92-52-4	1,1'-Biphenyl	U	380	1.0	330	380	0.00
1912-24-9	Atrazine	U	380	1.0	330	380	0.00
367-12-4	2-Fluorophenol		72%				
13127-88-3	Phenol-D6		73%				
4165-60-0	Nitrobenzene-D5		83%				
321-60-8	2-Fluorobiphenyl		90%				
118-79-6	2,4,6-Tribromophenol		74%				
1718-51-0	Terphenyl-D14		113%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/29/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 84.1

Lab ID: WT0984-4
Client ID: PCYS10Z1404
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	390	1.0	330	390	28
111-44-4	Bis(2-Chloroethyl)ether	U	390	1.0	330	390	21
95-57-8	2-Chlorophenol	U	390	1.0	330	390	26
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	390	1.0	330	390	19
95-48-7	2-Methylphenol	U	390	1.0	330	390	24
67-72-1	Hexachloroethane	U	390	1.0	330	390	13
621-64-7	N-Nitroso-di-n-propylamine	U	390	1.0	330	390	18
106-44-5	4-Methylphenol	U	390	1.0	330	390	23
98-95-3	Nitrobenzene	U	390	1.0	330	390	20
78-59-1	Isophorone	U	390	1.0	330	390	11
88-75-5	2-Nitrophenol	U	390	1.0	330	390	32
105-67-9	2,4-Dimethylphenol	U	390	1.0	330	390	47
111-91-1	Bis(2-Chloroethoxy)methane	U	390	1.0	330	390	18
120-83-2	2,4-Dichlorophenol	U	390	1.0	330	390	26
91-20-3	Naphthalene	U	390	1.0	330	390	13
106-47-8	4-Chloroaniline	U	390	1.0	330	390	13
87-68-3	Hexachlorobutadiene	U	390	1.0	330	390	14
59-50-7	4-Chloro-3-Methylphenol	U	390	1.0	330	390	36
91-57-6	2-Methylnaphthalene	U	390	1.0	330	390	16
77-47-4	Hexachlorocyclopentadiene	U	390	1.0	330	390	20
88-06-2	2,4,6-Trichlorophenol	U	390	1.0	330	390	37
95-95-4	2,4,5-Trichlorophenol	U	970	1.0	820	970	34
91-58-7	2-Chloronaphthalene	U	390	1.0	330	390	18
88-74-4	2-Nitroaniline	U	970	1.0	820	970	16
208-96-8	Acenaphthylene	U	390	1.0	330	390	14
131-11-3	Dimethyl Phthalate	U	390	1.0	330	390	88
606-20-2	2,6-Dinitrotoluene	U	390	1.0	330	390	16
83-32-9	Acenaphthene	U	390	1.0	330	390	20
99-09-2	3-Nitroaniline	U	970	1.0	820	970	56
51-28-5	2,4-Dinitrophenol	U	970	1.0	820	970	100
132-64-9	Dibenzofuran	U	390	1.0	330	390	14
100-02-7	4-Nitrophenol	U	970	1.0	820	970	82
121-14-2	2,4-Dinitrotoluene	U	390	1.0	330	390	13
86-73-7	Fluorene	U	390	1.0	330	390	20
84-66-2	Diethylphthalate	U	390	1.0	330	390	16
7005-72-3	4-Chlorophenyl-phenylether	U	390	1.0	330	390	21
100-01-6	4-Nitroaniline	U	970	1.0	820	970	66
534-52-1	4,6-Dinitro-2-Methylphenol	U	970	1.0	820	970	86
86-30-6	N-Nitrosodiphenylamine	U	390	1.0	330	390	36
101-55-3	4-Bromophenyl-phenylether	U	390	1.0	330	390	20
118-74-1	Hexachlorobenzene	U	390	1.0	330	390	24
87-86-5	Pentachlorophenol	U	970	1.0	820	970	75
85-01-8	Phenanthrene	U	390	1.0	330	390	19

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/29/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 84.1

Lab ID: WT0984-4
Client ID: PCYS10Z1404
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	390	1.0	330	390	17
86-74-8	Carbazole	U	390	1.0	330	390	24
84-74-2	Di-n-butylphthalate	U	390	1.0	330	390	81
206-44-0	Fluoranthene	U	390	1.0	330	390	22
129-00-0	Pyrene	U	390	1.0	330	390	30
85-68-7	Butylbenzylphthalate	U	390	1.0	330	390	26
56-55-3	Benzo(a)anthracene	U	390	1.0	330	390	20
218-01-9	Chrysene	U	390	1.0	330	390	21
91-94-1	3,3'-Dichlorobenzidine	U	390	1.0	330	390	76
117-81-7	bis(2-Ethylhexyl)phthalate	J	76	1.0	330	390	31
117-84-0	Di-n-octylphthalate	U	390	1.0	330	390	20
205-99-2	Benzo(b)fluoranthene	U	390	1.0	330	390	14
207-08-9	Benzo(k)fluoranthene	U	390	1.0	330	390	25
50-32-8	Benzo(a)pyrene	U	390	1.0	330	390	20
193-39-5	Indeno(1,2,3-cd)pyrene	U	390	1.0	330	390	23
53-70-3	Dibenzo(a,h)anthracene	U	390	1.0	330	390	25
191-24-2	Benzo(g,h,i)perylene	U	390	1.0	330	390	26
100-52-7	Benzaldehyde	U	390	1.0	330	390	0.00
98-96-2	Acetophenone	U	390	1.0	330	390	0.00
105-60-2	Caprolactam	U	390	1.0	330	390	0.00
92-52-4	1,1'-Biphenyl	U	390	1.0	330	390	0.00
1912-24-9	Atrazine	U	390	1.0	330	390	0.00
367-12-4	2-Fluorophenol		72%				
13127-88-3	Phenol-D6		71%				
4165-60-0	Nitrobenzene-D5		78%				
321-60-8	2-Fluorobiphenyl		79%				
118-79-6	2,4,6-Tribromophenol		84%				
1718-51-0	Terphenyl-D14		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 84.5

Lab ID: WT0984-5
Client ID: PCYS10Z1406
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	390	1.0	330	390	28
111-44-4	Bis(2-Chloroethyl)ether	U	390	1.0	330	390	21
95-57-8	2-Chlorophenol	U	390	1.0	330	390	26
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	390	1.0	330	390	19
95-48-7	2-Methylphenol	U	390	1.0	330	390	24
67-72-1	Hexachloroethane	U	390	1.0	330	390	13
621-64-7	N-Nitroso-di-n-propylamine	U	390	1.0	330	390	18
106-44-5	4-Methylphenol	U	390	1.0	330	390	23
98-95-3	Nitrobenzene	U	390	1.0	330	390	20
78-59-1	Isophorone	U	390	1.0	330	390	11
88-75-5	2-Nitrophenol	U	390	1.0	330	390	32
105-67-9	2,4-Dimethylphenol	U	390	1.0	330	390	47
111-91-1	Bis(2-Chloroethoxy)methane	U	390	1.0	330	390	18
120-83-2	2,4-Dichlorophenol	U	390	1.0	330	390	26
91-20-3	Naphthalene	U	390	1.0	330	390	13
106-47-8	4-Chloroaniline	U	390	1.0	330	390	13
87-68-3	Hexachlorobutadiene	U	390	1.0	330	390	14
59-50-7	4-Chloro-3-Methylphenol	U	390	1.0	330	390	36
91-57-6	2-Methylnaphthalene	J	380	1.0	330	390	16
77-47-4	Hexachlorocyclopentadiene	U	390	1.0	330	390	20
88-06-2	2,4,6-Trichlorophenol	U	390	1.0	330	390	37
95-95-4	2,4,5-Trichlorophenol	U	970	1.0	820	970	34
91-58-7	2-Chloronaphthalene	U	390	1.0	330	390	17
88-74-4	2-Nitroaniline	U	970	1.0	820	970	16
208-96-8	Acenaphthylene	U	390	1.0	330	390	14
131-11-3	Dimethyl Phthalate	U	390	1.0	330	390	87
606-20-2	2,6-Dinitrotoluene	U	390	1.0	330	390	16
83-32-9	Acenaphthene	U	390	1.0	330	390	20
99-09-2	3-Nitroaniline	U	970	1.0	820	970	55
51-28-5	2,4-Dinitrophenol	U	970	1.0	820	970	100
132-64-9	Dibenzofuran	U	390	1.0	330	390	13
100-02-7	4-Nitrophenol	U	970	1.0	820	970	82
121-14-2	2,4-Dinitrotoluene	U	390	1.0	330	390	13
86-73-7	Fluorene	U	390	1.0	330	390	20
84-66-2	Diethylphthalate	U	390	1.0	330	390	16
7005-72-3	4-Chlorophenyl-phenylether	U	390	1.0	330	390	20
100-01-6	4-Nitroaniline	U	970	1.0	820	970	66
534-52-1	4,6-Dinitro-2-Methylphenol	U	970	1.0	820	970	85
86-30-6	N-Nitrosodiphenylamine	U	390	1.0	330	390	36
101-55-3	4-Bromophenyl-phenylether	U	390	1.0	330	390	19
118-74-1	Hexachlorobenzene	U	390	1.0	330	390	24
87-86-5	Pentachlorophenol	U	970	1.0	820	970	75
85-01-8	Phenanthrene	J	100	1.0	330	390	19

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 84.5

Lab ID: WT0984-5
Client ID: PCYS10Z1406
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	390	1.0	330	390	17
86-74-8	Carbazole	U	390	1.0	330	390	23
84-74-2	Di-n-butylphthalate	U	390	1.0	330	390	81
206-44-0	Fluoranthene	U	390	1.0	330	390	21
129-00-0	Pyrene	J	120	1.0	330	390	30
85-68-7	Butylbenzylphthalate	U	390	1.0	330	390	26
56-55-3	Benzo(a)anthracene	U	390	1.0	330	390	20
218-01-9	Chrysene	U	390	1.0	330	390	21
91-94-1	3,3'-Dichlorobenzidine	U	390	1.0	330	390	75
117-81-7	bis(2-Ethylhexyl)phthalate		420	1.0	330	390	31
117-84-0	Di-n-octylphthalate	U	390	1.0	330	390	20
205-99-2	Benzo(b)fluoranthene	U	390	1.0	330	390	14
207-08-9	Benzo(k)fluoranthene	U	390	1.0	330	390	25
50-32-8	Benzo(a)pyrene	U	390	1.0	330	390	20
193-39-5	Indeno(1,2,3-cd)pyrene	U	390	1.0	330	390	23
53-70-3	Dibenzo(a,h)anthracene	U	390	1.0	330	390	25
191-24-2	Benzo(g,h,i)perylene	U	390	1.0	330	390	26
100-52-7	Benzaldehyde	U	390	1.0	330	390	0.00
98-96-2	Acetophenone	J	280	1.0	330	390	0.00
105-60-2	Caprolactam	U	390	1.0	330	390	0.00
92-52-4	1,1'-Biphenyl	U	390	1.0	330	390	0.00
1912-24-9	Atrazine	U	390	1.0	330	390	0.00
367-12-4	2-Fluorophenol		88%				
13127-88-3	Phenol-D6		86%				
4165-60-0	Nitrobenzene-D5		105%				
321-60-8	2-Fluorobiphenyl		104%				
118-79-6	2,4,6-Tribromophenol		96%				
1718-51-0	Terphenyl-D14		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 81.6

Lab ID: WT0984-6
Client ID: PCYS10Z506
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	400	1.0	330	400	29
111-44-4	Bis(2-Chloroethyl)ether	U	400	1.0	330	400	22
95-57-8	2-Chlorophenol	U	400	1.0	330	400	27
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	400	1.0	330	400	20
95-48-7	2-Methylphenol	U	400	1.0	330	400	25
67-72-1	Hexachloroethane	U	400	1.0	330	400	14
621-64-7	N-Nitroso-di-n-propylamine	U	400	1.0	330	400	18
106-44-5	4-Methylphenol	U	400	1.0	330	400	24
98-95-3	Nitrobenzene	U	400	1.0	330	400	20
78-59-1	Isophorone	U	400	1.0	330	400	12
88-75-5	2-Nitrophenol	U	400	1.0	330	400	33
105-67-9	2,4-Dimethylphenol	U	400	1.0	330	400	48
111-91-1	Bis(2-Chloroethoxy)methane	U	400	1.0	330	400	19
120-83-2	2,4-Dichlorophenol	U	400	1.0	330	400	27
91-20-3	Naphthalene	U	400	1.0	330	400	14
106-47-8	4-Chloroaniline	U	400	1.0	330	400	14
87-68-3	Hexachlorobutadiene	U	400	1.0	330	400	15
59-50-7	4-Chloro-3-Methylphenol	U	400	1.0	330	400	37
91-57-6	2-Methylnaphthalene	U	400	1.0	330	400	16
77-47-4	Hexachlorocyclopentadiene	U	400	1.0	330	400	20
88-06-2	2,4,6-Trichlorophenol	U	400	1.0	330	400	38
95-95-4	2,4,5-Trichlorophenol	U	1000	1.0	820	1000	35
91-58-7	2-Chloronaphthalene	U	400	1.0	330	400	18
88-74-4	2-Nitroaniline	U	1000	1.0	820	1000	17
208-96-8	Acenaphthylene	U	400	1.0	330	400	15
131-11-3	Dimethyl Phthalate	U	400	1.0	330	400	90
606-20-2	2,6-Dinitrotoluene	U	400	1.0	330	400	16
83-32-9	Acenaphthene	J	33	1.0	330	400	20
99-09-2	3-Nitroaniline	U	1000	1.0	820	1000	57
51-28-5	2,4-Dinitrophenol	U	1000	1.0	820	1000	100
132-64-9	Dibenzofuran	U	400	1.0	330	400	14
100-02-7	4-Nitrophenol	U	1000	1.0	820	1000	85
121-14-2	2,4-Dinitrotoluene	U	400	1.0	330	400	14
86-73-7	Fluorene	J	25	1.0	330	400	20
84-66-2	Diethylphthalate	U	400	1.0	330	400	17
7005-72-3	4-Chlorophenyl-phenylether	U	400	1.0	330	400	21
100-01-6	4-Nitroaniline	U	1000	1.0	820	1000	68
534-52-1	4,6-Dinitro-2-Methylphenol	U	1000	1.0	820	1000	88
86-30-6	N-Nitrosodiphenylamine	U	400	1.0	330	400	38
101-55-3	4-Bromophenyl-phenylether	U	400	1.0	330	400	20
118-74-1	Hexachlorobenzene	U	400	1.0	330	400	25
87-86-5	Pentachlorophenol	U	1000	1.0	820	1000	77
85-01-8	Phenanthrene	J	43	1.0	330	400	20

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/13/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 81.6

Lab ID: WT0984-6
Client ID: PCYS10Z506
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	400	1.0	330	400	18
86-74-8	Carbazole	U	400	1.0	330	400	24
84-74-2	Di-n-butylphthalate	U	400	1.0	330	400	84
206-44-0	Fluoranthene	U	400	1.0	330	400	22
129-00-0	Pyrene	J	49	1.0	330	400	32
85-68-7	Butylbenzylphthalate	U	400	1.0	330	400	27
56-55-3	Benzo(a)anthracene	U	400	1.0	330	400	20
218-01-9	Chrysene	J	45	1.0	330	400	22
91-94-1	3,3'-Dichlorobenzidine	U	400	1.0	330	400	78
117-81-7	bis(2-Ethylhexyl)phthalate	J	96	1.0	330	400	32
117-84-0	Di-n-octylphthalate	U	400	1.0	330	400	20
205-99-2	Benzo(b)fluoranthene	U	400	1.0	330	400	15
207-08-9	Benzo(k)fluoranthene	U	400	1.0	330	400	26
50-32-8	Benzo(a)pyrene	U	400	1.0	330	400	20
193-39-5	Indeno(1,2,3-cd)pyrene	U	400	1.0	330	400	24
53-70-3	Dibenzo(a,h)anthracene	U	400	1.0	330	400	26
191-24-2	Benzo(g,h,i)perylene	U	400	1.0	330	400	27
100-52-7	Benzaldehyde	U	400	1.0	330	400	0.00
98-96-2	Acetophenone	U	400	1.0	330	400	0.00
105-60-2	Caprolactam	U	400	1.0	330	400	0.00
92-52-4	1,1'-Biphenyl	U	400	1.0	330	400	0.00
1912-24-9	Atrazine	U	400	1.0	330	400	0.00
367-12-4	2-Fluorophenol		66%				
13127-88-3	Phenol-D6		69%				
4165-60-0	Nitrobenzene-D5		76%				
321-60-8	2-Fluorobiphenyl		79%				
118-79-6	2,4,6-Tribromophenol		77%				
1718-51-0	Terphenyl-D14		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/06/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-7
Client ID: PCYS10Z906
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	50	1.0	10	50	10
111-44-4	Bis(2-Chloroethyl)ether	U	50	1.0	10	50	7
95-57-8	2-Chlorophenol	U	50	1.0	10	50	11
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	50	1.0	10	50	6
95-48-7	2-Methylphenol	U	50	1.0	10	50	6
67-72-1	Hexachloroethane	U	50	1.0	10	50	9
621-64-7	N-Nitroso-di-n-propylamine	U	50	1.0	10	50	8
106-44-5	4-Methylphenol	U	50	1.0	10	50	9
98-95-3	Nitrobenzene	U	50	1.0	10	50	6
78-59-1	Isophorone	U	50	1.0	10	50	4
88-75-5	2-Nitrophenol	U	50	1.0	10	50	8
105-67-9	2,4-Dimethylphenol	U	50	1.0	10	50	9
111-91-1	Bis(2-Chloroethoxy)methane	U	50	1.0	10	50	4
120-83-2	2,4-Dichlorophenol	U	50	1.0	10	50	9
91-20-3	Naphthalene	U	50	1.0	10	50	5
106-47-8	4-Chloroaniline	U	50	1.0	10	50	6
87-68-3	Hexachlorobutadiene	U	50	1.0	10	50	11
59-50-7	4-Chloro-3-Methylphenol	U	50	1.0	10	50	6
91-57-6	2-Methylnaphthalene	U	50	1.0	10	50	6
77-47-4	Hexachlorocyclopentadiene	U	50	1.0	10	50	7
88-06-2	2,4,6-Trichlorophenol	U	50	1.0	10	50	9
95-95-4	2,4,5-Trichlorophenol	U	120	1.0	25	120	11
91-58-7	2-Chloronaphthalene	U	50	1.0	10	50	14
88-74-4	2-Nitroaniline	U	120	1.0	25	120	4
208-96-8	Acenaphthylene	U	50	1.0	10	50	4
131-11-3	Dimethyl Phthalate	U	50	1.0	10	50	4
606-20-2	2,6-Dinitrotoluene	U	50	1.0	10	50	8
83-32-9	Acenaphthene	U	50	1.0	10	50	6
99-09-2	3-Nitroaniline	U	120	1.0	25	120	8
51-28-5	2,4-Dinitrophenol	U	120	1.0	25	120	27
132-64-9	Dibenzofuran	U	50	1.0	10	50	5
100-02-7	4-Nitrophenol	U	120	1.0	25	120	14
121-14-2	2,4-Dinitrotoluene	U	50	1.0	10	50	4
86-73-7	Fluorene	U	50	1.0	10	50	4
84-66-2	Diethylphthalate	U	50	1.0	10	50	3
7005-72-3	4-Chlorophenyl-phenylether	U	50	1.0	10	50	6
100-01-6	4-Nitroaniline	U	120	1.0	25	120	8
534-52-1	4,6-Dinitro-2-Methylphenol	U	120	1.0	25	120	37
86-30-6	N-Nitrosodiphenylamine	U	50	1.0	10	50	9
101-55-3	4-Bromophenyl-phenylether	U	50	1.0	10	50	5
118-74-1	Hexachlorobenzene	U	50	1.0	10	50	4
87-86-5	Pentachlorophenol	U	120	1.0	25	120	28
85-01-8	Phenanthrene	U	50	1.0	10	50	4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/06/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-7
Client ID: PCYS10Z906
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	50	1.0	10	50	3
86-74-8	Carbazole	U	50	1.0	10	50	4
84-74-2	Di-n-butylphthalate	U	50	1.0	10	50	14
206-44-0	Fluoranthene	U	50	1.0	10	50	4
129-00-0	Pyrene	U	50	1.0	10	50	4
85-68-7	Butylbenzylphthalate	U	50	1.0	10	50	4
56-55-3	Benzo(a)anthracene	U	50	1.0	10	50	3
218-01-9	Chrysene	U	50	1.0	10	50	3
91-94-1	3,3'-Dichlorobenzidine	U	50	1.0	10	50	8
117-81-7	bis(2-Ethylhexyl)phthalate	U	50	1.0	10	50	46
117-84-0	Di-n-octylphthalate	U	50	1.0	10	50	7
205-99-2	Benzo(b)fluoranthene	U	50	1.0	10	50	5
207-08-9	Benzo(k)fluoranthene	U	50	1.0	10	50	4
50-32-8	Benzo(a)pyrene	U	50	1.0	10	50	4
193-39-5	Indeno(1,2,3-cd)pyrene	U	50	1.0	10	50	4
53-70-3	Dibenzo(a,h)anthracene	U	50	1.0	10	50	4
191-24-2	Benzo(g,h,i)perylene	U	50	1.0	10	50	4
100-52-7	Benzaldehyde	U	50	1.0	10	50	50
98-96-2	Acetophenone	U	50	1.0	10	50	3
105-60-2	Caprolactam	U	50	1.0	10	50	50
92-52-4	1,1'-Biphenyl	U	50	1.0	10	50	50
1912-24-9	Atrazine	U	50	1.0	10	50	50
367-12-4	2-Fluorophenol		* 7%				
13127-88-3	Phenol-D6		29%				
4165-60-0	Nitrobenzene-D5		56%				
321-60-8	2-Fluorobiphenyl		61%				
118-79-6	2,4,6-Tribromophenol		* 9%				
1718-51-0	Terphenyl-D14		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/06/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-8
Client ID: PCYS10Z1404
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	50	1.0	10	50	10
111-44-4	Bis(2-Chloroethyl)ether	U	50	1.0	10	50	7
95-57-8	2-Chlorophenol	U	50	1.0	10	50	11
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	50	1.0	10	50	6
95-48-7	2-Methylphenol	U	50	1.0	10	50	6
67-72-1	Hexachloroethane	U	50	1.0	10	50	9
621-64-7	N-Nitroso-di-n-propylamine	U	50	1.0	10	50	8
106-44-5	4-Methylphenol	U	50	1.0	10	50	9
98-95-3	Nitrobenzene	U	50	1.0	10	50	6
78-59-1	Isophorone	U	50	1.0	10	50	4
88-75-5	2-Nitrophenol	U	50	1.0	10	50	8
105-67-9	2,4-Dimethylphenol	U	50	1.0	10	50	9
111-91-1	Bis(2-Chloroethoxy)methane	U	50	1.0	10	50	4
120-83-2	2,4-Dichlorophenol	U	50	1.0	10	50	9
91-20-3	Naphthalene	U	50	1.0	10	50	5
106-47-8	4-Chloroaniline	U	50	1.0	10	50	6
87-68-3	Hexachlorobutadiene	U	50	1.0	10	50	11
59-50-7	4-Chloro-3-Methylphenol	U	50	1.0	10	50	6
91-57-6	2-Methylnaphthalene	U	50	1.0	10	50	6
77-47-4	Hexachlorocyclopentadiene	U	50	1.0	10	50	7
88-06-2	2,4,6-Trichlorophenol	U	50	1.0	10	50	9
95-95-4	2,4,5-Trichlorophenol	U	120	1.0	25	120	11
91-58-7	2-Chloronaphthalene	U	50	1.0	10	50	14
88-74-4	2-Nitroaniline	U	120	1.0	25	120	4
208-96-8	Acenaphthylene	U	50	1.0	10	50	4
131-11-3	Dimethyl Phthalate	U	50	1.0	10	50	4
606-20-2	2,6-Dinitrotoluene	U	50	1.0	10	50	8
83-32-9	Acenaphthene	U	50	1.0	10	50	6
99-09-2	3-Nitroaniline	U	120	1.0	25	120	8
51-28-5	2,4-Dinitrophenol	U	120	1.0	25	120	27
132-64-9	Dibenzofuran	U	50	1.0	10	50	5
100-02-7	4-Nitrophenol	U	120	1.0	25	120	14
121-14-2	2,4-Dinitrotoluene	U	50	1.0	10	50	4
86-73-7	Fluorene	U	50	1.0	10	50	4
84-66-2	Diethylphthalate	U	50	1.0	10	50	3
7005-72-3	4-Chlorophenyl-phenylether	U	50	1.0	10	50	6
100-01-6	4-Nitroaniline	U	120	1.0	25	120	8
534-52-1	4,6-Dinitro-2-Methylphenol	U	120	1.0	25	120	37
86-30-6	N-Nitrosodiphenylamine	U	50	1.0	10	50	9
101-55-3	4-Bromophenyl-phenylether	U	50	1.0	10	50	5
118-74-1	Hexachlorobenzene	U	50	1.0	10	50	4
87-86-5	Pentachlorophenol	U	120	1.0	25	120	28
85-01-8	Phenanthrene	U	50	1.0	10	50	4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/06/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-8
Client ID: PCYS10Z1404
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	50	1.0	10	50	3
86-74-8	Carbazole	U	50	1.0	10	50	4
84-74-2	Di-n-butylphthalate	U	50	1.0	10	50	14
206-44-0	Fluoranthene	U	50	1.0	10	50	4
129-00-0	Pyrene	U	50	1.0	10	50	4
85-68-7	Butylbenzylphthalate	U	50	1.0	10	50	4
56-55-3	Benzo(a)anthracene	U	50	1.0	10	50	3
218-01-9	Chrysene	U	50	1.0	10	50	3
91-94-1	3,3'-Dichlorobenzidine	U	50	1.0	10	50	8
117-81-7	bis(2-Ethylhexyl)phthalate	U	50	1.0	10	50	46
117-84-0	Di-n-octylphthalate	U	50	1.0	10	50	7
205-99-2	Benzo(b)fluoranthene	U	50	1.0	10	50	5
207-08-9	Benzo(k)fluoranthene	U	50	1.0	10	50	4
50-32-8	Benzo(a)pyrene	U	50	1.0	10	50	4
193-39-5	Indeno(1,2,3-cd)pyrene	U	50	1.0	10	50	4
53-70-3	Dibenzo(a,h)anthracene	U	50	1.0	10	50	4
191-24-2	Benzo(g,h,i)perylene	U	50	1.0	10	50	4
100-52-7	Benzaldehyde	U	50	1.0	10	50	50
98-96-2	Acetophenone	U	50	1.0	10	50	3
105-60-2	Caprolactam	U	50	1.0	10	50	50
92-52-4	1,1'-Biphenyl	U	50	1.0	10	50	50
1912-24-9	Atrazine	U	50	1.0	10	50	50
367-12-4	2-Fluorophenol		67%				
13127-88-3	Phenol-D6		63%				
4165-60-0	Nitrobenzene-D5		72%				
321-60-8	2-Fluorobiphenyl		78%				
118-79-6	2,4,6-Tribromophenol		74%				
1718-51-0	Terphenyl-D14		*127%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/06/03
Analysis Date: 05/30/03
Report Date: 06/05/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-8RA
Client ID: PCYS10Z1404
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	50	1.0	10	50	10
111-44-4	Bis(2-Chloroethyl)ether	U	50	1.0	10	50	7
95-57-8	2-Chlorophenol	U	50	1.0	10	50	11
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	50	1.0	10	50	6
95-48-7	2-Methylphenol	U	50	1.0	10	50	6
67-72-1	Hexachloroethane	U	50	1.0	10	50	9
621-64-7	N-Nitroso-di-n-propylamine	U	50	1.0	10	50	8
106-44-5	4-Methylphenol	U	50	1.0	10	50	9
98-95-3	Nitrobenzene	U	50	1.0	10	50	6
78-59-1	Isophorone	U	50	1.0	10	50	4
88-75-5	2-Nitrophenol	U	50	1.0	10	50	8
105-67-9	2,4-Dimethylphenol	U	50	1.0	10	50	9
111-91-1	Bis(2-Chloroethoxy)methane	U	50	1.0	10	50	4
120-83-2	2,4-Dichlorophenol	U	50	1.0	10	50	9
91-20-3	Naphthalene	U	50	1.0	10	50	5
106-47-8	4-Chloroaniline	U	50	1.0	10	50	6
87-68-3	Hexachlorobutadiene	U	50	1.0	10	50	11
59-50-7	4-Chloro-3-Methylphenol	U	50	1.0	10	50	6
91-57-6	2-Methylnaphthalene	U	50	1.0	10	50	6
77-47-4	Hexachlorocyclopentadiene	U	50	1.0	10	50	7
88-06-2	2,4,6-Trichlorophenol	U	50	1.0	10	50	9
95-95-4	2,4,5-Trichlorophenol	U	120	1.0	25	120	11
91-58-7	2-Chloronaphthalene	U	50	1.0	10	50	14
88-74-4	2-Nitroaniline	U	120	1.0	25	120	4
208-96-8	Acenaphthylene	U	50	1.0	10	50	4
131-11-3	Dimethyl Phthalate	U	50	1.0	10	50	4
606-20-2	2,6-Dinitrotoluene	U	50	1.0	10	50	8
83-32-9	Acenaphthene	U	50	1.0	10	50	6
99-09-2	3-Nitroaniline	U	120	1.0	25	120	8
51-28-5	2,4-Dinitrophenol	U	120	1.0	25	120	27
132-64-9	Dibenzofuran	U	50	1.0	10	50	5
100-02-7	4-Nitrophenol	U	120	1.0	25	120	14
121-14-2	2,4-Dinitrotoluene	U	50	1.0	10	50	4
86-73-7	Fluorene	U	50	1.0	10	50	4
84-66-2	Diethylphthalate	U	50	1.0	10	50	3
7005-72-3	4-Chlorophenyl-phenylether	U	50	1.0	10	50	6
100-01-6	4-Nitroaniline	U	120	1.0	25	120	8
534-52-1	4,6-Dinitro-2-Methylphenol	U	120	1.0	25	120	37
86-30-6	N-Nitrosodiphenylamine	U	50	1.0	10	50	9
101-55-3	4-Bromophenyl-phenylether	U	50	1.0	10	50	5
118-74-1	Hexachlorobenzene	U	50	1.0	10	50	4
87-86-5	Pentachlorophenol	U	120	1.0	25	120	28
85-01-8	Phenanthrene	U	50	1.0	10	50	4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/06/03
Analysis Date: 05/30/03
Report Date: 06/05/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-8RA
Client ID: PCYS10Z1404
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	50	1.0	10	50	3
86-74-8	Carbazole	U	50	1.0	10	50	4
84-74-2	Di-n-butylphthalate	U	50	1.0	10	50	14
206-44-0	Fluoranthene	U	50	1.0	10	50	4
129-00-0	Pyrene	U	50	1.0	10	50	4
85-68-7	Butylbenzylphthalate	U	50	1.0	10	50	4
56-55-3	Benzo(a)anthracene	U	50	1.0	10	50	3
218-01-9	Chrysene	U	50	1.0	10	50	3
91-94-1	3,3'-Dichlorobenzidine	U	50	1.0	10	50	8
117-81-7	bis(2-Ethylhexyl)phthalate	U	50	1.0	10	50	46
117-84-0	Di-n-octylphthalate	U	50	1.0	10	50	7
205-99-2	Benzo(b)fluoranthene	U	50	1.0	10	50	5
207-08-9	Benzo(k)fluoranthene	U	50	1.0	10	50	4
50-32-8	Benzo(a)pyrene	U	50	1.0	10	50	4
193-39-5	Indeno(1,2,3-cd)pyrene	U	50	1.0	10	50	4
53-70-3	Dibenzo(a,h)anthracene	U	50	1.0	10	50	4
191-24-2	Benzo(g,h,i)perylene	U	50	1.0	10	50	4
100-52-7	Benzaldehyde	U	50	1.0	10	50	50
98-96-2	Acetophenone	U	50	1.0	10	50	3
105-60-2	Caprolactam	U	50	1.0	10	50	50
92-52-4	1,1'-Biphenyl	U	50	1.0	10	50	50
1912-24-9	Atrazine	U	50	1.0	10	50	50
367-12-4	2-Fluorophenol		59%				
13127-88-3	Phenol-D6		49%				
4165-60-0	Nitrobenzene-D5		72%				
321-60-8	2-Fluorobiphenyl		73%				
118-79-6	2,4,6-Tribromophenol		114%				
1718-51-0	Terphenyl-D14		79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/06/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-9
Client ID: PCYS10Z506
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	50	1.0	10	50	10
111-44-4	Bis(2-Chloroethyl)ether	U	50	1.0	10	50	7
95-57-8	2-Chlorophenol	U	50	1.0	10	50	11
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	50	1.0	10	50	6
95-48-7	2-Methylphenol	U	50	1.0	10	50	6
67-72-1	Hexachloroethane	U	50	1.0	10	50	9
621-64-7	N-Nitroso-di-n-propylamine	U	50	1.0	10	50	8
106-44-5	4-Methylphenol	U	50	1.0	10	50	9
98-95-3	Nitrobenzene	U	50	1.0	10	50	6
78-59-1	Isophorone	U	50	1.0	10	50	4
88-75-5	2-Nitrophenol	U	50	1.0	10	50	8
105-67-9	2,4-Dimethylphenol	U	50	1.0	10	50	9
111-91-1	Bis(2-Chloroethoxy)methane	U	50	1.0	10	50	4
120-83-2	2,4-Dichlorophenol	U	50	1.0	10	50	9
91-20-3	Naphthalene	U	50	1.0	10	50	5
106-47-8	4-Chloroaniline	U	50	1.0	10	50	6
87-68-3	Hexachlorobutadiene	U	50	1.0	10	50	11
59-50-7	4-Chloro-3-Methylphenol	U	50	1.0	10	50	6
91-57-6	2-Methylnaphthalene	U	50	1.0	10	50	6
77-47-4	Hexachlorocyclopentadiene	U	50	1.0	10	50	7
88-06-2	2,4,6-Trichlorophenol	U	50	1.0	10	50	9
95-95-4	2,4,5-Trichlorophenol	U	120	1.0	25	120	11
91-58-7	2-Chloronaphthalene	U	50	1.0	10	50	14
88-74-4	2-Nitroaniline	U	120	1.0	25	120	4
208-96-8	Acenaphthylene	U	50	1.0	10	50	4
131-11-3	Dimethyl Phthalate	U	50	1.0	10	50	8
606-20-2	2,6-Dinitrotoluene	U	50	1.0	10	50	6
83-32-9	Acenaphthene	U	50	1.0	10	50	8
99-09-2	3-Nitroaniline	U	120	1.0	25	120	27
51-28-5	2,4-Dinitrophenol	U	120	1.0	25	120	5
132-64-9	Dibenzofuran	U	50	1.0	10	50	14
100-02-7	4-Nitrophenol	U	120	1.0	25	120	4
121-14-2	2,4-Dinitrotoluene	U	50	1.0	10	50	4
86-73-7	Fluorene	U	50	1.0	10	50	3
84-66-2	Diethylphthalate	U	50	1.0	10	50	6
7005-72-3	4-Chlorophenyl-phenylether	U	120	1.0	25	120	8
100-01-6	4-Nitroaniline	U	120	1.0	25	120	37
534-52-1	4,6-Dinitro-2-Methylphenol	U	50	1.0	10	50	9
86-30-6	N-Nitrosodiphenylamine	U	50	1.0	10	50	5
101-55-3	4-Bromophenyl-phenylether	U	50	1.0	10	50	4
118-74-1	Hexachlorobenzene	U	120	1.0	25	120	28
87-86-5	Pentachlorophenol	U	50	1.0	10	50	4
85-01-8	Phenanthrene						

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 04/30/03
Received Date: 05/01/03
Extraction Date: 05/06/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: WATER
% Solids: NA

Lab ID: WT0984-9
Client ID: PCYS10Z506
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	50	1.0	10	50	3
86-74-8	Carbazole	U	50	1.0	10	50	4
84-74-2	Di-n-butylphthalate	U	50	1.0	10	50	14
206-44-0	Fluoranthene	U	50	1.0	10	50	4
129-00-0	Pyrene	U	50	1.0	10	50	4
85-68-7	Butylbenzylphthalate	U	50	1.0	10	50	4
56-55-3	Benzo(a)anthracene	U	50	1.0	10	50	3
218-01-9	Chrysene	U	50	1.0	10	50	3
91-94-1	3,3'-Dichlorobenzidine	U	50	1.0	10	50	8
117-81-7	bis(2-Ethylhexyl)phthalate	U	50	1.0	10	50	46
117-84-0	Di-n-octylphthalate	U	50	1.0	10	50	7
205-99-2	Benzo(b)fluoranthene	U	50	1.0	10	50	5
207-08-9	Benzo(k)fluoranthene	U	50	1.0	10	50	4
50-32-8	Benzo(a)pyrene	U	50	1.0	10	50	4
193-39-5	Indeno(1,2,3-cd)pyrene	U	50	1.0	10	50	4
53-70-3	Dibenzo(a,h)anthracene	U	50	1.0	10	50	4
191-24-2	Benzo(g,h,i)perylene	U	50	1.0	10	50	4
100-52-7	Benzaldehyde	U	50	1.0	10	50	50
98-96-2	Acetophenone	U	50	1.0	10	50	3
105-60-2	Caprolactam	U	50	1.0	10	50	50
92-52-4	1,1'-Biphenyl	U	50	1.0	10	50	50
1912-24-9	Atrazine	U	50	1.0	10	50	50
367-12-4	2-Fluorophenol		56%				
13127-88-3	Phenol-D6		59%				
4165-60-0	Nitrobenzene-D5		68%				
321-60-8	2-Fluorobiphenyl		74%				
118-79-6	2,4,6-Tribromophenol		106%				
1718-51-0	Terphenyl-D14		99%				

APPENDIX C

SUPPORT DOCUMENTATION

WT0984

HOLDING TIME
06/12/03

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/KG	LABQC	PBSTE02ICS0	P BLANK	WT0984	M	05/02/03	05/02/03	05/05/03	0	3	3
MG/KG	PCYS10Z1404	WT0984-004	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z1406	WT0984-005	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z306	WT0984-001	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z306MS	WT0984-001S	MS	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z306MSD	WT0984-001P	MSD	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z506	WT0984-006	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z904	WT0984-002	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z906	WT0984-003	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z1404	WT0984-8RA	NORMAL	WT0984	OS	04/30/03	05/06/03	05/30/03	6	24	30
%	PCYS10Z1406	WT0984-5	NORMAL	WT0984	OS	04/30/03	05/13/03	05/28/03	13	15	28
%	PCYS10Z306	WT0984-1DL2	NORMAL	WT0984	OS	04/30/03	05/13/03	05/30/03	13	17	30
%	PCYS10Z506	WT0984-9	NORMAL	WT0984	OS	04/30/03	05/06/03	05/28/03	6	22	28
%	PCYS10Z904	WT0984-2RA	NORMAL	WT0984	OS	04/30/03	05/13/03	05/30/03	13	17	30
%	PCYS10Z906	WT0984-7	NORMAL	WT0984	OS	04/30/03	05/06/03	05/28/03	6	22	28
%	WG2202-BLANK	WG2202-1	P BLANK	WT0984	OS	05/06/03	05/06/03	05/28/03	0	22	22
%	WG2202-LCS	WG2202-2	LCS	WT0984	OS	05/06/03	05/06/03	05/28/03	0	22	22
%	WG2202-LCSD	WG2202-3	LCSD	WT0984	OS	05/06/03	05/06/03	05/28/03	0	22	22
%	WG2250-BLANK	WG2250-1A	P BLANK	WT0984	OS	05/13/03	05/13/03	05/28/03	0	15	15
%	WG2250-LCS	WG2250-2	LCS	WT0984	OS	05/13/03	05/13/03	05/21/03	0	8	8
%	WG2250-LCSD	WG2250-3	LCSD	WT0984	OS	05/13/03	05/13/03	05/21/03	0	8	8
%	PCYS10Z1404	WT0984-8	NORMAL	WT0984	OV	04/30/03	05/07/03	05/07/03	7	0	7
UG/KG	PCYS10Z1406	WT0984-5	NORMAL	WT0984	OV	04/30/03	05/08/03	05/08/03	8	0	8
UG/KG	PCYS10Z306	WT0984-1	NORMAL	WT0984	OV	04/30/03	05/08/03	05/08/03	8	0	8

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%	PCYS10Z506	WT0984-9	NORMAL	WT0984	OV	04/30/03	05/07/03	05/07/03	7	0	7
UG/KG	PCYS10Z904	WT0984-2	NORMAL	WT0984	OV	04/30/03	05/08/03	05/08/03	8	0	8
%	PCYS10Z906	WT0984-7	NORMAL	WT0984	OV	04/30/03	05/07/03	05/07/03	7	0	7
%	WG2222-BLANK	WG2222-2	P BLANK	WT0984	OV	/ /	05/07/03	05/07/03	0	0	0
%	WG2222-LCS	WG2222-1	LCS	WT0984	OV	/ /	05/07/03	05/07/03	0	0	0
UG/KG	WG2477-BLANK	WG2477-2	P BLANK	WT0984	OV	/ /	05/08/03	05/08/03	0	0	0
UG/KG	WG2477-LCS	WG2477-1	LCS	WT0984	OV	/ /	05/08/03	05/08/03	0	0	0
UG/L	PCYS10Z1404	WT0984-8RA	NORMAL	WT0984	TCLPS	04/30/03	05/06/03	05/30/03	6	24	30
UG/L	PCYS10Z506	WT0984-9	NORMAL	WT0984	TCLPS	04/30/03	05/06/03	05/28/03	6	22	28
UG/L	PCYS10Z906	WT0984-7	NORMAL	WT0984	TCLPS	04/30/03	05/06/03	05/28/03	6	22	28
UG/L	WG2202-BLANK	WG2202-1	P BLANK	WT0984	TCLPS	05/06/03	05/06/03	05/28/03	0	22	22
UG/L	WG2202-LCS	WG2202-2	LCS	WT0984	TCLPS	05/06/03	05/06/03	05/28/03	0	22	22
UG/L	WG2202-LCSD	WG2202-3	LCSD	WT0984	TCLPS	05/06/03	05/06/03	05/28/03	0	22	22
UG/L	PCYS10Z1404	WT0984-8	NORMAL	WT0984	TCLPV	04/30/03	05/07/03	05/07/03	7	0	7
UG/L	PCYS10Z506	WT0984-9	NORMAL	WT0984	TCLPV	04/30/03	05/07/03	05/07/03	7	0	7
UG/L	PCYS10Z906	WT0984-7	NORMAL	WT0984	TCLPV	04/30/03	05/07/03	05/07/03	7	0	7
UG/L	WG2222-BLANK	WG2222-2	P BLANK	WT0984	TCLPV	/ /	05/07/03	05/07/03	0	0	0
UG/L	WG2222-LCS	WG2222-1	LCS	WT0984	TCLPV	/ /	05/07/03	05/07/03	0	0	0
%	PCYS10Z1404	WT0984-4	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z1406	WT0984-5	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z306	WT0984-1	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z506	WT0984-6DUP	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z904	WT0984-2	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z906	WT0984-3	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	WG2195-LCS	WG2195-LCS	LCS	WT0984	TS	05/02/03	05/02/03	05/05/03	0	3	3

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

ient: TLWCS | Contact: M. Akers | Phone #: (850) 385-9899 | Fax #: (850) 386-9890

dress: 1401 Oven Park Place 201 | City: Tallahassee | State: FL | Zip Code: 32312

urchase Order # | Proj. Name / No.: CTO 287 | Katahdin Quote #

ll (if different than above) | Address

mpler (Print / Sign): [signature] | Copies To:

AB USE ONLY | WORK ORDER #: CUT09784 | KATAHDIN PROJECT MANAGER

EMARKS:

HIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

RBILL NO:

EMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	8270 TCL VOC Filt. ☐Y☐N	8260 TCL SVOC Filt. ☐Y☐N	Grain Size Filt. ☐Y☐N	SPLP VOC Filt. ☐Y☐N	SPLP SVOC Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N	Filt. ☐Y☐N
PCYS10Z306	4/30/03/1015	S	5	3	1	1							
PCYS10Z904	4/30/03/1030	S	5	3	1	1							
PCYS10Z906	4/30/03/1045	S	7	3	1	1	1	1					
PCYS10Z1404	4/30/03/1135	S	7	3	1	1	1	1					
PCYS10Z1406	4/30/03/1150	S	5	3	1	1							
PCYS10Z506	4/30/03/1200	S	7	3	1	1	1	1					

MMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	4/30/03 1300	[signature] 5/1/03 0920			
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

ORIGINAL

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 ____ of ____

Client: Katahdin
Contact: Andrew Colby
Phone #: ( )
Fax #: ( )
Address: As Above
City:
State:
Zip Code:
Purchase Order #:
Proj. Name / No.: WT0784
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT MANAGER
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	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☐
PCYS102306	4/30/03 / 1015	SL	1	X									
PCYS102904	/ 1030												
PCYS102906	/ 1045												
PCYS102404	/ 1135												
PCYS102406	/ 1150												
PCYS102506	/ 1200												
	/												
	/												
	/												
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COMMENTS
QC-IV DRKaS050QC-DB3) Results 5/26/03

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	5/1/03 1445				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	5-5-03				

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CSS PANAMA CITY CTO 287
WT0984

Sample Receipt

The following samples were received on May 1, 2003 and were logged in under Katahdin Analytical Services work order number WT0984 for a hardcopy due date of May 28, 2003.

KATAHDIN Sample No.	TTNUS Sample Identification
WT0984-1	PCYS10Z306
WT0984-2	PCYS10Z904
WT0984-3	PCYS10Z906
WT0984-4	PCYS10Z1404
WT0984-5	PCYS10Z1406
WT0984-6	PCYS10Z506
WT0984-7	PCYS10Z906
WT0984-8	PCYS10Z1404
WT0984-9	PCYS10Z506

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.

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 Laboratory

Samples WT0984-1 through -9 were received on April 30, 2003. Some of the samples were analyzed for Volatile Organics according to SW-846 method 8260B using the OLM 4.2 compound list and/or SPLP-8260B method and/or semivolatile organics according to SW-846 method 8270C using the OLM 4.2 compound list and/or SPLP-8270C method. Some manual integrations were performed due to split peaks and corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation reports. The samples were extracted and/or analyzed within hold time, and all QC criteria were met with the following comments:

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8260B Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived. Katahdin standard operating procedure is to not take corrective action until greater than ten percent of the spiked analytes in the LCS are outside of QC limits.

8270C Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCS/Ds) are statistically derived. Katahdin standard operating procedure is to not take corrective action until greater than ten percent of the spiked analytes in the LCS are outside of QC limits.

The calibration curves analyzed for this work order had some analytes with %RSD values exceeding the allowed 15%. For those analytes, either a linear or quadratic model was used for the calibration curve. In the second 'X' calibration curve, the analyte 3,3'-Dichlorobenzidine failed for both the linear and quadratic models due to the correlation coefficient being less than the method acceptance criteria of 0.990. The analyte Benzaldehyde failed in all 3 calibration curves. These compounds were calibrated using the average model.

Sample WT0984-1 was run at a dilution due to matrix viscosity.

Samples WT0984-2 and -8 had low internal standard responses which were outside of acceptance limits. The samples were reanalyzed with similar results. Both analyses were reported.

The method blank WG2250-1 was analyzed on two different instruments. The first analysis was in criteria. The second analysis (run on the 'k') had high surrogate recoveries. This was due to sample extract evaporation caused by an extract vial cap with a septa defect. Both analyses were reported.

Sample WT0984-7 had low acid surrogate recoveries which were outside of acceptance limits.

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

Metals Analysis

The samples of Katahdin Work Order WT0984 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)

Soil-matrix Katahdin Sample Nos. WT0984-(1-6) were digested for ICP analysis on 05/02/03 (QC Batch TE02ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WT0984-1 was prepared with duplicate matrix-spiked aliquots.

ICP analyses of Work Order WT0984 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA ICAP 61E ICP spectrometer. All samples were

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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.

Matrix QC Summary

Both of the matrix-spiked aliquots of Katahdin Sample No. WT0984-1 were within the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for all analytes.

The matrix-spike duplicate analyses of Katahdin Sample No.WT0984-1 were within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

The serial dilution analyses of Katahdin Sample No. WT0984-1 were 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

Samples were received on 05/01/03 and logged in as Katahdin Work Order WT0984. Analyses for Total Solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis.

All analyses were performed within analytical hold time, and all quality control criteria were met.

No other deviations were noted by the Wet Chemistry group.

Subcontracted Analysis

Analysis for Grain Size was performed by a subcontract laboratory. Please refer to the section of the data package titled "Subcontracted Data."

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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.

María Crouch
06.05.03
María Crouch
Quality Assurance Officer

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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-M Calibration Date(s): 05/06/03 05/06/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1725 2028

LAB FILE ID: RF5: M8589 RF10: M8588 RF20: M8587
RF50: M8586 RF100: M8590 RF200: M8591

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	0.229	0.224	0.223	0.236	0.211	0.216	AVRG		0.22323		3.928	15.000
Chloromethane	0.393	0.397	0.402	0.404	0.369	0.376	AVRG		0.39016		3.690	15.000
Vinyl chloride	0.366	0.382	0.381	0.405	0.366	0.367	AVRG		0.37793		4.031	15.000
Bromomethane	6605	15631	31423	78113	195120	392780	LINR	8e-002	4.49883		0.99861	0.99000
Chloroethane	0.238	0.278	0.264	0.262	0.240	0.247	AVRG		0.25483		6.309	15.000
Trichlorofluoromethane	0.504	0.504	0.497	0.529	0.480	0.485	AVRG		0.49982		3.481	15.000
1,1-Dichloroethene	0.401	0.400	0.403	0.418	0.387	0.384	AVRG		0.39878		3.050	15.000
Carbon Disulfide	1.419	1.454	1.420	1.498	1.367	1.365	AVRG		1.42038		3.607	15.000
Freon-113	0.362	0.372	0.365	0.385	0.352	0.349	AVRG		0.36431		3.617	15.000
Methylene Chloride	0.573	0.520	0.492	0.505	0.463	0.454	AVRG		0.50122		8.581	15.000
Acetone	3117	9563	15465	37826	74215	125590	LINR	-0.1232	14.1978		0.99044	0.99000
trans-1,2-Dichloroethene	0.478	0.475	0.472	0.489	0.448	0.432	AVRG		0.46585		4.613	15.000
Methyl tert-butyl ether	0.704	0.691	0.659	0.674	0.627	0.558	AVRG		0.65206		8.171	15.000
1,1-Dichloroethane	0.785	0.781	0.753	0.767	0.703	0.708	AVRG		0.74949		4.765	15.000
cis-1,2-Dichloroethene	0.490	0.512	0.506	0.525	0.478	0.470	AVRG		0.49666		4.248	15.000
1,2-Dichloroethylene (total)	0.968	0.986	0.978	1.014	0.926	0.902	AVRG		0.96251		4.299	15.000
Chloroform	0.746	0.761	0.750	0.770	0.721	0.702	AVRG		0.74163		3.461	15.000
Carbon Tetrachloride	58523	83003	130500	275760	498810	961670	LINR	-0.1749	2.83215		0.99955	0.99000
1,1,1-Trichloroethane	0.603	0.607	0.610	0.634	0.583	0.568	AVRG		0.60080		3.822	15.000
2-Butanone	0.085	0.083	0.070	0.072	0.068	0.060	AVRG		7e-002		12.615	15.000
Benzene	1.276	1.277	1.228	1.281	1.189	1.135	AVRG		1.23103		4.828	15.000
Cyclohexane	0.728	0.746	0.738	0.747	0.682	0.666	AVRG		0.71780		4.895	15.000
1,2-Dichloroethane	0.417	0.417	0.399	0.416	0.390	0.370	AVRG		0.40155		4.705	15.000
Trichloroethene	0.323	0.332	0.318	0.332	0.304	0.298	AVRG		0.31779		4.593	15.000
1,2-Dichloropropane	0.320	0.320	0.322	0.334	0.306	0.294	AVRG		0.31608		4.532	15.000
Bromodichloromethane	0.376	0.392	0.389	0.407	0.383	0.368	AVRG		0.38580		3.526	15.000
cis-1,3-dichloropropene	0.544	0.556	0.543	0.557	0.525	0.495	AVRG		0.53654		4.381	15.000
Toluene	0.799	0.812	0.797	0.817	0.744	0.713	AVRG		0.78043		5.388	15.000
4-methyl-2-pentanone	26323	49647	86024	211400	405770	681900	2ORDR	3.e-002	2.33481	1.40775	0.99957	0.99000
Tetrachloroethene	0.325	0.349	0.334	0.370	0.316	0.315	AVRG		0.33516		6.346	15.000
trans-1,3-Dichloropropene	0.473	0.482	0.467	0.489	0.462	0.427	AVRG		0.46679		4.671	15.000
1,1,2-Trichloroethane	0.255	0.254	0.239	0.246	0.230	0.207	AVRG		0.23849		7.581	15.000
Dibromochloromethane	0.406	0.438	0.427	0.466	0.419	0.401	AVRG		0.42616		5.515	15.000
1,2-Dibromoethane	0.353	0.357	0.334	0.351	0.326	0.300	AVRG		0.33692		6.416	15.000
2-Hexanone	22651	43039	72272	175640	340800	574380	2ORDR	3e-002	2.30904	1.48802	0.99967	0.99000
Chlorobenzene	1.053	1.094	1.082	1.151	1.008	0.960	AVRG		1.05804		6.383	15.000
Ethylbenzene	1.640	1.700	1.665	1.794	1.552	1.478	AVRG		1.63799		6.796	15.000
Xylenes (total)							AVRG					0.000
m+p-Xylenes	0.658	0.713	0.659	0.708	0.598	0.543	AVRG		0.64629		10.175	15.000
o-Xylene	0.649	0.674	0.663	0.689	0.602	0.560	AVRG		0.63932		7.677	15.000
Styrene	1.073	1.108	1.072	1.155	1.011	0.934	AVRG		1.05872		7.313	15.000
Bromoform	0.292	0.313	0.295	0.328	0.298	0.271	AVRG		0.29944		6.497	15.000
Isopropylbenzene	3.007	3.109	3.034	3.236	2.785	2.702	AVRG		2.97891		6.722	15.000
1,1,2,2-Tetrachloroethane	0.909	0.900	0.818	0.842	0.788	0.673	AVRG		0.82176		10.509	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-M Calibration Date(s): 05/06/03 05/06/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1725 2028

LAB FILE ID: RF5: M8589 RF10: M8588 RF20: M8587
RF50: M8586 RF100: M8590 RF200: M8591

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,3-Dichlorobenzene	1.631	1.700	1.633	1.687	1.533	1.468	AVRG		1.60864		5.645	15.000
1,4-Dichlorobenzene	1.686	1.717	1.680	1.754	1.585	1.526	AVRG		1.65827		5.159	15.000
1,2-Dichlorobenzene	1.569	1.626	1.570	1.613	1.461	1.398	AVRG		1.53951		5.881	15.000
1,2-Dibromo-3-Chloropropane	0.153	0.153	0.134	0.133	0.125	0.107	AVRG		0.13410		13.024	15.000
1,2,4-Trichlorobenzene	0.814	0.910	0.809	0.871	0.774	0.799	AVRG		0.82937		6.142	15.000
Methyl Acetate	16361	27661	39757	74320	163110	359820	LINR	-2e-002	5.12917		0.99437	0.99000
Methylcyclohexane	0.666	0.668	0.687	0.700	0.640	0.631	AVRG		0.66528		3.994	15.000
Dibromofluoromethane	0.440	0.474	0.462	0.459	0.455	0.441	AVRG		0.45505		2.865	15.000
1,2-Dichloroethane-D4	0.447	0.466	0.448	0.453	0.444	0.414	AVRG		0.44535		3.886	15.000
Toluene-D8	1.013	1.091	1.039	1.067	1.009	0.942	AVRG		1.02669		5.075	15.000
P-Bromofluorobenzene	0.407	0.426	0.406	0.410	0.402	0.372	AVRG		0.40366		4.410	15.000

Average %RSD test result.

Calculate Average %RSD: 7.301643372
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: WT0984

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

Column: RTX-624 ID: 0.53 (mm) Calibration Time(s): 1153 1516

LAB FILE ID: RF5: Q0218 RF10: Q0217 RF20: Q0216
RF50: Q0215 RF100: Q0220 RF200: Q0219

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	0.275	0.375	0.367	0.312	0.359	0.366	AVRG		0.34248		11.629	15.000
Chloromethane	0.363	0.430	0.473	0.364	0.391	0.379	AVRG		0.39999		10.865	15.000
Vinyl chloride	0.313	0.417	0.402	0.369	0.423	0.421	AVRG		0.39075		11.040	15.000
Bromomethane	8267	16692	32278	122820	226490	477450	LINR	9e-002	3.38922		0.99918	0.99000
Chloroethane	0.298	0.360	0.345	0.327	0.331	0.328	AVRG		0.33168		6.257	15.000
Trichlorofluoromethane	0.528	0.734	0.691	0.636	0.715	0.733	AVRG		0.67288		11.837	15.000
1,1-Dichloroethene	0.390	0.504	0.483	0.464	0.502	0.500	AVRG		0.47390		9.292	15.000
Carbon Disulfide	1.080	1.436	1.404	1.397	1.538	1.592	AVRG		1.40785		12.679	15.000
Freon-113	0.447	0.617	0.525	0.524	0.577	0.595	AVRG		0.54751		11.292	15.000
Methylene Chloride	40394	72607	100820	299190	502470	1009700	2ORDR	-4e-002	1.66398	-5e-003	0.99967	0.99000
Acetone	0.111	0.096	0.102	0.091	0.089	0.085	AVRG		1e-001		10.256	15.000
trans-1,2-Dichloroethene	0.493	0.654	0.585	0.599	0.650	0.649	AVRG		0.60486		10.240	15.000
Methyl tert-butyl ether	0.713	0.711	0.645	0.732	0.767	0.727	AVRG		0.71585		5.620	15.000
1,1-Dichloroethane	1.020	1.142	1.134	1.035	1.201	1.176	AVRG		1.11799		6.646	15.000
cis-1,2-Dichloroethene	0.527	0.612	0.567	0.586	0.654	0.657	AVRG		0.60067		8.477	15.000
1,2-Dichloroethylene (total)	1.020	1.266	1.152	1.185	1.304	1.306	AVRG		1.20553		9.157	15.000
Chloroform	1.056	1.154	1.135	1.000	1.177	1.163	AVRG		1.11430		6.322	15.000
Carbon Tetrachloride	58847	107280	139590	356200	625360	1259800	LINR	-9e-002	1.84213		0.99913	0.99000
1,1,1-Trichloroethane	0.704	0.844	0.738	0.753	0.846	0.843	AVRG		0.78815		8.087	15.000
2-Butanone	2457	5406	12845	41723	73942	150360	LINR	6e-002	10.7970		0.99970	0.99000
Benzene	1.200	1.369	1.290	1.250	1.361	1.317	AVRG		1.29800		5.047	15.000
Cyclohexane	0.777	1.026	0.885	0.877	1.014	1.001	AVRG		0.92991		10.690	15.000
1,2-Dichloroethane	0.437	0.447	0.419	0.425	0.470	0.450	AVRG		0.44136		4.153	15.000
Trichloroethene	0.444	0.501	0.453	0.450	0.507	0.500	AVRG		0.47614		6.176	15.000
1,2-Dichloropropane	0.490	0.509	0.480	0.466	0.535	0.515	AVRG		0.49930		5.073	15.000
Bromodichloromethane	0.655	0.708	0.672	0.716	0.793	0.768	AVRG		0.71877		7.430	15.000
cis-1,3-dichloropropene	0.580	0.656	0.655	0.670	0.799	0.771	AVRG		0.68855		11.836	15.000
Toluene	0.836	0.894	0.940	0.818	0.895	0.857	AVRG		0.87332		5.126	15.000
4-methyl-2-pentanone	0.424	0.444	0.495	0.502	0.543	0.501	AVRG		0.48492		8.913	15.000
Tetrachloroethene	0.454	0.540	0.539	0.471	0.503	0.497	AVRG		0.50087		6.968	15.000
trans-1,3-Dichloropropene	20782	50582	108300	336460	661980	1348500	LINR	6e-002	1.64843		0.99876	0.99000
1,1,2-Trichloroethane	0.357	0.368	0.368	0.349	0.380	0.353	AVRG		0.36244		3.228	15.000
Dibromochloromethane	0.660	0.698	0.712	0.707	0.790	0.766	AVRG		0.72217		6.582	15.000
1,2-Dibromoethane	0.498	0.494	0.548	0.519	0.582	0.553	AVRG		0.53229		6.423	15.000
2-Hexanone	15403	43126	96665	282010	568220	1070800	LINR	4e-002	1.60816		0.99687	0.99000
Chlorobenzene	1.169	1.309	1.319	1.161	1.295	1.255	AVRG		1.25122		5.619	15.000
Ethylbenzene	1.809	2.092	2.061	1.863	2.094	2.046	AVRG		1.99406		6.278	15.000
Xylenes (total)							AVRG					0.000
m+p-Xylenes	0.632	0.795	0.812	0.702	0.769	0.721	AVRG		0.73850		9.082	15.000
o-Xylene	0.682	0.754	0.788	0.685	0.753	0.726	AVRG		0.73119		5.766	15.000
Styrene	0.857	1.017	1.112	1.036	1.170	1.137	AVRG		1.05488		10.727	15.000
Bromoform	0.402	0.444	0.517	0.493	0.549	0.528	AVRG		0.48865		11.434	15.000
Isopropylbenzene	3.828	4.640	4.508	3.976	4.191	4.130	AVRG		4.21225		7.361	15.000
1,1,2,2-Tetrachloroethane	1.940	1.857	2.077	1.862	1.881	1.802	AVRG		1.90313		5.048	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: WT0984

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

Column: RTX-624 ID: 0.53 (mm) Calibration Time(s): 1153 1516

LAB FILE ID: RF5: Q0218 RF10: Q0217 RF20: Q0216
RF50: Q0215 RF100: Q0220 RF200: Q0219

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,3-Dichlorobenzene	1.716	1.855	1.929	1.717	1.841	1.847	AVRG		1.81756		4.647	15.000
1,4-Dichlorobenzene	1.955	1.974	2.150	1.927	2.045	2.000	AVRG		2.00852		3.983	15.000
1,2-Dichlorobenzene	1.648	1.794	1.907	1.703	1.784	1.784	AVRG		1.76997		5.003	15.000
1,2-Dibromo-3-Chloropropane	0.249	0.264	0.300	0.276	0.320	0.303	AVRG		0.28535		9.365	15.000
1,2,4-Trichlorobenzene	0.958	0.840	0.940	1.085	1.106	1.121	AVRG		1.00849		11.180	15.000
Methyl Acetate	0.345	0.334	0.332	0.388	0.432	0.407	AVRG		0.37301		11.226	15.000
Methylcyclohexane	0.676	0.928	0.920	0.789	0.918	0.925	AVRG		0.85922		12.190	15.000
Dibromofluoromethane	0.635	0.806	0.806	0.901	0.973	0.932	AVRG		0.84242		14.437	15.000
1,2-Dichloroethane-D4	14794	43244	75627	254850	472080	924060	LINR	4e-002	1.75057		0.99869	0.99000
Toluene-D8	43949	127530	245070	777790	1423200	2772200	LINR	2e-002	0.80347		0.99817	0.99000
P-Bromofluorobenzene	27659	76244	158850	576220	887920	1683200	LINR	-3e-002	1.32341		0.99471	0.99000

Average %RSD test result.

Calculate Average %RSD: 8.237500191
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-M Calibration Date: 05/07/03 Time: 1201

Lab File ID: M8601 Init. Calib. Date(s): 05/06/03 05/06/03

Init. Calib. Times: 1725 2028

GC Column: RTX-624 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	0.2230000	0.2288900	0.2288900	0.01	2.64		AVRG
Chloromethane	0.3900000	0.4177100	0.4177100	0.1	7.10		AVRG
Vinyl chloride	0.3780000	0.4019500	0.4019500	0.01	6.34	20.00	AVRG
Bromomethane	50.196000	50.000000	0.2057800	0.01	0.39	20.00	LINR
Chloroethane	0.2550000	0.2720800	0.2720800	0.01	6.70		AVRG
Trichlorofluoromethane	0.5000000	0.5317400	0.5317400	0.01	6.35		AVRG
1,1-Dichloroethene	0.3990000	0.4257200	0.4257200	0.1	6.70	20.00	AVRG
Carbon Disulfide	1.4200000	1.5023000	1.5023000	0.01	5.80		AVRG
Freon-113	0.3640000	0.3871600	0.3871600	0.01	6.36		AVRG
Methylene Chloride	0.5010000	0.5083200	0.5083200	0.01	1.46		AVRG
Acetone	54.061000	50.000000	8.48e-002	0.01	8.12	20.00	LINR
trans-1,2-Dichloroethene	0.4660000	0.5004400	0.5004400	0.01	7.39		AVRG
Methyl tert-butyl ether	0.6520000	0.6693300	0.6693300	0.01	2.66		AVRG
1,1-Dichloroethane	0.7500000	0.7990500	0.7990500	0.01	6.54		AVRG
cis-1,2-Dichloroethene	0.4970000	0.5334800	0.5334800	0.01	7.34		AVRG
1,2-Dichloroethylene (total)	0.9620000	1.0339000	1.0339000	0.01	7.47		AVRG
Chloroform	0.7420000	0.7846100	0.7846100	0.01	5.74	20.00	AVRG
Carbon Tetrachloride	53.981000	50.000000	0.4429400	0.01	7.96	20.00	LINR
1,1,1-Trichloroethane	0.6010000	0.6525500	0.6525500	0.01	8.58		AVRG
2-Butanone	7.3e-002	7.22e-002	7.22e-002	0.01	-1.10		AVRG
Benzene	1.2310000	1.3010000	1.3010000	0.01	5.69		AVRG
Cyclohexane	0.7180000	0.7521000	0.7521000	0.01	4.75		AVRG
1,2-Dichloroethane	0.4020000	0.4161900	0.4161900	0.01	3.53		AVRG
Trichloroethene	0.3180000	0.3331400	0.3331400	0.01	4.76		AVRG
1,2-Dichloropropane	0.3160000	0.3324800	0.3324800	0.01	5.22	20.00	AVRG
Bromodichloromethane	0.3860000	0.4118900	0.4118900	0.01	6.71		AVRG
cis-1,3-dichloropropene	0.5370000	0.5714700	0.5714700	0.01	6.42		AVRG
Toluene	0.7800000	0.8123100	0.8123100	0.01	4.14	20.00	AVRG
4-methyl-2-pentanone	44.975000	50.000000	0.3131900	0.01	-10.05	20.00	2RDR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-M Calibration Date: 05/07/03 Time: 1201

Lab File ID: M8601 Init. Calib. Date(s): 05/06/03 05/06/03

Init. Calib. Times: 1725 2028

GC Column: RTX-624 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
Tetrachloroethene	0.3350000	0.3577100	0.3577100	0.01	6.78		AVRG
trans-1,3-Dichloropropene	0.4670000	0.4979400	0.4979400	0.01	6.62		AVRG
1,1,2-Trichloroethane	0.2380000	0.2427200	0.2427200	0.01	1.98		AVRG
Dibromochloromethane	0.4260000	0.4497400	0.4497400	0.01	5.57		AVRG
1,2-Dibromoethane	0.3370000	0.3425400	0.3425400	0.01	1.64		AVRG
2-Hexanone	47.002000	50.000000	0.3261400	0.01	-6.00	20.00	2RDR
Chlorobenzene	1.0580000	1.1082000	1.1082000	0.3	4.74		AVRG
Ethylbenzene	1.6380000	1.7374000	1.7374000	0.01	6.07	20.00	AVRG
Xylenes (total)	0.0000000	0.6815200	0.6815200	0.01	0.00		AVRG <-ok
m+p-Xylenes	0.6460000	0.6824900	0.6824900	0.01	5.65		AVRG
o-Xylene	0.6400000	0.6795800	0.6795800	0.01	6.18		AVRG
Styrene	1.0590000	1.1094000	1.1094000	0.01	4.76		AVRG
Bromoform	0.2990000	0.3032800	0.3032800	0.1	1.43		AVRG
Isopropylbenzene	2.9790000	3.1704000	3.1704000	0.01	6.42		AVRG
1,1,2,2-Tetrachloroethane	0.8220000	0.8192400	0.8192400	0.3	-0.34		AVRG
1,3-Dichlorobenzene	1.6090000	1.7192000	1.7192000	0.01	6.85		AVRG
1,4-Dichlorobenzene	1.6580000	1.7774000	1.7774000	0.01	7.20		AVRG
1,2-Dichlorobenzene	1.5400000	1.6292000	1.6292000	0.01	5.79		AVRG
1,2-Dibromo-3-Chloropropane	0.1340000	0.1262700	0.1262700	0.01	-5.77		AVRG
1,2,4-Trichlorobenzene	0.8300000	0.8834200	0.8834200	0.01	6.44		AVRG
Methyl Acetate	56.822000	50.000000	0.2248200	0.01	13.64		LINR
Methylcyclohexane	0.6650000	0.6997700	0.6997700	0.01	5.23		AVRG
Dibromofluoromethane	0.4550000	0.5088300	0.5088300	0.01	11.83		AVRG
1,2-Dichloroethane-D4	0.4450000	0.4712800	0.4712800	0.01	5.90		AVRG
Toluene-D8	1.0270000	1.1483000	1.1483000	0.01	11.81		AVRG
P-Bromofluorobenzene	0.4040000	0.4457400	0.4457400	0.01	10.33		AVRG

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-Q Calibration Date: 05/08/03 Time: 1612

Lab File ID: Q0290 Init. Calib. Date(s): 05/03/03 05/03/03

Init. Calib. Times: 1153 1516

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.3420000	0.3390300	0.3390300	0.01	-0.87		AVRG
Chloromethane	0.4000000	0.4090500	0.4090500	0.1	2.26		AVRG
Vinyl chloride	0.3910000	0.4044800	0.4044800	0.01	3.45	20.00	AVRG
Bromomethane	51.209000	50.000000	0.2744500	0.01	2.42	20.00	LINR
Chloroethane	0.3320000	0.3437800	0.3437800	0.01	3.55		AVRG
Trichlorofluoromethane	0.6730000	0.7540800	0.7540800	0.01	12.05		AVRG
1,1-Dichloroethene	0.4740000	0.5086600	0.5086600	0.1	7.31	20.00	AVRG
Carbon Disulfide	1.4080000	1.4125000	1.4125000	0.01	0.32		AVRG
Freon-113	0.5480000	0.5973600	0.5973600	0.01	9.01		AVRG
Methylene Chloride	46.772000	50.000000	0.5909400	0.01	-6.46	20.00	LINR
Acetone	9.6e-002	3.83e-002	3.83e-002	0.01	-60.10		AVRG
trans-1,2-Dichloroethene	0.6050000	0.6239900	0.6239900	0.01	3.14		AVRG
Methyl tert-butyl ether	0.7160000	0.6068000	0.6068000	0.01	-15.25		AVRG
1,1-Dichloroethane	1.1180000	1.1277000	1.1277000	0.01	0.87		AVRG
cis-1,2-Dichloroethene	0.6000000	0.6242200	0.6242200	0.01	4.04		AVRG
1,2-Dichloroethylene (total)	1.2060000	1.2482000	1.2482000	0.01	3.50		AVRG
Chloroform	1.1140000	1.1416000	1.1416000	0.01	2.48	20.00	AVRG
Carbon Tetrachloride	49.364000	50.000000	0.5835800	0.01	-1.27	20.00	LINR
1,1,1-Trichloroethane	0.7880000	0.7735500	0.7735500	0.01	-1.83		AVRG
2-Butanone	33.796000	50.000000	5.75e-002	0.01	-32.41	~~20.00~~	LINR
Benzene	1.2980000	1.3701000	1.3701000	0.01	5.55	20.00	AVRG
Cyclohexane	0.9300000	0.9616700	0.9616700	0.01	3.40		AVRG
1,2-Dichloroethane	0.4410000	0.4339600	0.4339600	0.01	-1.60		AVRG
Trichloroethene	0.4760000	0.4958000	0.4958000	0.01	4.16		AVRG
1,2-Dichloropropane	0.4990000	0.4886700	0.4886700	0.01	-2.07	20.00	AVRG
Bromodichloromethane	0.7190000	0.7028300	0.7028300	0.01	-2.25		AVRG
cis-1,3-dichloropropene	0.6880000	0.7019200	0.7019200	0.01	2.02		AVRG
Toluene	0.8730000	0.9644800	0.9644800	0.01	10.48	20.00	AVRG
4-methyl-2-pentanone	0.4850000	0.4598800	0.4598800	0.01	-5.18		AVRG

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-Q Calibration Date: 05/08/03 Time: 1612

Lab File ID: Q0290 Init. Calib. Date(s): 05/03/03 05/03/03

Init. Calib. Times: 1153 1516

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Tetrachloroethene	0.5010000	0.5745200	0.5745200	0.01	14.68		AVRG
trans-1,3-Dichloropropene	48.542000	50.000000	0.5496200	0.01	-2.92	20.00	LINR
1,1,2-Trichloroethane	0.3620000	0.3772400	0.3772400	0.01	4.21		AVRG
Dibromochloromethane	0.7220000	0.7320200	0.7320200	0.01	1.39		AVRG
1,2-Dibromoethane	0.5320000	0.5579000	0.5579000	0.01	4.87		AVRG
2-Hexanone	42.568000	50.000000	0.5037200	0.01	-14.86	20.00	LINR
Chlorobenzene	1.2510000	1.3355000	1.3355000	0.3	6.75		AVRG
Ethylbenzene	1.9940000	2.1353000	2.1353000	0.01	7.09	20.00	AVRG
Xylenes (total)	0.0000000	0.8183400	0.8183400	0.01	0.00		AVRG <-
m+p-Xylenes	0.7380000	0.8275700	0.8275700	0.01	12.14		AVRG
o-Xylene	0.7310000	0.7998800	0.7998800	0.01	9.42		AVRG
Styrene	1.0550000	1.1974000	1.1974000	0.01	13.50		AVRG
Bromoform	0.4890000	0.5247400	0.5247400	0.1	7.31		AVRG
Isopropylbenzene	4.2120000	4.3653000	4.3653000	0.01	3.64		AVRG
1,1,2,2-Tetrachloroethane	1.9030000	1.7934000	1.7934000	0.3	-5.76		AVRG
1,3-Dichlorobenzene	1.8180000	1.9112000	1.9112000	0.01	5.13		AVRG
1,4-Dichlorobenzene	2.0080000	2.1203000	2.1203000	0.01	5.59		AVRG
1,2-Dichlorobenzene	1.7700000	1.8109000	1.8109000	0.01	2.31		AVRG
1,2-Dibromo-3-Chloropropane	0.2850000	0.2608100	0.2608100	0.01	-8.49		AVRG
1,2,4-Trichlorobenzene	51.332000	50.000000	1.1128000	0.01	2.66	20.00	LINR
Methyl Acetate	0.3730000	0.3230200	0.3230200	0.01	-13.40		AVRG
Methylcyclohexane	0.8590000	1.0231000	1.0231000	0.01	19.10		AVRG
Dibromofluoromethane	0.8420000	0.8928800	0.8928800	0.01	6.04		AVRG
1,2-Dichloroethane-D4	46.564000	50.000000	0.5067600	0.01	-6.87	20.00	LINR
Toluene-D8	52.656000	50.000000	1.2882000	0.01	5.31	20.00	LINR
P-Bromofluorobenzene	52.520000	50.000000	0.8171000	0.01	5.04	20.00	LINR

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 100

Lab ID: WG2477-2
Client ID: WG2477-Blank
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	2
74-87-3	Chloromethane	U	5	1.0	5	5	3
75-01-4	Vinyl chloride	U	5	1.0	5	5	1
74-83-9	Bromomethane	U	5	1.0	5	5	2
75-00-3	Chloroethane	U	5	1.0	5	5	2
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	2
75-15-0	Carbon Disulfide	U	5	1.0	5	5	1
76-13-1	Freon-113	U	5	1.0	5	5	2
75-09-2	Methylene Chloride	U	5	1.0	5	5	4
67-64-1	Acetone	U	20	1.0	20	20	9
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	1
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	2
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	2
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	3
67-66-3	Chloroform	U	5	1.0	5	5	1
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	20	1.0	20	20	7
71-43-2	Benzene	U	5	1.0	5	5	1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	1
79-01-6	Trichloroethene	U	5	1.0	5	5	2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	1
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	20	1.0	20	20	12
127-18-4	Tetrachloroethene	U	5	1.0	5	5	2
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	1
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	2
106-93-4	1,2-Dibromoethane	U	20	1.0	20	20	8
591-78-6	2-Hexanone	U	5	1.0	5	5	1
108-90-7	Chlorobenzene	U	5	1.0	5	5	1
100-41-4	Ethylbenzene	U	15	1.0	15	15	3
1330-20-7	Xylenes (total)	U	10	1.0	10	10	2
	m+p-Xylenes	U	5	1.0	5	5	0.9
95-47-6	o-Xylene	U	5	1.0	5	5	1
100-42-5	Styrene	U	5	1.0	5	5	1
75-25-2	Bromoform	U	5	1.0	5	5	2
98-82-8	Isopropylbenzene	U	5	1.0	5	5	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL
% Solids: 100

Lab ID: WG2477-2
Client ID: WG2477-Blank
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	2
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	1
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.9
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	2
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		113%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		108%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PC No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2222-2
Client ID: WG2222-BLANK
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.3
	m+p-Xylenes	U	10	1.0	10	10	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2222-2
Client ID: WG2222-BLANK
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	J	0.7	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	J	1	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		112%				
17060-07-0	1,2-Dichloroethane-D4		112%				
2037-26-5	Toluene-D8		112%				
460-00-4	P-Bromofluorobenzene		115%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER
% Solids: NA

Lab ID: SPLPBLK050603A
Client ID: SPLPBLK050603A
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	J	3	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.3
	m+p-Xylenes	U	10	1.0	10	10	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER
% Solids: NA

Lab ID: SPLPBLK050603A
Client ID: SPLPBLK050603A
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		111%				
17060-07-0	1,2-Dichloroethane-D4		106%				
2037-26-5	Toluene-D8		112%				
460-00-4	P-Bromofluorobenzene		112%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER

Lab ID: WG2222-1
Client ID: WG2222-LCS
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
m+p-Xylenes	100	NA	102	102	88-122
o-Xylene	50	NA	51	103	90-123
trans-1,2-Dichloroethene	50	NA	50	100	84-131
cis-1,2-Dichloroethene	50	NA	52	103	84-123
Dichlorodifluoromethane	50	NA	49	99	4-217
Chloromethane	50	NA	50	100	40-163
Vinyl chloride	50	NA	50	100	55-151
Bromomethane	50	NA	52	105	24-217
Chloroethane	50	NA	51	102	69-134
Trichlorofluoromethane	50	NA	50	99	71-147
1,1-Dichloroethene	50	NA	51	103	78-136
Carbon Disulfide	50	NA	51	101	70-136
Freon-113	50	NA	51	101	60-140
Methylene Chloride	50	NA	50	99	52-115
Acetone	50	NA	59	118	0-158
Methyl tert-butyl ether	50	NA	101	* 202	62-130
1,1-Dichloroethane	50	NA	52	104	81-134
1,2-Dichloroethylene (total)	100	NA	102	102	84-131
Chloroform	50	NA	51	103	80-130
Carbon Tetrachloride	50	NA	52	105	74-137
1,1,1-Trichloroethane	50	NA	51	102	76-138
2-Butanone	50	NA	52	103	49-154
Benzene	50	NA	52	104	88-120
Cyclohexane	50	NA	50	99	60-140
1,2-Dichloroethane	50	NA	52	103	78-138
Trichloroethene	50	NA	51	102	80-125
1,2-Dichloropropane	50	NA	51	103	80-122
Bromodichloromethane	50	NA	52	104	83-133
cis-1,3-dichloropropene	50	NA	52	104	81-138
Toluene	50	NA	52	103	88-121
4-methyl-2-pentanone	50	NA	48	97	72-140
Tetrachloroethene	50	NA	52	103	77-129
trans-1,3-Dichloropropene	50	NA	53	105	81-149
1,1,2-Trichloroethane	50	NA	51	101	82-126
Dibromochloromethane	50	NA	53	105	80-133
1,2-Dibromoethane	50	NA	51	101	88-127
2-Hexanone	50	NA	50	99	45-146
Chlorobenzene	50	NA	50	100	84-123
Ethylbenzene	50	NA	52	104	84-131
Xylenes (total)	150	NA	153	102	88-123
Styrene	50	NA	51	102	87-131
Bromoform	50	NA	52	103	77-138
Isopropylbenzene	50	NA	51	102	88-125
1,1,2,2-Tetrachloroethane	50	NA	52	105	81-131
1,3-Dichlorobenzene	50	NA	54	108	86-124

FORM III VOA-1

M8602.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/07/03
Report Date: 06/02/2003
Matrix: WATER

Lab ID: WG2222-1
Client ID: WG2222-LCS
SDG: WT0984
Extracted by:
Extraction Method: SW846 5030
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2222
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,4-Dichlorobenzene	50	NA	53	105	80-127
1,2-Dichlorobenzene	50	NA	52	103	86-126
1,2-Dibromo-3-Chloropropane	50	NA	50	101	61-136
1,2,4-Trichlorobenzene	50	NA	55	109	53-157
Methyl Acetate	50	NA	59	118	60-140
Methylcyclohexane	50	NA	49	99	60-140

FORM III VOA-1

M8602.D

Data File: \\Target_server\GG\chem\gcms-m.i\M050703B.b\M8602.D
Report Date: 02-Jun-2003 11:19

Katahdin Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: WG2222-1
Level: LOW
Data Type: MS DATA
SpikeList File: SW8260OLM.spk
Sublist File: all.sub
Method File: \\Target_server\GG\chem\gcms-m.i\M050703B.b\8260olm.m
Misc Info: SW846 8260B

Client SDG: WT0984
Fraction: VOA
Client Smp ID: WG2222-LCS
Operator: BEG
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	49.3	98.59	4-217
2 Chloromethane	50.0	49.9	99.80	40-163
3 Vinyl chloride	50.0	49.9	99.86	55-151
4 Bromomethane	50.0	52.4	104.74	24-217
5 Chloroethane	50.0	51.2	102.45	69-134
6 Trichlorofluoromet	50.0	49.6	99.29	71-147
9 1,1-Dichloroethene	50.0	51.3	102.56	78-136
11 Freon-113	50.0	50.6	101.31	60-140
15 Acetone	50.0	58.8	117.59	0-158
10 Carbon Disulfide	50.0	50.7	101.43	70-136
150 Methyl Acetate	50.0	59.2	118.35	60-140
14 Methylene Chloride	50.0	49.5	98.99	52-115
17 trans-1,2-Dichloro	50.0	50.2	100.42	84-131
19 Methyl tert-butyl	50.0	101	202.09*	62-130
26 1,1-Dichloroethane	50.0	51.8	103.65	81-134
30 cis-1,2-Dichloroet	50.0	51.6	103.18	84-123
41 2-Butanone	50.0	51.7	103.46	49-154
35 Chloroform	50.0	51.4	102.91	80-130
39 1,1,1-Trichloroeth	50.0	51.0	101.91	76-138
44 Cyclohexane	50.0	49.6	99.17	60-140
36 Carbon Tetrachlori	50.0	52.5	104.97	74-137
42 Benzene	50.0	51.8	103.72	88-120
49 1,2-Dichloroethane	50.0	51.5	103.04	78-138
50 Trichloroethene	50.0	51.0	101.90	80-125
151 Methylcyclohexane	50.0	49.4	98.77	60-140
53 1,2-Dichloropropan	50.0	51.4	102.76	80-122
54 Bromodichlorometha	50.0	52.0	103.90	83-133
55 cis-1,3-dichloropr	50.0	51.9	103.80	81-138
61 4-methyl-2-pentano	50.0	48.3	96.61	72-140
60 Toluene	50.0	51.7	103.45	88-121
63 trans-1,3-Dichloro	50.0	52.6	105.13	81-149
64 1,1,2-Trichloroeth	50.0	50.7	101.43	82-126
62 Tetrachloroethene	50.0	51.5	102.98	77-129
68 2-Hexanone	50.0	49.7	99.47	45-146
65 Dibromochlorometha	50.0	52.6	105.16	80-133
67 1,2-Dibromoethane	50.0	50.6	101.10	88-127
70 Chlorobenzene	50.0	50.2	100.44	84-123
71 Ethylbenzene	50.0	51.8	103.57	84-131
74 m+p-Xylenes	100	102	101.98	88-122
75 o-Xylene	50.0	51.4	102.74	90-123

Data File: \\Target_server\GG\chem\gcms-m.i\M050703B.b\M8602.D
Report Date: 02-Jun-2003 11:19

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
M 73 Xylenes (total)	150	153	102.23	88-123
76 Styrene	50.0	50.8	101.62	87-131
77 Bromoform	50.0	51.6	103.12	77-138
78 Isopropylbenzene	50.0	51.1	102.23	88-125
85 1,1,2,2-Tetrachlor	50.0	52.4	104.85	81-131
94 1,3-Dichlorobenzen	50.0	53.8	107.54	86-124
96 1,4-Dichlorobenzen	50.0	52.6	105.15	80-127
99 1,2-Dichlorobenzen	50.0	51.7	103.33	86-126
100 1,2-Dibromo-3-Chlo	50.0	50.3	100.58	61-136
103 1,2,4-Trichloroben	50.0	54.6	109.26	53-157
M 31 1,2-Dichloroethyle	100	102	101.80	84-131

SURROGATE COMPOUND	AMOUNT ADDED ug/kg	AMOUNT RECOVERED ug/kg	% RECOVERED	LIMITS
$ 38 Dibromofluorometha	50.0	56.2	112.33	75-129
$ 46 1,2-Dichloroethane	50.0	54.8	109.66	65-135
$ 58 Toluene-D8	50.0	57.2	114.35	82-120
$ 79 P-Bromofluorobenze	50.0	56.1	112.24	69-125

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL

Lab ID: WG2477-1
Client ID: WG2477-LCS
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
m+p-Xylenes	100	NA	102	102	88-122
o-Xylene	50	NA	50	101	90-123
trans-1,2-Dichloroethene	50	NA	50	99	84-131
cis-1,2-Dichloroethene	50	NA	49	99	84-123
Dichlorodifluoromethane	50	NA	38	76	4-217
Chloromethane	50	NA	38	77	40-163
Vinyl chloride	50	NA	43	86	55-151
Bromomethane	50	NA	43	85	24-217
Chloroethane	50	NA	45	90	69-134
Trichlorofluoromethane	50	NA	45	90	71-147
1,1-Dichloroethene	50	NA	49	98	78-136
Carbon Disulfide	50	NA	48	95	70-136
Freon-113	50	NA	50	99	60-140
Methylene Chloride	50	NA	48	96	52-115
Acetone	50	NA	46	91	0-158
Methyl tert-butyl ether	50	NA	104	* 208	62-130
1,1-Dichloroethane	50	NA	48	95	81-134
1,2-Dichloroethylene (total)	100	NA	99	99	84-131
Chloroform	50	NA	49	98	80-130
Carbon Tetrachloride	50	NA	48	96	74-137
1,1,1-Trichloroethane	50	NA	49	98	76-138
2-Butanone	50	NA	49	99	49-154
Benzene	50	NA	50	100	88-120
Cyclohexane	50	NA	49	97	60-140
1,2-Dichloroethane	50	NA	50	101	78-138
Trichloroethene	50	NA	50	100	80-125
1,2-Dichloropropane	50	NA	49	98	80-122
Bromodichloromethane	50	NA	52	105	83-133
cis-1,3-dichloropropene	50	NA	54	107	81-138
Toluene	50	NA	49	98	88-121
4-methyl-2-pentanone	50	NA	54	108	72-140
Tetrachloroethene	50	NA	52	104	77-129
trans-1,3-Dichloropropene	50	NA	50	100	81-149
1,1,2-Trichloroethane	50	NA	53	105	82-126
Dibromochloromethane	50	NA	53	106	80-133
1,2-Dibromoethane	50	NA	54	108	88-127
2-Hexanone	50	NA	51	102	45-146
Chlorobenzene	50	NA	50	100	84-123
Ethylbenzene	50	NA	49	98	84-131
Xylenes (total)	150	NA	153	102	88-123
Styrene	50	NA	53	106	87-131
Bromoform	50	NA	55	111	77-138
Isopropylbenzene	50	NA	48	96	88-125
1,1,2,2-Tetrachloroethane	50	NA	50	99	81-131
1,3-Dichlorobenzene	50	NA	50	100	86-124

FORM III VOA-2

Q0291.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/08/03
Report Date: 06/02/2003
Matrix: SOIL

Lab ID: WG2477-1
Client ID: WG2477-LCS
SDG: WT0984
Extracted by:
Extraction Method: SW846 5035
Analyst: BEG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2477
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,4-Dichlorobenzene	50	NA	49	98	80-127
1,2-Dichlorobenzene	50	NA	50	100	86-126
1,2-Dibromo-3-Chloropropane	50	NA	50	99	61-136
1,2,4-Trichlorobenzene	50	NA	47	93	53-157
Methyl Acetate	50	NA	51	103	60-140
Methylcyclohexane	50	NA	49	99	60-140

FORM III VOA-2

Q0291.D

Data File: \\Target_server\GG\chem\gcms-q.i\Q050803B.b\Q0291.D
Report Date: 02-Jun-2003 10:49

Katahdin Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: WG2477-1
Level: LOW
Data Type: MS DATA
SpikeList File: SW8260OLM.spk
Sublist File: all.sub
Method File: \\Target_server\GG\chem\gcms-q.i\Q050803B.b\82olmsl.m
Misc Info: SW846 8260B

Client SDG: WT0984
Fraction: VOA
Client Smp ID: WG2477-LCS
Operator: BEG
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	38.2	76.48	4-217
2 Chloromethane	50.0	38.4	76.72	40-163
3 Vinyl chloride	50.0	42.8	85.66	55-151
4 Bromomethane	50.0	42.6	85.26	24-217
5 Chloroethane	50.0	44.8	89.59	69-134
6 Trichlorofluoromet	50.0	44.9	89.90	71-147
9 1,1-Dichloroethene	50.0	49.1	98.15	78-136
11 Freon-113	50.0	49.7	99.45	60-140
15 Acetone	50.0	45.5	91.06	0-158
10 Carbon Disulfide	50.0	47.6	95.28	70-136
150 Methyl Acetate	50.0	51.4	102.76	60-140
14 Methylene Chloride	50.0	48.2	96.39	52-115
17 trans-1,2-Dichloro	50.0	49.6	99.15	84-131
19 Methyl tert-butyl	50.0	104	207.13*	62-130
26 1,1-Dichloroethane	50.0	47.7	95.34	81-134
30 cis-1,2-Dichloroet	50.0	49.3	98.58	84-123
41 2-Butanone	50.0	49.3	98.58	49-154
35 Chloroform	50.0	48.9	97.73	80-130
39 1,1,1-Trichloroeth	50.0	48.8	97.56	76-138
44 Cyclohexane	50.0	48.6	97.15	60-140
36 Carbon Tetrachlori	50.0	47.8	95.63	74-137
42 Benzene	50.0	49.9	99.82	88-120
49 1,2-Dichloroethane	50.0	50.5	101.06	78-138
50 Trichloroethene	50.0	50.1	100.25	80-125
151 Methylcyclohexane	50.0	49.4	98.82	60-140
53 1,2-Dichloropropan	50.0	49.1	98.24	80-122
54 Bromodichlorometha	50.0	52.3	104.67	83-133
55 cis-1,3-dichloropr	50.0	53.7	107.49	81-138
61 4-methyl-2-pentano	50.0	53.9	107.80	72-140
60 Toluene	50.0	49.1	98.14	88-121
63 trans-1,3-Dichloro	50.0	50.2	100.44	81-149
64 1,1,2-Trichloroeth	50.0	52.7	105.39	82-126
62 Tetrachloroethene	50.0	51.8	103.62	77-129
68 2-Hexanone	50.0	50.8	101.60	45-146
65 Dibromochlorometha	50.0	53.0	106.08	80-133
67 1,2-Dibromoethane	50.0	53.8	107.64	88-127
70 Chlorobenzene	50.0	50.1	100.13	84-123
71 Ethylbenzene	50.0	49.2	98.46	84-131
74 m+p-Xylenes	100	102	102.45	88-122
75 o-Xylene	50.0	50.4	100.71	90-123

Data File: \\Target_server\GG\chem\gcms-q.i\Q050803B.b\Q0291.D
Report Date: 02-Jun-2003 10:49

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
M 73 Xylenes (total)	150	153	101.87	88-123
76 Styrene	50.0	52.9	105.83	87-131
77 Bromoform	50.0	55.4	110.83	77-138
78 Isopropylbenzene	50.0	47.9	95.78	88-125
85 1,1,2,2-Tetrachlor	50.0	49.7	99.47	81-131
94 1,3-Dichlorobenzen	50.0	50.0	99.94	86-124
96 1,4-Dichlorobenzen	50.0	49.1	98.19	80-127
99 1,2-Dichlorobenzen	50.0	50.0	100.04	86-126
100 1,2-Dibromo-3-Chlo	50.0	49.6	99.26	61-136
103 1,2,4-Trichloroben	50.0	46.6	93.13	53-157
M 31 1,2-Dichloroethyle	100	98.9	98.86	84-131

SURROGATE COMPOUND	AMOUNT ADDED ug/kg	AMOUNT RECOVERED ug/kg	% RECOVERED	LIMITS
$ 38 Dibromofluorometha	50.0	51.6	103.11	69-148
$ 46 1,2-Dichloroethane	50.0	47.9	95.88	66-149
$ 58 Toluene-D8	50.0	47.4	94.92	68-147
$ 79 P-Bromofluorobenze	50.0	45.9	91.84	64-152

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

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	WG2250-BLANK	WG2250-1	64	71	60	66	84	57			0
02	WG2250-LCS	WG2250-2	79	79	82	88	93	89			0
03	WG2250-LCSD	WG2250-3	71	72	77	80	85	86			0
04	WG2250-BLANK	WG2250-1A	117*	119*	137*	136*	103	177*			5
05	PCYS10Z506	WT0984-6	66	69	76	79	77	83			0
06	PCYS10Z1406	WT0984-5	88	86	105	104	96	91			0
07	PCYS10Z1404	WT0984-4	72	71	78	79	84	74			0
08	PCYS10Z906	WT0984-3	72	73	83	90	74	113			0
09	PCYS10Z904	WT0984-2	66	71	93	86	71	85			0
10	PCYS10Z306	WT0984-1DL2	85	77	103	92	92	85			0
11	PCYS10Z904	WT0984-2RA	66	72	89	87	58	90			0
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(15-106)
S2 (PHL)	= Phenol-D6	(30-105)
S3 (NBZ)	= Nitrobenzene-D5	(14-107)
S4 (FBP)	= 2-Fluorobiphenyl	(32-109)
S5 (TBP)	= 2,4,6-Tribromophenol	(16-115)
S6 (TPH)	= Terphenyl-D14	(26-116)

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

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG2202-BLANK	WG2202-1	64	54	74	74	100	105			0
02	WG2202-LCS	WG2202-2	74	71	88	77	86	89			0
03	WG2202-LCSD	WG2202-3	70	65	92	90	102	93			0
04	PBP607A-V	PBP607A-V	74	71	80	81	90	101			0
05	PCYS10Z906	WT0984-7	7*	29	56	61	9*	90			2
06	PCYS10Z1404	WT0984-8	67	63	72	78	74	127*			1
07	PCYS10Z506	WT0984-9	56	59	68	74	106	99			0
08	PCYS10Z1404	WT0984-8RA	59	49	72	73	114	79			0
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(20- 95)
S2 (PHL)	= Phenol-D6	(10-115)
S3 (NBZ)	= Nitrobenzene-D5	(36-117)
S4 (FBP)	= 2-Fluorobiphenyl	(47-114)
S5 (TBP)	= 2,4,6-Tribromophenol	(20-137)
S6 (TPH)	= Terphenyl-D14	(35-126)

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

FORM II SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Lab File ID (Standard): K4367 Date Analyzed: 05/28/03

Instrument ID: GCMS-K Time Analyzed: 1522

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		350315	19.16	192119	25.49	108474	28.65
UPPER LIMIT		700630	19.66	384238	25.99	216948	29.15
LOWER LIMIT		175158	18.66	96060	24.99	54237	28.15
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2202-BLANK	WG2202-1	233071	19.16	140882	25.48	95834	28.66
02	WG2202-LCS	WG2202-2	297312	19.16	158742	25.49	93022	28.66
03	WG2202-LCSD	WG2202-3	285773	19.17	186920	25.49	115227	28.66
04	PBP607A-V	PBP607A-V	201929	19.17	124340	25.50	71701	28.65
05	PCYS10Z906	WT0984-7	233697	19.16	158509	25.49	92098	28.66
06	PCYS10Z1404	WT0984-8	212479	19.16	90150*	25.49	49359*	28.66
07	PCYS10Z506	WT0984-9	279637	19.17	175507	25.49	101289	28.66
08	WG2250-BLANK	WG2250-1A	337518	19.16	165050	25.50	100257	28.67
09	PCYS10Z506	WT0984-6	309785	19.17	208537	25.50	144325	28.67
10	PCYS10Z1406	WT0984-5	247047	19.18	143474	25.52	104957	28.69
11	PCYS10Z1404	WT0984-4	341431	19.19	215336	25.53	154449	28.70
12	PCYS10Z906	WT0984-3	268390	19.19	105289	25.53	70920	28.71
13	PCYS10Z904	WT0984-2	152764*	19.22	61660*	25.54	40037*	28.71
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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Lab File ID (Standard): K4382 Date Analyzed: 05/29/03

Instrument ID: GCMS-K Time Analyzed: 1518

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD		240920	8.72	736399	11.56	341607	15.68
UPPER LIMIT		481840	9.22	1472798	12.06	683214	16.18
LOWER LIMIT		120460	8.22	368200	11.06	170804	15.18
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	PCYS10Z1404	WT0984-8RA	132924	8.71	322779*	11.55	170614*	15.67
02	PCYS10Z306	WT0984-1DL2	183482	8.71	482439	11.56	201112	15.68
03	PCYS10Z904	WT0984-2RA	206375	8.72	490083	11.57	212242	15.71
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: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Lab File ID (Standard): K4382 Date Analyzed: 05/29/03

Instrument ID: GCMS-K Time Analyzed: 1518

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		494395	19.12	335505	25.44	213018	28.60
UPPER LIMIT		988790	19.62	671010	25.94	426036	29.10
LOWER LIMIT		247198	18.62	167753	24.94	106509	28.10
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 PCYS10Z1404	WT0984-8RA	247101*	19.11	233238	25.43	148405	28.59
02 PCYS10Z306	WT0984-1DL2	256862	19.13	173858	25.46	119429	28.63
03 PCYS10Z904	WT0984-2RA	189660*	19.15	86535*	25.46	54637*	28.64
04							
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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 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Phenol	1.493	1.546	1.464	1.508	1.338	1.438	AVRG		1.46462		4.927	15.000
Bis(2-Chloroethyl)ether	1.307	1.289	1.188	1.198	1.078	1.121	AVRG		1.19676		7.529	15.000
2-Chlorophenol	1.282	1.278	1.236	1.235	1.093	1.172	AVRG		1.21615		5.948	15.000
2,2'-Oxybis(1-Chloropropane)	2.445	2.507	2.232	2.357	1.993	2.209	AVRG		2.29031		8.139	15.000
2-Methylphenol	1.008	1.051	0.941	0.964	0.845	0.917	AVRG		0.95419		7.554	15.000
Hexachloroethane	0.604	0.601	0.577	0.575	0.471	0.502	AVRG		0.55503		9.943	15.000
N-Nitroso-di-n-propylamine	0.853	0.871	0.792	0.800	0.695	0.714	AVRG		0.78750		9.028	15.000
4-Methylphenol	1.093	1.076	0.959	0.980	0.852	0.883	AVRG		0.97384		10.076	15.000
Nitrobenzene	0.349	0.343	0.374	0.367	0.371	0.398	AVRG		0.36693		5.357	15.000
Isophorone	0.690	0.694	0.676	0.689	0.658	0.708	AVRG		0.68578		2.460	15.000
2-Nitrophenol	15874	36308	103530	203240	256370	382820	LINR	0.16930	4.99521		0.99750	0.99000
2,4-Dimethylphenol	0.361	0.354	0.358	0.352	0.346	0.365	AVRG		0.35620		1.899	15.000
Bis(2-Chloroethoxy)methane	0.462	0.454	0.435	0.441	0.412	0.447	AVRG		0.44181		3.868	15.000
2,4-Dichlorophenol	0.285	0.288	0.291	0.286	0.281	0.287	AVRG		0.28641		1.226	15.000
Naphthalene	0.978	0.923	0.913	0.892	0.834	0.886	AVRG		0.90448		5.271	15.000
4-Chloroaniline	0.377	0.392	0.388	0.385	0.358	0.390	AVRG		0.38182		3.323	15.000
Hexachlorobutadiene	0.190	0.188	0.186	0.175	0.171	0.173	AVRG		0.18054		4.576	15.000
4-Chloro-3-Methylphenol	0.270	0.280	0.293	0.287	0.281	0.307	AVRG		0.28652		4.370	15.000
2-Methylnaphthalene	0.597	0.570	0.540	0.521	0.497	0.539	AVRG		0.54388		6.493	15.000
Hexachlorocyclopentadiene	0.327	0.341	0.385	0.390	0.387	0.430	AVRG		0.37647		9.894	15.000
2,4,6-Trichlorophenol	0.397	0.382	0.415	0.395	0.397	0.424	AVRG		0.40172		3.804	15.000
2,4,5-Trichlorophenol	0.422	0.404	0.448	0.430	0.435	0.464	AVRG		0.43407		4.734	15.000
2-Chloronaphthalene	1.241	1.218	1.153	1.083	1.041	1.132	AVRG		1.14472		6.711	15.000
2-Nitroaniline	18333	41753	111490	207350	243460	419280	2ORDR	-3e-002	3.00836	-0.4846	0.99604	0.99000
Acenaphthylene	1.874	1.814	1.832	1.722	1.637	1.823	AVRG		1.78364		4.907	15.000
Dimethyl Phthalate	1.377	1.308	1.312	1.251	1.175	1.297	AVRG		1.28669		5.281	15.000
2,6-Dinitrotoluene	10516	25151	73977	134540	168940	263730	LINR	0.21044	3.17162		0.99091	0.99000
Acenaphthene	1.222	1.162	1.108	1.051	1.000	1.134	AVRG		1.11283		7.110	15.000
3-Nitroaniline	11522	26868	77687	141570	174870	287630	2ORDR	2e-002	4.12780	-0.8705	0.99741	0.99000
2,4-Dinitrophenol	2119	5237	23562	48128	67336	116880	2ORDR	0.19995	10.9924	-7.4522	0.99903	0.99000
Dibenzofuran	1.566	1.498	1.485	1.402	1.334	1.494	AVRG		1.46329		5.616	15.000
4-Nitrophenol	5294	13416	45657	79400	100840	175050	2ORDR	6e-002	7.19096	-2.8974	0.99524	0.99000
2,4-Dinitrotoluene	13312	32487	92385	175890	217050	353260	2ORDR	4e-002	3.30651	-0.5535	0.99850	0.99000
Fluorene	1.111	1.063	1.078	1.022	0.986	1.094	AVRG		1.05906		4.425	15.000
Diethylphthalate	1.345	1.305	1.248	1.212	1.132	1.315	AVRG		1.25952		6.240	15.000
4-Chlorophenyl-phenylether	0.602	0.553	0.529	0.512	0.509	0.536	AVRG		0.54021		6.319	15.000
4-Nitroaniline	6836	17613	62754	109900	140540	232520	2ORDR	9e-002	5.01262	-1.3018	0.99602	0.99000
4,6-Dinitro-2-Methylphenol	3557	9826	35082	70792	89582	155960	2ORDR	0.15696	10.1397	-5.5093	0.99969	0.99000
N-Nitrosodiphenylamine	0.580	0.564	0.548	0.545	0.537	0.578	AVRG		0.55846		3.226	15.000
4-Bromophenyl-phenylether	0.232	0.249	0.226	0.237	0.221	0.233	AVRG		0.23284		4.048	15.000
Hexachlorobenzene	0.304	0.309	0.280	0.289	0.282	0.293	AVRG		0.29288		4.031	15.000
Pentachlorophenol	7288	18983	57971	110100	129440	216200	LINR	0.21583	5.29664		0.99365	0.99000
Phenanthrene	1.128	1.108	1.028	0.998	0.970	1.052	AVRG		1.04734		5.883	15.000
Anthracene	1.041	1.022	0.997	0.983	0.950	1.033	AVRG		1.00449		3.429	15.000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Carbazole	0.884	0.846	0.826	0.774	0.723	0.820	AVRG		0.81239		6.962	15.000
Di-n-butylphthalate	1.194	1.217	1.187	1.250	1.149	1.287	AVRG		1.21394		4.044	15.000
Fluoranthene	0.937	0.879	0.894	0.877	0.842	0.912	AVRG		0.89016		3.672	15.000
Pyrene	1.557	1.545	1.435	1.389	1.381	1.396	AVRG		1.45053		5.529	15.000
Butylbenzylphthalate	0.665	0.654	0.694	0.660	0.684	0.718	AVRG		0.67920		3.609	15.000
Benzo(a)anthracene	1.030	1.005	1.046	1.000	0.973	1.080	AVRG		1.02230		3.702	15.000
Chrysene	1.085	1.012	1.024	0.956	0.950	0.989	AVRG		1.00268		4.984	15.000
3,3'-Dichlorobenzidine	0.286	0.266	0.298	0.278	0.276	0.302	AVRG		0.28457		4.803	15.000
bis(2-Ethylhexyl)phthalate	0.870	0.878	0.900	0.907	0.918	0.959	AVRG		0.90540		3.502	15.000
Di-n-octylphthalate	1.923	2.235	2.174	2.088	2.158	2.408	AVRG		2.16446		7.403	15.000
Benzo(b)fluoranthene	1.558	1.537	1.415	1.408	1.502	1.583	AVRG		1.50053		4.939	15.000
Benzo(k)fluoranthene	1.690	1.638	1.651	1.541	1.550	1.551	AVRG		1.60351		3.996	15.000
Benzo(a)pyrene	1.327	1.305	1.298	1.238	1.293	1.386	AVRG		1.30779		3.704	15.000
Indeno(1,2,3-cd)pyrene	1.015	1.122	1.179	1.110	1.247	1.382	AVRG		1.17603		10.806	15.000
Dibenzo(a,h)anthracene	1.060	1.092	1.198	1.114	1.263	1.337	AVRG		1.17742		9.157	15.000
Benzo(g,h,i)perylene	1.123	1.167	1.245	1.157	1.301	1.388	AVRG		1.23025		8.198	15.000
Benzaldehyde	0.142	0.169	0.229	0.284	0.265	0.166	AVRG		0.20905		27.926	15.000 <-
Acetophenone	1.719	1.689	1.585	1.653	1.445	1.563	AVRG		1.60905		6.220	15.000
Caprolactam	0.086	0.098	0.106	0.103	0.098	0.112	AVRG		0.10032		8.686	15.000
1,1'-Biphenyl	1.560	1.510	1.468	1.363	1.330	1.438	AVRG		1.44500		6.034	15.000
Atrazine	0.208	0.214	0.203	0.202	0.195	0.210	AVRG		0.20525		3.282	15.000
2-Fluorophenol	1.189	1.199	1.198	1.214	1.127	1.212	AVRG		1.18972		2.706	15.000
Phenol-D6	1.504	1.455	1.423	1.429	1.297	1.367	AVRG		1.41253		5.103	15.000
Nitrobenzene-D5	0.300	0.316	0.354	0.338	0.358	0.393	AVRG		0.34309		9.637	15.000
2-Fluorobiphenyl	1.305	1.246	1.218	1.166	1.132	1.228	AVRG		1.21599		4.979	15.000
2,4,6-Tribromophenol	0.168	0.169	0.192	0.188	0.191	0.213	AVRG		0.18673		8.974	15.000
Terphenyl-D14	0.986	0.917	0.892	0.872	0.858	0.874	AVRG		0.89992		5.187	15.000

Average %RSD test result.

Calculate Average %RSD: 6.687792778
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-X Calibration Date(s): 05/12/03 05/12/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1209 1549

LAB FILE ID: RF10: X2674 RF20: X2676 RF50: X2678
RF80: X2677 RF120: X2675 RF160: X2673

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Phenol	1.728	1.721	1.710	1.578	1.340	1.529	AVRG		1.60113		9.525	15.000
Bis(2-Chloroethyl)ether	1.340	1.305	1.246	1.274	1.111	1.179	AVRG		1.24259		6.816	15.000
2-Chlorophenol	1.355	1.313	1.300	1.236	1.114	1.107	AVRG		1.23775		8.534	15.000
2,2'-Oxybis(1-Chloropropane)	2.148	2.159	1.986	2.078	1.926	2.003	AVRG		2.04990		4.577	15.000
2-Methylphenol	1.110	1.089	1.067	1.068	0.921	0.991	AVRG		1.04100		6.833	15.000
Hexachloroethane	0.685	0.646	0.654	0.620	0.496	0.515	AVRG		0.60272		12.959	15.000
N-Nitroso-di-n-propylamine	0.963	0.948	0.904	0.950	0.792	0.843	AVRG		0.90002		7.626	15.000
4-Methylphenol	1.038	1.085	1.056	1.054	0.891	1.012	AVRG		1.02277		6.743	15.000
Nitrobenzene	0.440	0.456	0.497	0.447	0.454	0.478	AVRG		0.46213		4.648	15.000
Isophorone	0.808	0.800	0.766	0.765	0.718	0.824	AVRG		0.78012		4.927	15.000
2-Nitrophenol	0.213	0.209	0.210	0.197	0.187	0.214	AVRG		0.20513		5.296	15.000
2,4-Dimethylphenol	0.398	0.429	0.410	0.393	0.338	0.390	AVRG		0.39295		7.781	15.000
Bis(2-Chloroethoxy)methane	0.484	0.466	0.481	0.453	0.439	0.455	AVRG		0.46297		3.722	15.000
2,4-Dichlorophenol	0.299	0.273	0.276	0.268	0.248	0.273	AVRG		0.27298		5.887	15.000
Naphthalene	1.041	0.968	0.916	0.856	0.877	0.868	AVRG		0.92107		7.759	15.000
4-Chloroaniline	0.455	0.407	0.416	0.419	0.405	0.404	AVRG		0.41770		4.602	15.000
Hexachlorobutadiene	0.199	0.166	0.168	0.154	0.156	0.150	AVRG		0.16543		10.810	15.000
4-Chloro-3-Methylphenol	0.317	0.334	0.335	0.338	0.264	0.296	AVRG		0.31407		9.278	15.000
2-Methylnaphthalene	0.589	0.569	0.557	0.538	0.461	0.500	AVRG		0.53569		8.881	15.000
Hexachlorocyclopentadiene	0.369	0.324	0.364	0.326	0.333	0.383	AVRG		0.34970		7.267	15.000
2,4,6-Trichlorophenol	0.382	0.381	0.405	0.375	0.372	0.393	AVRG		0.38459		3.242	15.000
2,4,5-Trichlorophenol	0.459	0.423	0.438	0.404	0.408	0.451	AVRG		0.43042		5.285	15.000
2-Chloronaphthalene	1.151	1.132	1.141	1.015	0.917	0.995	AVRG		1.05848		9.123	15.000
2-Nitroaniline	0.546	0.557	0.608	0.561	0.516	0.596	AVRG		0.56393		5.939	15.000
Acenaphthylene	1.861	1.869	1.825	1.649	1.556	1.661	AVRG		1.73676		7.599	15.000
Dimethyl Phthalate	1.367	1.327	1.326	1.272	1.178	1.261	AVRG		1.28846		5.182	15.000
2,6-Dinitrotoluene	0.308	0.314	0.308	0.290	0.291	0.318	AVRG		0.30494		3.803	15.000
Acenaphthene	1.154	1.111	1.096	1.010	0.961	0.966	AVRG		1.04970		7.729	15.000
3-Nitroaniline	0.336	0.329	0.359	0.344	0.340	0.373	AVRG		0.34692		4.705	15.000
2,4-Dinitrophenol	25267	53405	125020	225190	395860	865160	2ORDR	4e-002	6.64715	-2.4851	0.99838	0.99000
Dibenzofuran	1.585	1.482	1.484	1.383	1.175	1.383	AVRG		1.41541		9.882	15.000
4-Nitrophenol	0.232	0.259	0.285	0.257	0.228	0.241	AVRG		0.25043		8.476	15.000
2,4-Dinitrotoluene	0.412	0.410	0.420	0.414	0.410	0.425	AVRG		0.41502		1.469	15.000
Fluorene	1.267	1.139	1.135	1.010	0.953	0.944	AVRG		1.07472		11.817	15.000
Diethylphthalate	1.425	1.345	1.312	1.243	1.115	1.056	AVRG		1.24938		11.299	15.000
4-Chlorophenyl-phenylether	0.621	0.531	0.516	0.496	0.482	0.499	AVRG		0.52397		9.608	15.000
4-Nitroaniline	0.313	0.277	0.321	0.303	0.292	0.343	AVRG		0.30825		7.462	15.000
4,6-Dinitro-2-Methylphenol	0.122	0.126	0.155	0.159	0.155	0.172	AVRG		0.14827		13.358	15.000
N-Nitrosodiphenylamine	0.583	0.551	0.540	0.514	0.461	0.503	AVRG		0.52550		8.086	15.000
4-Bromophenyl-phenylether	0.239	0.205	0.204	0.191	0.178	0.188	AVRG		0.20073		10.670	15.000
Hexachlorobenzene	0.269	0.223	0.217	0.214	0.212	0.229	AVRG		0.22725		9.367	15.000
Pentachlorophenol	0.155	0.143	0.142	0.149	0.161	0.178	AVRG		0.15497		8.655	15.000
Phenanthrene	1.184	1.070	1.068	0.995	0.941	0.956	AVRG		1.03575		8.762	15.000
Anthracene	1.165	1.043	1.048	0.970	0.895	0.940	AVRG		1.01012		9.516	15.000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-X Calibration Date(s): 05/12/03 05/12/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1209 1549

LAB FILE ID: RF10: X2674 RF20: X2676 RF50: X2678
RF80: X2677 RF120: X2675 RF160: X2673

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Carbazole	1.083	1.003	0.961	0.912	0.841	0.840	AVRG		0.94009		10.124	15.000	
Di-n-butylphthalate	1.440	1.397	1.426	1.424	1.326	1.245	AVRG		1.37646		5.520	15.000	
Fluoranthene	1.184	1.007	1.005	0.955	0.915	0.913	AVRG		0.99648		10.093	15.000	
Pyrene	1.381	1.548	1.581	1.412	1.645	1.637	AVRG		1.53402		7.356	15.000	
Butylbenzylphthalate	0.715	0.850	0.888	0.904	0.860	0.828	AVRG		0.84076		8.022	15.000	
Benzo(a)anthracene	1.151	1.093	1.110	1.087	1.053	1.131	AVRG		1.10418		3.136	15.000	
Chrysene	1.130	1.032	1.028	0.972	0.903	0.945	AVRG		1.00174		7.963	15.000	
3,3'-Dichlorobenzidine	96043	99754	161980	288120	372540	677440	LINR	-0.1491	4.78065		0.99842	0.99000	
bis(2-Ethylhexyl)phthalate	0.975	1.041	1.070	1.123	1.103	1.004	AVRG		1.05276		5.450	15.000	
Di-n-octylphthalate	2.146	3.012	2.992	3.161	3.012	2.512	AVRG		2.80587		13.965	15.000	
Benzo(b)fluoranthene	1.497	1.588	1.605	1.510	1.567	1.526	AVRG		1.54897		2.862	15.000	
Benzo(k)fluoranthene	1.652	1.672	1.659	1.457	1.420	1.428	AVRG		1.54797		8.055	15.000	
Benzo(a)pyrene	1.445	1.414	1.427	1.338	1.303	1.355	AVRG		1.38025		4.090	15.000	
Indeno(1,2,3-cd)pyrene	1.230	1.013	1.105	1.097	1.072	1.268	AVRG		1.13089		8.646	15.000	
Dibenzo(a,h)anthracene	1.174	1.051	1.060	0.993	1.034	1.103	AVRG		1.06891		5.862	15.000	
Benzo(g,h,i)perylene	1.280	1.094	1.164	1.110	1.014	1.219	AVRG		1.14691		8.281	15.000	
Benzaldehyde	0.208	0.204	0.265	0.403	0.283	0.165	AVRG		0.25502		33.087	15.000	<-
Acetophenone	1.675	1.735	1.702	1.720	1.408	1.588	AVRG		1.63821		7.586	15.000	
Caprolactam	0.120	0.111	0.110	0.112	0.108	0.114	AVRG		0.11275		3.723	15.000	
1,1'-Biphenyl	1.520	1.450	1.444	1.241	1.200	1.091	AVRG		1.32424		12.868	15.000	
Atrazine	0.249	0.225	0.217	0.222	0.206	0.212	AVRG		0.22201		6.732	15.000	
2-Fluorophenol	1.362	1.440	1.457	1.358	1.258	1.421	AVRG		1.38273		5.283	15.000	
Phenol-D6	1.620	1.634	1.574	1.554	1.460	1.584	AVRG		1.57100		3.936	15.000	
Nitrobenzene-D5	0.453	0.464	0.456	0.433	0.410	0.470	AVRG		0.44762		5.052	15.000	
2-Fluorobiphenyl	1.315	1.265	1.252	1.117	1.012	1.135	AVRG		1.18252		9.635	15.000	
2,4,6-Tribromophenol	0.233	0.155	0.151	0.150	0.172	0.184	AVRG		0.17426		18.377	15.000	<-
Terphenyl-D14	0.850	0.895	0.876	0.858	0.875	0.976	AVRG		0.88837		5.142	15.000	

Average %RSD test result.

Calculate Average %RSD: 8.507471085
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-X Calibration Date(s): 05/21/03 05/21/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1437 1956

LAB FILE ID: RF10: X2811 RF20: X2813 RF50: X2815
RF80: X2814 RF120: X2812 RF160: X2816

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
Phenol	1.751	1.521	1.613	1.761	1.633	1.355	AVRG		1.60563	9.477	15.000
Bis(2-Chloroethyl)ether	1.399	1.355	1.168	1.348	1.233	1.060	AVRG		1.26052	10.371	15.000
2-Chlorophenol	1.396	1.368	1.207	1.354	1.254	1.153	AVRG		1.28868	7.622	15.000
2,2'-Oxybis(1-Chloropropane)	2.721	2.746	2.511	2.723	2.654	2.401	AVRG		2.62592	5.316	15.000
2-Methylphenol	1.228	1.045	1.048	1.177	1.115	0.957	AVRG		1.09495	8.989	15.000
Hexachloroethane	0.608	0.556	0.560	0.577	0.557	0.461	AVRG		0.55311	8.932	15.000
N-Nitroso-di-n-propylamine	0.854	0.879	0.794	0.865	0.770	0.701	AVRG		0.81050	8.450	15.000
4-Methylphenol	1.213	1.090	1.103	1.216	1.141	0.999	AVRG		1.12716	7.301	15.000
Nitrobenzene	0.400	0.371	0.368	0.369	0.368	0.358	AVRG		0.37240	3.855	15.000
Isophorone	0.731	0.649	0.667	0.670	0.697	0.613	AVRG		0.67129	6.014	15.000
2-Nitrophenol	0.202	0.206	0.215	0.223	0.221	0.200	AVRG		0.21136	4.690	15.000
2,4-Dimethylphenol	0.338	0.311	0.317	0.336	0.340	0.278	AVRG		0.31999	7.422	15.000
Bis(2-Chloroethoxy)methane	0.435	0.416	0.432	0.440	0.448	0.415	AVRG		0.43090	3.103	15.000
2,4-Dichlorophenol	0.318	0.265	0.285	0.295	0.296	0.258	AVRG		0.28643	7.712	15.000
Naphthalene	1.082	1.057	0.929	0.941	0.914	0.872	AVRG		0.96565	8.701	15.000
4-Chloroaniline	0.407	0.386	0.404	0.410	0.417	0.381	AVRG		0.40094	3.532	15.000
Hexachlorobutadiene	0.154	0.146	0.151	0.151	0.148	0.139	AVRG		0.14823	3.556	15.000
4-Chloro-3-Methylphenol	0.280	0.242	0.266	0.287	0.286	0.238	AVRG		0.26666	8.148	15.000
2-Methylnaphthalene	0.567	0.568	0.598	0.598	0.582	0.481	AVRG		0.56588	7.730	15.000
Hexachlorocyclopentadiene	0.250	0.258	0.309	0.335	0.332	0.316	AVRG		0.29993	12.356	15.000
2,4,6-Trichlorophenol	0.403	0.346	0.381	0.409	0.402	0.374	AVRG		0.38572	6.206	15.000
2,4,5-Trichlorophenol	0.369	0.368	0.423	0.440	0.439	0.418	AVRG		0.41300	6.975	15.000
2-Chloronaphthalene	1.232	1.060	1.107	1.139	1.069	0.956	AVRG		1.09381	8.367	15.000
2-Nitroaniline	0.386	0.384	0.395	0.429	0.423	0.375	AVRG		0.39876	5.543	15.000
Acenaphthylene	1.906	1.812	1.748	1.787	1.735	1.542	AVRG		1.75500	6.873	15.000
Dimethyl Phthalate	1.280	1.164	1.165	1.218	1.225	1.073	AVRG		1.18740	5.962	15.000
2,6-Dinitrotoluene	0.261	0.259	0.301	0.308	0.325	0.278	AVRG		0.28875	9.280	15.000
Acenaphthene	1.229	1.162	1.090	1.095	1.037	0.954	AVRG		1.09452	8.723	15.000
3-Nitroaniline	0.300	0.305	0.336	0.349	0.342	0.296	AVRG		0.32126	7.315	15.000
2,4-Dinitrophenol	7332	15417	96041	171020	267930	312150	LINR	0.25698	5.05832	0.99289	0.99000
Dibenzofuran	1.660	1.444	1.448	1.507	1.511	1.253	AVRG		1.47028	9.004	15.000
4-Nitrophenol	0.126	0.111	0.125	0.123	0.135	0.125	AVRG		0.12438	6.222	15.000
2,4-Dinitrotoluene	0.340	0.331	0.386	0.416	0.411	0.368	AVRG		0.37557	9.396	15.000
Fluorene	1.226	1.109	1.098	1.120	1.061	0.965	AVRG		1.09643	7.733	15.000
Diethylphthalate	1.196	1.079	1.031	1.067	1.035	0.910	AVRG		1.05297	8.762	15.000
4-Chlorophenyl-phenylether	0.588	0.592	0.552	0.582	0.570	0.550	AVRG		0.57242	3.187	15.000
4-Nitroaniline	0.238	0.269	0.321	0.337	0.336	0.303	AVRG		0.30096	13.222	15.000
4,6-Dinitro-2-Methylphenol	13537	25482	139380	247090	351920	393220	LINR	0.14234	5.45152	0.99130	0.99000
N-Nitrosodiphenylamine	0.665	0.594	0.604	0.636	0.572	0.523	AVRG		0.59885	8.263	15.000
4-Bromophenyl-phenylether	0.237	0.235	0.242	0.258	0.240	0.224	AVRG		0.23937	4.580	15.000
Hexachlorobenzene	0.281	0.287	0.282	0.285	0.267	0.272	AVRG		0.27916	2.752	15.000
Pentachlorophenol	18161	31599	142440	225700	344590	426430	LINR	0.16008	5.29072	0.99918	0.99000
Phenanthrene	1.231	1.138	1.081	1.084	1.012	0.976	AVRG		1.08700	8.356	15.000
Anthracene	1.143	1.110	1.026	1.088	1.020	0.966	AVRG		1.05902	6.220	15.000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-X Calibration Date(s): 05/21/03 05/21/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1437 1956

LAB FILE ID: RF10: X2811 RF20: X2813 RF50: X2815
RF80: X2814 RF120: X2812 RF160: X2816

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2	
Carbazole	1.081	1.087	0.954	1.031	0.968	0.968	AVRG		1.01493	5.887	15.000	
Di-n-butylphthalate	1.108	1.163	1.059	1.135	1.129	1.081	AVRG		1.11243	3.405	15.000	
Fluoranthene	0.914	0.993	0.904	0.927	0.898	0.905	AVRG		0.92361	3.842	15.000	
Pyrene	1.455	1.439	1.412	1.491	1.523	1.482	AVRG		1.46703	2.711	15.000	
Butylbenzylphthalate	0.551	0.577	0.574	0.605	0.638	0.570	AVRG		0.58617	5.261	15.000	
Benzo(a)anthracene	1.090	0.998	1.038	1.055	1.073	0.997	AVRG		1.04180	3.664	15.000	
Chrysene	1.029	0.993	1.048	1.044	1.093	0.949	AVRG		1.02610	4.849	15.000	
3,3'-Dichlorobenzidine	0.367	0.334	0.389	0.258	0.236	0.190	AVRG		0.29573	26.769	15.000	<-
bis(2-Ethylhexyl)phthalate	0.830	0.755	0.753	0.758	0.830	0.713	AVRG		0.77311	6.112	15.000	
Di-n-octylphthalate	1.689	1.584	1.651	1.814	1.885	1.705	AVRG		1.72123	6.384	15.000	
Benzo(b)fluoranthene	1.506	1.406	1.379	1.467	1.473	1.393	AVRG		1.43739	3.589	15.000	
Benzo(k)fluoranthene	1.472	1.531	1.559	1.624	1.603	1.600	AVRG		1.56489	3.616	15.000	
Benzo(a)pyrene	1.225	1.278	1.325	1.356	1.373	1.306	AVRG		1.31057	4.112	15.000	
Indeno(1,2,3-cd)pyrene	1.267	1.111	1.155	1.259	1.257	1.188	AVRG		1.20626	5.391	15.000	
Dibenzo(a,h)anthracene	1.260	1.128	1.193	1.281	1.290	1.224	AVRG		1.22921	4.982	15.000	
Benzo(g,h,i)perylene	1.363	1.246	1.290	1.352	1.374	1.313	AVRG		1.32305	3.740	15.000	
Benzaldehyde	0.322	0.759	0.809	0.536	0.477	0.287	AVRG		0.53171	40.779	15.000	<-
Acetophenone	1.589	1.448	1.493	1.732	1.607	1.361	AVRG		1.53829	8.561	15.000	
Caprolactam	0.119	0.114	0.110	0.115	0.117	0.104	AVRG		0.11309	4.765	15.000	
1,1'-Biphenyl	1.598	1.510	1.436	1.426	1.352	1.241	AVRG		1.42714	8.667	15.000	
Atrazine	0.203	0.205	0.192	0.208	0.197	0.187	AVRG		0.19862	4.033	15.000	
2-Fluorophenol	1.426	1.262	1.256	1.374	1.383	1.194	AVRG		1.31595	6.894	15.000	
Phenol-D6	1.686	1.585	1.476	1.653	1.600	1.441	AVRG		1.57368	6.153	15.000	
Nitrobenzene-D5	0.355	0.328	0.354	0.361	0.364	0.337	AVRG		0.35005	4.048	15.000	
2-Fluorobiphenyl	1.332	1.242	1.246	1.247	1.205	1.094	AVRG		1.22765	6.337	15.000	
2,4,6-Tribromophenol	0.194	0.196	0.236	0.230	0.235	0.233	AVRG		0.22048	9.041	15.000	
Terphenyl-D14	0.927	0.779	0.894	0.938	0.979	0.848	AVRG		0.89425	7.998	15.000	

Average %RSD test result.

Calculate Average %RSD: 7.876410961
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-K Calibration Date: 05/28/03 Time: 1522

Lab File ID: K4367 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.4550000	1.4550000	0.01	-0.61	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.1711000	1.1711000	0.01	-2.16		AVRG
2-Chlorophenol	1.2160000	1.2362000	1.2362000	0.01	1.66		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.3358000	2.3358000	0.01	2.00		AVRG
2-Methylphenol	0.9540000	0.9379900	0.9379900	0.01	-1.68		AVRG
Hexachloroethane	0.5550000	0.5698100	0.5698100	0.01	2.67		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7762400	0.7762400	0.05	-1.49		AVRG
4-Methylphenol	0.9740000	0.9629800	0.9629800	0.01	-1.13		AVRG
Nitrobenzene	0.3670000	0.4055600	0.4055600	0.01	10.51		AVRG
Isophorone	0.6860000	0.6983900	0.6983900	0.01	1.81		AVRG
2-Nitrophenol	59.143000	50.000000	0.2096900	0.01	18.29		LINR
2,4-Dimethylphenol	0.3560000	0.3734700	0.3734700	0.01	4.91		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4554600	0.4554600	0.01	3.04		AVRG
2,4-Dichlorophenol	0.2860000	0.2990000	0.2990000	0.01	4.54	20.00	AVRG
Naphthalene	0.9040000	0.9136000	0.9136000	0.01	1.06		AVRG
4-Chloroaniline	0.3820000	0.4017900	0.4017900	0.01	5.18		AVRG
Hexachlorobutadiene	0.1800000	0.2139500	0.2139500	0.01	18.86	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2747500	0.2747500	0.01	-3.93	20.00	AVRG
2-Methylnaphthalene	0.5440000	0.5625000	0.5625000	0.01	3.40		AVRG
Hexachlorocyclopentadiene	0.3770000	0.4799700	0.4799700	0.05	27.31		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4357900	0.4357900	0.01	8.40	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4398000	0.4398000	0.01	1.34		AVRG
2-Chloronaphthalene	1.1450000	1.2054000	1.2054000	0.01	5.28		AVRG
2-Nitroaniline	58.034000	50.000000	0.4302600	0.01	16.07		2RDR
Acenaphthylene	1.7840000	1.7976000	1.7976000	0.01	0.76		AVRG
Dimethyl Phthalate	1.2870000	1.2504000	1.2504000	0.01	-2.84		AVRG
2,6-Dinitrotoluene	56.278000	50.000000	0.3018000	0.01	12.56		LINR
Acenaphthene	1.1130000	1.1227000	1.1227000	0.01	0.87	20.00	AVRG
3-Nitroaniline	55.353000	50.000000	0.2852800	0.01	10.71		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-K Calibration Date: 05/28/03 Time: 1522

Lab File ID: K4367 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
2,4-Dinitrophenol	60.952000	50.000000	0.1058400	0.05	21.90		2RDR
Dibenzofuran	1.4630000	1.4888000	1.4888000	0.01	1.76		AVRG
4-Nitrophenol	44.298000	50.000000	0.1242200	0.05	-11.40		2RDR
2,4-Dinitrotoluene	57.111000	50.000000	0.3624600	0.01	14.22		2RDR
Fluorene	1.0590000	1.0429000	1.0429000	0.01	-1.52		AVRG
Diethylphthalate	1.2600000	1.1680000	1.1680000	0.01	-7.30		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5691200	0.5691200	0.01	5.39		AVRG
4-Nitroaniline	52.065000	50.000000	0.2074600	0.01	4.13		2RDR
4,6-Dinitro-2-Methylphenol	63.781000	50.000000	0.1238400	0.01	27.56		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5735700	0.5735700	0.01	2.61	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2764800	0.2764800	0.01	18.66		AVRG
Hexachlorobenzene	0.2930000	0.3256300	0.3256300	0.01	11.14		AVRG
Pentachlorophenol	50.267000	50.000000	0.1572100	0.01	0.53		LINR
Phenanthrene	1.0470000	1.0355000	1.0355000	0.01	-1.10		AVRG
Anthracene	1.0040000	1.0084000	1.0084000	0.01	0.44		AVRG
Carbazole	0.8120000	0.7115600	0.7115600	0.01	-12.37		AVRG
Di-n-butylphthalate	1.2140000	1.1996000	1.1996000	0.01	-1.19		AVRG
Fluoranthene	0.8900000	0.8298900	0.8298900	0.01	-6.75	20.00	AVRG
Pyrene	1.4500000	1.5350000	1.5350000	0.01	5.86		AVRG
Butylbenzylphthalate	0.6790000	0.7145900	0.7145900	0.01	5.24		AVRG
Benzo(a)anthracene	1.0220000	1.0436000	1.0436000	0.01	2.11		AVRG
Chrysene	1.0030000	0.9814000	0.9814000	0.01	-2.15		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3156100	0.3156100	0.01	11.13		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.9842600	0.9842600	0.01	8.76		AVRG
Di-n-octylphthalate	2.1640000	2.5929000	2.5929000	0.01	19.82	20.00	AVRG
Benzo(b)fluoranthene	1.5000000	1.5890000	1.5890000	0.01	5.93		AVRG
Benzo(k)fluoranthene	1.6040000	1.6998000	1.6998000	0.01	5.97		AVRG
Benzo(a)pyrene	1.3080000	1.3692000	1.3692000	0.01	4.68	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.1760000	1.1421000	1.1421000	0.01	-2.88		AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-K Calibration Date: 05/28/03 Time: 1522

Lab File ID: K4367 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Dibenzo(a,h)anthracene	1.1770000	1.1527000	1.1527000	0.01	-2.06		AVRG
Benzo(g,h,i)perylene	1.2300000	1.1854000	1.1854000	0.01	-3.63		AVRG
Benzaldehyde	0.2090000	0.6332300	0.6332300	0.01	202.98		AVRG
Acetophenone	1.6090000	1.5447000	1.5447000	0.01	-4.00		AVRG
Caprolactam	0.1000000	9.03e-002	9.03e-002	0.01	-9.70		AVRG
1,1'-Biphenyl	1.4450000	1.5662000	1.5662000	0.01	8.39		AVRG
Atrazine	0.2050000	0.1855500	0.1855500	0.01	-9.49		AVRG
2-Fluorophenol	1.1900000	1.2629000	1.2629000	0.01	6.13		AVRG
Phenol-D6	1.4120000	1.4173000	1.4173000	0.01	0.38		AVRG
Nitrobenzene-D5	0.3430000	0.3949500	0.3949500	0.01	15.15		AVRG
2-Fluorobiphenyl	1.2160000	1.3729000	1.3729000	0.01	12.90		AVRG
2,4,6-Tribromophenol	0.1870000	0.2072600	0.2072600	0.01	10.83		AVRG
Terphenyl-D14	0.9000000	1.0007000	1.0007000	0.01	11.19		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-K Calibration Date: 05/29/03 Time: 1518

Lab File ID: K4382 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.4569000	1.4569000	0.01	-0.48	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.1948000	1.1948000	0.01	-0.18		AVRG
2-Chlorophenol	1.2160000	1.2249000	1.2249000	0.01	0.73		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.4440000	2.4440000	0.01	6.72		AVRG
2-Methylphenol	0.9540000	0.9695300	0.9695300	0.01	1.63		AVRG
Hexachloroethane	0.5550000	0.5852300	0.5852300	0.01	5.45		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7738000	0.7738000	0.05	-1.80		AVRG
4-Methylphenol	0.9740000	0.9937600	0.9937600	0.01	2.03		AVRG
Nitrobenzene	0.3670000	0.3835700	0.3835700	0.01	4.52		AVRG
Isophorone	0.6860000	0.6939100	0.6939100	0.01	1.15		AVRG
2-Nitrophenol	58.315000	50.000000	0.2063700	0.01	16.63		LINR
2,4-Dimethylphenol	0.3560000	0.3582600	0.3582600	0.01	0.63		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4503600	0.4503600	0.01	1.89		AVRG
2,4-Dichlorophenol	0.2860000	0.3043900	0.3043900	0.01	6.43	20.00	AVRG
Naphthalene	0.9040000	0.9070000	0.9070000	0.01	0.33		AVRG
4-Chloroaniline	0.3820000	0.3948200	0.3948200	0.01	3.36		AVRG
Hexachlorobutadiene	0.1800000	0.1769900	0.1769900	0.01	-1.67	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2908600	0.2908600	0.01	1.70	20.00	AVRG
2-Methylnaphthalene	0.5440000	0.5465600	0.5465600	0.01	0.47		AVRG
Hexachlorocyclopentadiene	0.3770000	0.4331600	0.4331600	0.05	14.90		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4190000	0.4190000	0.01	4.23	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4765600	0.4765600	0.01	9.81		AVRG
2-Chloronaphthalene	1.1450000	1.1251000	1.1251000	0.01	-1.74		AVRG
2-Nitroaniline	60.228000	50.000000	0.4479800	0.01	20.46		2RDR
Acenaphthylene	1.7840000	1.8032000	1.8032000	0.01	1.08		AVRG
Dimethyl Phthalate	1.2870000	1.3656000	1.3656000	0.01	6.11		AVRG
2,6-Dinitrotoluene	59.940000	50.000000	0.3248900	0.01	19.88		LINR
Acenaphthene	1.1130000	1.1175000	1.1175000	0.01	0.40	20.00	AVRG
3-Nitroaniline	61.664000	50.000000	0.3216800	0.01	23.33		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-K Calibration Date: 05/29/03 Time: 1518

Lab File ID: K4382 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
2,4-Dinitrophenol	91.361000	50.000000	0.1787500	0.05	82.72		2RDR
Dibenzofuran	1.4630000	1.5005000	1.5005000	0.01	2.56		AVRG
4-Nitrophenol	55.666000	50.000000	0.1611500	0.05	11.33		2RDR
2,4-Dinitrotoluene	68.637000	50.000000	0.4463800	0.01	37.27		2RDR
Fluorene	1.0590000	1.1261000	1.1261000	0.01	6.34		AVRG
Diethylphthalate	1.2600000	1.3439000	1.3439000	0.01	6.66		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5998700	0.5998700	0.01	11.09		AVRG
4-Nitroaniline	64.947000	50.000000	0.2682500	0.01	29.89		2RDR
4,6-Dinitro-2-Methylphenol	78.889000	50.000000	0.1607800	0.01	57.78		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5164900	0.5164900	0.01	-7.60	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2549100	0.2549100	0.01	9.40		AVRG
Hexachlorobenzene	0.2930000	0.3131200	0.3131200	0.01	6.87		AVRG
Pentachlorophenol	55.621000	50.000000	0.1774200	0.01	11.24		LINR
Phenanthrene	1.0470000	1.0326000	1.0326000	0.01	-1.38		AVRG
Anthracene	1.0040000	1.0513000	1.0513000	0.01	4.71		AVRG
Carbazole	0.8120000	0.8143200	0.8143200	0.01	0.28		AVRG
Di-n-butylphthalate	1.2140000	1.3763000	1.3763000	0.01	13.37		AVRG
Fluoranthene	0.8900000	1.0443000	1.0443000	0.01	17.34	20.00	AVRG
Pyrene	1.4500000	1.5454000	1.5454000	0.01	6.58		AVRG
Butylbenzylphthalate	0.6790000	0.7205000	0.7205000	0.01	6.11		AVRG
Benzo(a)anthracene	1.0220000	1.0546000	1.0546000	0.01	3.19		AVRG
Chrysene	1.0030000	0.9807300	0.9807300	0.01	-2.22		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3544200	0.3544200	0.01	24.80		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.9814100	0.9814100	0.01	8.44		AVRG
Di-n-octylphthalate	2.1640000	2.4276000	2.4276000	0.01	12.18	20.00	AVRG
Benzo(b)fluoranthene	1.5000000	1.5760000	1.5760000	0.01	5.07		AVRG
Benzo(k)fluoranthene	1.6040000	1.5241000	1.5241000	0.01	-4.98		AVRG
Benzo(a)pyrene	1.3080000	1.3088000	1.3088000	0.01	0.06	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.1760000	1.2787000	1.2787000	0.01	8.73		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-K Calibration Date: 05/29/03 Time: 1518

Lab File ID: K4382 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Dibenzo(a,h)anthracene	1.1770000	1.2590000	1.2590000	0.01	6.97		AVRG
Benzo(g,h,i)perylene	1.2300000	1.2019000	1.2019000	0.01	-2.28		AVRG
Benzaldehyde	0.2090000	0.6976400	0.6976400	0.01	233.80		AVRG
Acetophenone	1.6090000	1.5474000	1.5474000	0.01	-3.83		AVRG
Caprolactam	0.1000000	0.1025300	0.1025300	0.01	2.53		AVRG
1,1'-Biphenyl	1.4450000	1.4389000	1.4389000	0.01	-0.42		AVRG
Atrazine	0.2050000	0.2021700	0.2021700	0.01	-1.38		AVRG
2-Fluorophenol	1.1900000	1.2134000	1.2134000	0.01	1.97		AVRG
Phenol-D6	1.4120000	1.4263000	1.4263000	0.01	1.01		AVRG
Nitrobenzene-D5	0.3430000	0.3870000	0.3870000	0.01	12.83		AVRG
2-Fluorobiphenyl	1.2160000	1.2408000	1.2408000	0.01	2.04		AVRG
2,4,6-Tribromophenol	0.1870000	0.2289000	0.2289000	0.01	22.41		AVRG
Terphenyl-D14	0.9000000	0.9739400	0.9739400	0.01	8.22		AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-X Calibration Date: 05/16/03 Time: 1706

Lab File ID: X2745 Init. Calib. Date(s): 05/12/03 05/12/03

Init. Calib. Times: 1209 1549

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
Phenol	1.6010000	1.6252000	1.6252000	0.01	1.51	20.00	AVRG
Bis(2-Chloroethyl)ether	1.2420000	1.2680000	1.2680000	0.01	2.09		AVRG
2-Chlorophenol	1.2380000	1.2982000	1.2982000	0.01	4.86		AVRG
2,2'-Oxybis(1-Chloropropane)	2.0500000	3.2022000	3.2022000	0.01	56.20		AVRG
2-Methylphenol	1.0410000	1.0582000	1.0582000	0.01	1.65		AVRG
Hexachloroethane	0.6030000	0.5195300	0.5195300	0.01	-13.84		AVRG
N-Nitroso-di-n-propylamine	0.9000000	0.9908800	0.9908800	0.05	10.10		AVRG
4-Methylphenol	1.0230000	1.1384000	1.1384000	0.01	11.28		AVRG
Nitrobenzene	0.4620000	0.4922500	0.4922500	0.01	6.55		AVRG
Isophorone	0.7800000	0.7893800	0.7893800	0.01	1.20		AVRG
2-Nitrophenol	0.2050000	0.2168700	0.2168700	0.01	5.79	20.00	AVRG
2,4-Dimethylphenol	0.3930000	0.3452200	0.3452200	0.01	-12.16		AVRG
Bis(2-Chloroethoxy)methane	0.4630000	0.5066700	0.5066700	0.01	9.43		AVRG
2,4-Dichlorophenol	0.2730000	0.2783700	0.2783700	0.01	1.97	20.00	AVRG
Naphthalene	0.9210000	0.9663000	0.9663000	0.01	4.92		AVRG
4-Chloroaniline	0.4180000	0.4537700	0.4537700	0.01	8.56		AVRG
Hexachlorobutadiene	0.1660000	0.1549800	0.1549800	0.01	-6.64	20.00	AVRG
4-Chloro-3-Methylphenol	0.3140000	0.3123500	0.3123500	0.01	-0.52	20.00	AVRG
2-Methylnaphthalene	0.5360000	0.4761100	0.4761100	0.01	-11.17		AVRG
Hexachlorocyclopentadiene	0.3500000	0.3135600	0.3135600	0.05	-10.41		AVRG
2,4,6-Trichlorophenol	0.3850000	0.3816800	0.3816800	0.01	-0.86	20.00	AVRG
2,4,5-Trichlorophenol	0.4300000	0.4376200	0.4376200	0.01	1.77		AVRG
2-Chloronaphthalene	1.0580000	1.0333000	1.0333000	0.01	-2.33		AVRG
2-Nitroaniline	0.5640000	0.5854300	0.5854300	0.01	3.80		AVRG
Acenaphthylene	1.7370000	1.6890000	1.6890000	0.01	-2.76		AVRG
Dimethyl Phthalate	1.2880000	1.1559000	1.1559000	0.01	-10.26		AVRG
2,6-Dinitrotoluene	0.3050000	0.2966500	0.2966500	0.01	-2.74		AVRG
Acenaphthene	1.0500000	1.0362000	1.0362000	0.01	-1.31	20.00	AVRG
3-Nitroaniline	0.3470000	0.3610700	0.3610700	0.01	4.05		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-X Calibration Date: 05/16/03 Time: 1706

Lab File ID: X2745 Init. Calib. Date(s): 05/12/03 05/12/03

Init. Calib. Times: 1209 1549

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
2,4-Dinitrophenol	53.039000	50.000000	0.1683900	0.05	6.08		2RDR
Dibenzofuran	1.4150000	1.3152000	1.3152000	0.01	-7.05		AVRG
4-Nitrophenol	0.2500000	0.1490800	0.1490800	0.05	-40.37		AVRG
2,4-Dinitrotoluene	0.4150000	0.3988500	0.3988500	0.01	-3.89		AVRG
Fluorene	1.0750000	0.9854700	0.9854700	0.01	-8.33		AVRG
Diethylphthalate	1.2490000	0.9990400	0.9990400	0.01	-20.01		AVRG
4-Chlorophenyl-phenylether	0.5240000	0.5483200	0.5483200	0.01	4.64		AVRG
4-Nitroaniline	0.3080000	0.3077800	0.3077800	0.01	-0.07		AVRG
4,6-Dinitro-2-Methylphenol	0.1480000	0.1723800	0.1723800	0.01	16.47		AVRG
N-Nitrosodiphenylamine	0.5250000	0.5291400	0.5291400	0.01	0.79	20.00	AVRG
4-Bromophenyl-phenylether	0.2010000	0.2293600	0.2293600	0.01	14.11		AVRG
Hexachlorobenzene	0.2270000	0.2496300	0.2496300	0.01	9.97		AVRG
Pentachlorophenol	0.1550000	0.1652800	0.1652800	0.01	6.63	20.00	AVRG
Phenanthrene	1.0360000	1.0435000	1.0435000	0.01	0.72		AVRG
Anthracene	1.0100000	1.0816000	1.0816000	0.01	7.09		AVRG
Carbazole	0.9400000	0.9676000	0.9676000	0.01	2.94		AVRG
Di-n-butylphthalate	1.3760000	1.4075000	1.4075000	0.01	2.29		AVRG
Fluoranthene	0.9960000	1.0205000	1.0205000	0.01	2.46	20.00	AVRG
Pyrene	1.5340000	1.3299000	1.3299000	0.01	-13.30		AVRG
Butylbenzylphthalate	0.8410000	0.6168000	0.6168000	0.01	-26.66		AVRG
Benzo(a)anthracene	1.1040000	0.9863400	0.9863400	0.01	-10.66		AVRG
Chrysene	1.0020000	0.8769300	0.8769300	0.01	-12.48		AVRG
3,3'-Dichlorobenzidine	57.075000	50.000000	0.2637200	0.01	14.15		LINR
bis(2-Ethylhexyl)phthalate	1.0530000	0.7895500	0.7895500	0.01	-25.02		AVRG
Di-n-octylphthalate	2.8060000	2.3560000	2.3560000	0.01	-16.04	20.00	AVRG
Benzo(b)fluoranthene	1.5490000	1.5591000	1.5591000	0.01	0.65		AVRG
Benzo(k)fluoranthene	1.5480000	1.6285000	1.6285000	0.01	5.20		AVRG
Benzo(a)pyrene	1.3800000	1.3395000	1.3395000	0.01	-2.93	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.1310000	1.1242000	1.1242000	0.01	-0.60		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-X Calibration Date: 05/16/03 Time: 1706

Lab File ID: X2745 Init. Calib. Date(s): 05/12/03 05/12/03

Init. Calib. Times: 1209 1549

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
Dibenzo(a,h)anthracene	1.0690000	1.1168000	1.1168000	0.01	4.47		AVRG
Benzo(g,h,i)perylene	1.1470000	1.2130000	1.2130000	0.01	5.75		AVRG
Benzaldehyde	0.2550000	0.6430800	0.6430800	0.01	152.19		AVRG
Acetophenone	1.6380000	1.5108000	1.5108000	0.01	-7.76		AVRG
Caprolactam	0.1120000	0.1205300	0.1205300	0.01	7.62		AVRG
1,1'-Biphenyl	1.3240000	1.3148000	1.3148000	0.01	-0.69		AVRG
Atrazine	0.2220000	0.2146300	0.2146300	0.01	-3.32		AVRG
2-Fluorophenol	1.3830000	1.3943000	1.3943000	0.01	0.82		AVRG
Phenol-D6	1.5710000	1.7108000	1.7108000	0.01	8.90		AVRG
Nitrobenzene-D5	0.4480000	0.4349600	0.4349600	0.01	-2.91		AVRG
2-Fluorobiphenyl	1.1830000	1.1235000	1.1235000	0.01	-5.03		AVRG
2,4,6-Tribromophenol	0.1740000	0.2162400	0.2162400	0.01	24.28		AVRG
Terphenyl-D14	0.8880000	0.7338200	0.7338200	0.01	-17.36		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-X Calibration Date: 05/21/03 Time: 1913

Lab File ID: X2815 Init. Calib. Date(s): 05/21/03 05/21/03

Init. Calib. Times: 1437 1956

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
Phenol	1.6060000	1.6126000	1.6126000	0.01	0.41	20.00	AVRG
Bis(2-Chloroethyl)ether	1.2600000	1.1678000	1.1678000	0.01	-7.32		AVRG
2-Chlorophenol	1.2890000	1.2072000	1.2072000	0.01	-6.35		AVRG
2,2'-Oxybis(1-Chloropropane)	2.6260000	2.5108000	2.5108000	0.01	-4.39		AVRG
2-Methylphenol	1.0950000	1.0480000	1.0480000	0.01	-4.29		AVRG
Hexachloroethane	0.5530000	0.5595800	0.5595800	0.01	1.19		AVRG
N-Nitroso-di-n-propylamine	0.8100000	0.7938800	0.7938800	0.05	-1.99		AVRG
4-Methylphenol	1.1270000	1.1032000	1.1032000	0.01	-2.11		AVRG
Nitrobenzene	0.3720000	0.3682700	0.3682700	0.01	-1.00		AVRG
Isophorone	0.6710000	0.6668400	0.6668400	0.01	-0.62		AVRG
2-Nitrophenol	0.2110000	0.2149600	0.2149600	0.01	1.88	20.00	AVRG
2,4-Dimethylphenol	0.3200000	0.3166300	0.3166300	0.01	-1.05		AVRG
Bis(2-Chloroethoxy)methane	0.4310000	0.4320900	0.4320900	0.01	0.25		AVRG
2,4-Dichlorophenol	0.2860000	0.2847600	0.2847600	0.01	-0.43	20.00	AVRG
Naphthalene	0.9660000	0.9287300	0.9287300	0.01	-3.86		AVRG
4-Chloroaniline	0.4010000	0.4041900	0.4041900	0.01	0.80		AVRG
Hexachlorobutadiene	0.1480000	0.1511200	0.1511200	0.01	2.11	20.00	AVRG
4-Chloro-3-Methylphenol	0.2660000	0.2665500	0.2665500	0.01	0.21	20.00	AVRG
2-Methylnaphthalene	0.5660000	0.5984500	0.5984500	0.01	5.73		AVRG
Hexachlorocyclopentadiene	0.3000000	0.3087800	0.3087800	0.05	2.93		AVRG
2,4,6-Trichlorophenol	0.3860000	0.3808100	0.3808100	0.01	-1.34	20.00	AVRG
2,4,5-Trichlorophenol	0.4130000	0.4233900	0.4233900	0.01	2.52		AVRG
2-Chloronaphthalene	1.0940000	1.1067000	1.1067000	0.01	1.16		AVRG
2-Nitroaniline	0.3990000	0.3952600	0.3952600	0.01	-0.94		AVRG
Acenaphthylene	1.7550000	1.7478000	1.7478000	0.01	-0.41		AVRG
Dimethyl Phthalate	1.1880000	1.1646000	1.1646000	0.01	-1.97		AVRG
2,6-Dinitrotoluene	0.2890000	0.3010700	0.3010700	0.01	4.18		AVRG
Acenaphthene	1.0940000	1.0900000	1.0900000	0.01	-0.36	20.00	AVRG
3-Nitroaniline	0.3210000	0.3361800	0.3361800	0.01	4.73		AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-X Calibration Date: 05/21/03 Time: 1913

Lab File ID: X2815 Init. Calib. Date(s): 05/21/03 05/21/03

Init. Calib. Times: 1437 1956

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
2,4-Dinitrophenol	46.864000	50.000000	0.1446500	0.05	-6.27		LINR
Dibenzofuran	1.4700000	1.4476000	1.4476000	0.01	-1.52		AVRG
4-Nitrophenol	0.1240000	0.1254900	0.1254900	0.05	1.20		AVRG
2,4-Dinitrotoluene	0.3750000	0.3865700	0.3865700	0.01	3.08		AVRG
Fluorene	1.0960000	1.0979000	1.0979000	0.01	0.17		AVRG
Diethylphthalate	1.0530000	1.0308000	1.0308000	0.01	-2.11		AVRG
4-Chlorophenyl-phenylether	0.5720000	0.5516900	0.5516900	0.01	-3.55		AVRG
4-Nitroaniline	0.3010000	0.3213600	0.3213600	0.01	6.76		AVRG
4,6-Dinitro-2-Methylphenol	47.959000	50.000000	0.1550600	0.01	-4.08		LINR
N-Nitrosodiphenylamine	0.5990000	0.6036100	0.6036100	0.01	0.77	20.00	AVRG
4-Bromophenyl-phenylether	0.2390000	0.2420200	0.2420200	0.01	1.26		AVRG
Hexachlorobenzene	0.2790000	0.2824800	0.2824800	0.01	1.25		AVRG
Pentachlorophenol	48.324000	50.000000	0.1584700	0.01	-3.35		LINR
Phenanthrene	1.0870000	1.0809000	1.0809000	0.01	-0.56		AVRG
Anthracene	1.0590000	1.0264000	1.0264000	0.01	-3.08		AVRG
Carbazole	1.0150000	0.9539100	0.9539100	0.01	-6.02		AVRG
Di-n-butylphthalate	1.1120000	1.0591000	1.0591000	0.01	-4.76		AVRG
Fluoranthene	0.9240000	0.9040500	0.9040500	0.01	-2.16	20.00	AVRG
Pyrene	1.4670000	1.4124000	1.4124000	0.01	-3.72		AVRG
Butylbenzylphthalate	0.5860000	0.5742300	0.5742300	0.01	-2.01		AVRG
Benzo(a)anthracene	1.0420000	1.0378000	1.0378000	0.01	-0.40		AVRG
Chrysene	1.0260000	1.0485000	1.0485000	0.01	2.19		AVRG
3,3'-Dichlorobenzidine	0.2960000	0.3892000	0.3892000	0.01	31.49		AVRG
bis(2-Ethylhexyl)phthalate	0.7730000	0.7531200	0.7531200	0.01	-2.57		AVRG
Di-n-octylphthalate	1.7210000	1.6508000	1.6508000	0.01	-4.08	20.00	AVRG
Benzo(b)fluoranthene	1.4370000	1.3788000	1.3788000	0.01	-4.05		AVRG
Benzo(k)fluoranthene	1.5650000	1.5588000	1.5588000	0.01	-0.40		AVRG
Benzo(a)pyrene	1.3100000	1.3253000	1.3253000	0.01	1.17	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.2060000	1.1551000	1.1551000	0.01	-4.22		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: WT0984

Instrument ID: GCMS-X Calibration Date: 05/21/03 Time: 1913

Lab File ID: X2815 Init. Calib. Date(s): 05/21/03 05/21/03

Init. Calib. Times: 1437 1956

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
Dibenzo(a,h)anthracene	1.2290000	1.1929000	1.1929000	0.01	-2.94		AVRG
Benzo(g,h,i)perylene	1.3230000	1.2903000	1.2903000	0.01	-2.47		AVRG
Benzaldehyde	0.5320000	0.8090800	0.8090800	0.01	52.08		AVRG
Acetophenone	1.5380000	1.4930000	1.4930000	0.01	-2.92		AVRG
Caprolactam	0.1130000	0.1099400	0.1099400	0.01	-2.71		AVRG
1,1'-Biphenyl	1.4270000	1.4357000	1.4357000	0.01	0.61		AVRG
Atrazine	0.1990000	0.1921600	0.1921600	0.01	-3.44		AVRG
2-Fluorophenol	1.3160000	1.2564000	1.2564000	0.01	-4.53		AVRG
Phenol-D6	1.5740000	1.4765000	1.4765000	0.01	-6.19		AVRG
Nitrobenzene-D5	0.3500000	0.3538300	0.3538300	0.01	1.09		AVRG
2-Fluorobiphenyl	1.2280000	1.2461000	1.2461000	0.01	1.47		AVRG
2,4,6-Tribromophenol	0.2210000	0.2356600	0.2356600	0.01	6.63		AVRG
Terphenyl-D14	0.8940000	0.8937000	0.8937000	0.01	-0.03		AVRG

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/06/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2202-1
Client ID: WG2202-Blank
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	50	1.0	10	50	10
111-44-4	Bis(2-Chloroethyl)ether	U	50	1.0	10	50	7
95-57-8	2-Chlorophenol	U	50	1.0	10	50	11
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	50	1.0	10	50	6
95-48-7	2-Methylphenol	U	50	1.0	10	50	6
67-72-1	Hexachloroethane	U	50	1.0	10	50	9
621-64-7	N-Nitroso-di-n-propylamine	U	50	1.0	10	50	8
106-44-5	4-Methylphenol	U	50	1.0	10	50	9
98-95-3	Nitrobenzene	U	50	1.0	10	50	6
78-59-1	Isophorone	U	50	1.0	10	50	4
88-75-5	2-Nitrophenol	U	50	1.0	10	50	8
105-67-9	2,4-Dimethylphenol	U	50	1.0	10	50	9
111-91-1	Bis(2-Chloroethoxy)methane	U	50	1.0	10	50	4
120-83-2	2,4-Dichlorophenol	U	50	1.0	10	50	9
91-20-3	Naphthalene	U	50	1.0	10	50	5
106-47-8	4-Chloroaniline	U	50	1.0	10	50	6
87-68-3	Hexachlorobutadiene	U	50	1.0	10	50	11
59-50-7	4-Chloro-3-Methylphenol	U	50	1.0	10	50	6
91-57-6	2-Methylnaphthalene	U	50	1.0	10	50	6
77-47-4	Hexachlorocyclopentadiene	U	50	1.0	10	50	7
88-06-2	2,4,6-Trichlorophenol	U	50	1.0	10	50	9
95-95-4	2,4,5-Trichlorophenol	U	120	1.0	25	120	11
91-58-7	2-Chloronaphthalene	U	50	1.0	10	50	14
88-74-4	2-Nitroaniline	U	120	1.0	25	120	4
208-96-8	Acenaphthylene	U	50	1.0	10	50	4
131-11-3	Dimethyl Phthalate	U	50	1.0	10	50	4
606-20-2	2,6-Dinitrotoluene	U	50	1.0	10	50	8
83-32-9	Acenaphthene	U	50	1.0	10	50	6
99-09-2	3-Nitroaniline	U	120	1.0	25	120	8
51-28-5	2,4-Dinitrophenol	U	120	1.0	25	120	27
132-64-9	Dibenzofuran	U	50	1.0	10	50	5
100-02-7	4-Nitrophenol	U	120	1.0	25	120	14
121-14-2	2,4-Dinitrotoluene	U	50	1.0	10	50	4
86-73-7	Fluorene	U	50	1.0	10	50	4
84-66-2	Diethylphthalate	U	50	1.0	10	50	3
7005-72-3	4-Chlorophenyl-phenylether	U	50	1.0	10	50	6
100-01-6	4-Nitroaniline	U	120	1.0	25	120	8
534-52-1	4,6-Dinitro-2-Methylphenol	U	120	1.0	25	120	37
86-30-6	N-Nitrosodiphenylamine	U	50	1.0	10	50	9
101-55-3	4-Bromophenyl-phenylether	U	50	1.0	10	50	5
118-74-1	Hexachlorobenzene	U	50	1.0	10	50	4
87-86-5	Pentachlorophenol	U	120	1.0	25	120	28
85-01-8	Phenanthrene	U	50	1.0	10	50	4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/06/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2202-1
Client ID: WG2202-Blank
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	50	1.0	10	50	3
86-74-8	Carbazole	U	50	1.0	10	50	4
84-74-2	Di-n-butylphthalate	U	50	1.0	10	50	14
206-44-0	Fluoranthene	U	50	1.0	10	50	4
129-00-0	Pyrene	U	50	1.0	10	50	4
85-68-7	Butylbenzylphthalate	U	50	1.0	10	50	4
56-55-3	Benzo(a)anthracene	U	50	1.0	10	50	3
218-01-9	Chrysene	U	50	1.0	10	50	3
91-94-1	3,3'-Dichlorobenzidine	U	50	1.0	10	50	8
117-81-7	bis(2-Ethylhexyl)phthalate	U	50	1.0	10	50	46
117-84-0	Di-n-octylphthalate	U	50	1.0	10	50	7
205-99-2	Benzo(b)fluoranthene	U	50	1.0	10	50	5
207-08-9	Benzo(k)fluoranthene	U	50	1.0	10	50	4
50-32-8	Benzo(a)pyrene	U	50	1.0	10	50	4
193-39-5	Indeno(1,2,3-cd)pyrene	U	50	1.0	10	50	4
53-70-3	Dibenzo(a,h)anthracene	U	50	1.0	10	50	4
191-24-2	Benzo(g,h,i)perylene	U	50	1.0	10	50	4
100-52-7	Benzaldehyde	U	50	1.0	10	50	50
98-96-2	Acetophenone	U	50	1.0	10	50	3
105-60-2	Caprolactam	U	50	1.0	10	50	50
92-52-4	1,1'-Biphenyl	U	50	1.0	10	50	50
1912-24-9	Atrazine	U	50	1.0	10	50	50
367-12-4	2-Fluorophenol		64%				
13127-88-3	Phenol-D6		54%				
4165-60-0	Nitrobenzene-D5		74%				
321-60-8	2-Fluorobiphenyl		74%				
118-79-6	2,4,6-Tribromophenol		100%				
1718-51-0	Terphenyl-D14		105%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/13/03
Analysis Date: 05/16/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 100

Lab ID: WG2250-1
Client ID: WG2250-Blank
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	330	1.0	330	330	23
111-44-4	Bis(2-Chloroethyl)ether	U	330	1.0	330	330	18
95-57-8	2-Chlorophenol	U	330	1.0	330	330	22
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	330	1.0	330	330	16
95-48-7	2-Methylphenol	U	330	1.0	330	330	20
67-72-1	Hexachloroethane	U	330	1.0	330	330	11
621-64-7	N-Nitroso-di-n-propylamine	U	330	1.0	330	330	15
106-44-5	4-Methylphenol	U	330	1.0	330	330	19
98-95-3	Nitrobenzene	U	330	1.0	330	330	16
78-59-1	Isophorone	U	330	1.0	330	330	9
88-75-5	2-Nitrophenol	U	330	1.0	330	330	27
105-67-9	2,4-Dimethylphenol	U	330	1.0	330	330	40
111-91-1	Bis(2-Chloroethoxy)methane	U	330	1.0	330	330	15
120-83-2	2,4-Dichlorophenol	U	330	1.0	330	330	22
91-20-3	Naphthalene	U	330	1.0	330	330	11
106-47-8	4-Chloroaniline	U	330	1.0	330	330	11
87-68-3	Hexachlorobutadiene	U	330	1.0	330	330	12
59-50-7	4-Chloro-3-Methylphenol	U	330	1.0	330	330	30
91-57-6	2-Methylnaphthalene	U	330	1.0	330	330	14
77-47-4	Hexachlorocyclopentadiene	U	330	1.0	330	330	17
88-06-2	2,4,6-Trichlorophenol	U	330	1.0	330	330	31
95-95-4	2,4,5-Trichlorophenol	U	330	1.0	330	330	28
91-58-7	2-Chloronaphthalene	U	330	1.0	330	330	15
88-74-4	2-Nitroaniline	U	800	1.0	800	800	14
208-96-8	Acenaphthylene	U	330	1.0	330	330	12
131-11-3	Dimethyl Phthalate	U	330	1.0	330	330	74
606-20-2	2,6-Dinitrotoluene	U	330	1.0	330	330	13
83-32-9	Acenaphthene	U	330	1.0	330	330	16
99-09-2	3-Nitroaniline	U	800	1.0	800	800	47
51-28-5	2,4-Dinitrophenol	U	800	1.0	800	800	85
132-64-9	Dibenzofuran	U	330	1.0	330	330	11
100-02-7	4-Nitrophenol	U	800	1.0	800	800	69
121-14-2	2,4-Dinitrotoluene	U	330	1.0	330	330	11
86-73-7	Fluorene	U	330	1.0	330	330	16
84-66-2	Diethylphthalate	U	330	1.0	330	330	14
7005-72-3	4-Chlorophenyl-phenylether	U	330	1.0	330	330	17
100-01-6	4-Nitroaniline	U	800	1.0	800	800	55
534-52-1	4,6-Dinitro-2-Methylphenol	U	800	1.0	800	800	72
86-30-6	N-Nitrosodiphenylamine	U	330	1.0	330	330	31
101-55-3	4-Bromophenyl-phenylether	U	330	1.0	330	330	16
118-74-1	Hexachlorobenzene	U	330	1.0	330	330	20
87-86-5	Pentachlorophenol	U	800	1.0	800	800	63
85-01-8	Phenanthrene	U	330	1.0	330	330	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/13/03
Analysis Date: 05/16/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 100

Lab ID: WG2250-1
Client ID: WG2250-Blank
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	330	1.0	330	330	14
86-74-8	Carbazole	U	330	1.0	330	330	20
84-74-2	Di-n-butylphthalate	U	330	1.0	330	330	68
206-44-0	Fluoranthene	U	330	1.0	330	330	18
129-00-0	Pyrene	U	330	1.0	330	330	26
85-68-7	Butylbenzylphthalate	U	330	1.0	330	330	22
56-55-3	Benzo(a)anthracene	U	330	1.0	330	330	16
218-01-9	Chrysene	U	330	1.0	330	330	18
91-94-1	3,3'-Dichlorobenzidine	U	330	1.0	330	330	64
117-81-7	bis(2-Ethylhexyl)phthalate	U	330	1.0	330	330	26
117-84-0	Di-n-octylphthalate	U	330	1.0	330	330	17
205-99-2	Benzo(b)fluoranthene	U	330	1.0	330	330	12
207-08-9	Benzo(k)fluoranthene	U	330	1.0	330	330	21
50-32-8	Benzo(a)pyrene	U	330	1.0	330	330	17
193-39-5	Indeno(1,2,3-cd)pyrene	U	330	1.0	330	330	20
53-70-3	Dibenzo(a,h)anthracene	U	330	1.0	330	330	21
191-24-2	Benzo(g,h,i)perylene	U	330	1.0	330	330	22
100-52-7	Benzaldehyde	U	330	1.0	330	330	0.00
98-96-2	Acetophenone	U	330	1.0	330	330	0.00
105-60-2	Caprolactam	U	330	1.0	330	330	0.00
92-52-4	1,1'-Biphenyl	U	330	1.0	330	330	0.00
1912-24-9	Atrazine	U	330	1.0	330	330	0.00
367-12-4	2-Fluorophenol		64%				
13127-88-3	Phenol-D6		71%				
4165-60-0	Nitrobenzene-D5		60%				
321-60-8	2-Fluorobiphenyl		66%				
118-79-6	2,4,6-Tribromophenol		84%				
1718-51-0	Terphenyl-D14		57%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/13/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 100

Lab ID: WG2250-1A
Client ID: WG2250-Blank
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	330	1.0	330	330	23
111-44-4	Bis(2-Chloroethyl)ether	U	330	1.0	330	330	18
95-57-8	2-Chlorophenol	U	330	1.0	330	330	22
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	330	1.0	330	330	16
95-48-7	2-Methylphenol	U	330	1.0	330	330	20
67-72-1	Hexachloroethane	U	330	1.0	330	330	11
621-64-7	N-Nitroso-di-n-propylamine	U	330	1.0	330	330	15
106-44-5	4-Methylphenol	U	330	1.0	330	330	19
98-95-3	Nitrobenzene	U	330	1.0	330	330	16
78-59-1	Isophorone	U	330	1.0	330	330	9
88-75-5	2-Nitrophenol	U	330	1.0	330	330	27
105-67-9	2,4-Dimethylphenol	U	330	1.0	330	330	40
111-91-1	Bis(2-Chloroethoxy)methane	U	330	1.0	330	330	15
120-83-2	2,4-Dichlorophenol	U	330	1.0	330	330	22
91-20-3	Naphthalene	U	330	1.0	330	330	11
106-47-8	4-Chloroaniline	U	330	1.0	330	330	11
87-68-3	Hexachlorobutadiene	U	330	1.0	330	330	12
59-50-7	4-Chloro-3-Methylphenol	U	330	1.0	330	330	30
91-57-6	2-Methylnaphthalene	U	330	1.0	330	330	14
77-47-4	Hexachlorocyclopentadiene	U	330	1.0	330	330	17
88-06-2	2,4,6-Trichlorophenol	U	330	1.0	330	330	31
95-95-4	2,4,5-Trichlorophenol	U	820	1.0	820	820	28
91-58-7	2-Chloronaphthalene	U	330	1.0	330	330	15
88-74-4	2-Nitroaniline	U	820	1.0	820	820	14
208-96-8	Acenaphthylene	U	330	1.0	330	330	12
131-11-3	Dimethyl Phthalate	U	330	1.0	330	330	74
606-20-2	2,6-Dinitrotoluene	U	330	1.0	330	330	13
83-32-9	Acenaphthene	U	330	1.0	330	330	16
99-09-2	3-Nitroaniline	U	820	1.0	820	820	47
51-28-5	2,4-Dinitrophenol	U	820	1.0	820	820	85
132-64-9	Dibenzofuran	U	330	1.0	330	330	11
100-02-7	4-Nitrophenol	U	820	1.0	820	820	69
121-14-2	2,4-Dinitrotoluene	U	330	1.0	330	330	11
86-73-7	Fluorene	U	330	1.0	330	330	16
84-66-2	Diethylphthalate	U	330	1.0	330	330	14
7005-72-3	4-Chlorophenyl-phenylether	U	330	1.0	330	330	17
100-01-6	4-Nitroaniline	U	820	1.0	820	820	55
534-52-1	4,6-Dinitro-2-Methylphenol	U	820	1.0	820	820	72
86-30-6	N-Nitrosodiphenylamine	U	330	1.0	330	330	31
101-55-3	4-Bromophenyl-phenylether	U	330	1.0	330	330	16
118-74-1	Hexachlorobenzene	U	330	1.0	330	330	20
87-86-5	Pentachlorophenol	U	820	1.0	820	820	63
85-01-8	Phenanthrene	U	330	1.0	330	330	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/13/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: SOIL
% Solids: 100

Lab ID: WG2250-1A
Client ID: WG2250-Blank
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
120-12-7	Anthracene	U	330	1.0	330	330	14
86-74-8	Carbazole	U	330	1.0	330	330	20
84-74-2	Di-n-butylphthalate	U	330	1.0	330	330	68
206-44-0	Fluoranthene	U	330	1.0	330	330	18
129-00-0	Pyrene	U	330	1.0	330	330	26
85-68-7	Butylbenzylphthalate	U	330	1.0	330	330	22
56-55-3	Benzo(a)anthracene	U	330	1.0	330	330	16
218-01-9	Chrysene	U	330	1.0	330	330	18
91-94-1	3,3'-Dichlorobenzidine	U	330	1.0	330	330	64
117-81-7	bis(2-Ethylhexyl)phthalate	U	330	1.0	330	330	26
117-84-0	Di-n-octylphthalate	U	330	1.0	330	330	17
205-99-2	Benzo(b)fluoranthene	U	330	1.0	330	330	12
207-08-9	Benzo(k)fluoranthene	U	330	1.0	330	330	21
50-32-8	Benzo(a)pyrene	U	330	1.0	330	330	17
193-39-5	Indeno(1,2,3-cd)pyrene	U	330	1.0	330	330	20
53-70-3	Dibenzo(a,h)anthracene	U	330	1.0	330	330	21
191-24-2	Benzo(g,h,i)perylene	U	330	1.0	330	330	22
100-52-7	Benzaldehyde	U	330	1.0	330	330	0.00
98-96-2	Acetophenone	U	330	1.0	330	330	0.00
105-60-2	Caprolactam	U	330	1.0	330	330	0.00
92-52-4	1,1'-Biphenyl	U	330	1.0	330	330	0.00
1912-24-9	Atrazine	U	330	1.0	330	330	0.00
367-12-4	2-Fluorophenol		*117%				
13127-88-3	Phenol-D6		*119%				
4165-60-0	Nitrobenzene-D5		*137%				
321-60-8	2-Fluorobiphenyl		*136%				
118-79-6	2,4,6-Tribromophenol		103%				
1718-51-0	Terphenyl-D14		*177%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/06/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: WATER

Lab ID: WG2202-2 & WG2202-3
Client ID: WG2202-LCS & WG2202-LCSD
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Phenol	500	500	NA	304	298	61	60	2	30	12-126
Bis(2-Chloroethyl)ether	250	250	NA	156	163	62	65	4	30	52-115
2-Chlorophenol	500	500	NA	316	324	63	65	2	30	46-114
2,2'-Oxybis(1-Chloropropane)	250	250	NA	157	154	63	62	2	30	54-114
2-Methylphenol	500	500	NA	364	341	73	68	6	30	50-110
Hexachloroethane	250	250	NA	146	144	58	58	1	30	30- 99
N-Nitroso-di-n-propylamine	250	250	NA	155	153	62	61	1	30	52-108
4-Methylphenol	500	500	NA	429	397	86	79	8	30	46-119
Nitrobenzene	250	250	NA	151	172	60	69	13	30	49-113
Isophorone	250	250	NA	147	174	59	70	17	30	49-106
2-Nitrophenol	500	500	NA	356	390	71	78	9	30	47-121
2,4-Dimethylphenol	500	500	NA	349	387	70	77	10	30	45-107
Bis(2-Chloroethoxy)methane	250	250	NA	146	171	58	68	16	30	50-112
2,4-Dichlorophenol	500	500	NA	340	386	68	77	13	30	48-115
Naphthalene	250	250	NA	146	160	58	64	9	30	46-110
4-Chloroaniline	250	250	NA	162	188	65	75	15	30	19-125
Hexachlorobutadiene	250	250	NA	132	161	53	64	20	30	28-109
4-Chloro-3-Methylphenol	500	500	NA	346	424	69	85	20	30	52-121
2-Methylnaphthalene	250	250	NA	151	190	60	76	23	30	51-108
Hexachlorocyclopentadiene	250	250	NA	112	124	45	50	10	30	0- 90
2,4,6-Trichlorophenol	500	500	NA	360	428	72	86	17	30	51-120
2,4,5-Trichlorophenol	500	500	NA	328	408	66	82	22	30	53-120
2-Chloronaphthalene	250	250	NA	156	197	62	79	23	30	44-156
2-Nitroaniline	250	250	NA	184	228	74	91	21	30	53-127
Acenaphthylene	250	250	NA	143	173	57	69	19	30	51-107
Dimethyl Phthalate	250		NA	4.4		* 2			30	14-138
2,6-Dinitrotoluene	250	250	NA	181	227	72	91	22	30	51-120
Acenaphthene	250	250	NA	148	171	59	68	14	30	52-113
3-Nitroaniline	250	250	NA	194	232	78	93	18	30	48-124
2,4-Dinitrophenol	500	500	NA	429	528	86	106	21	30	22-155
Dibenzofuran	250	250	NA	153	188	61	75	20	30	54-111
4-Nitrophenol	500	500	NA	335	360	67	72	7	30	6-132
2,4-Dinitrotoluene	250	250	NA	189	219	76	88	15	30	50-119
Fluorene	250	250	NA	142	172	57	69	19	30	56-115
Diethylphthalate	250	250	NA	25	39	* 10	* 16	* 43	30	31-129
4-Chlorophenyl-phenylether	250	250	NA	141	180	56	72	24	30	56-115
4-Nitroaniline	250	250	NA	203	257	81	103	23	30	50-137
4,6-Dinitro-2-Methylphenol	500	500	NA	496	539	99	108	8	30	43-151
N-Nitrosodiphenylamine	500	500	NA	357	411	71	82	14	30	67-131
4-Bromophenyl-phenylether	250	250	NA	183	214	73	86	16	30	59-118
Hexachlorobenzene	250	250	NA	173	194	69	78	11	30	55-116
Pentachlorophenol	500	500	NA	348	396	70	79	13	30	38-148
Phenanthrene	250	250	NA	154	179	62	72	15	30	56-117
Anthracene	250	250	NA	164	186	66	74	12	30	56-117
Carbazole	250	250	NA	179	216	72	86	19	30	63-133

FORM III SV-1

K4369.D & K4370.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/06/03
Analysis Date: 05/28/03
Report Date: 06/05/2003
Matrix: WATER

Lab ID: WG2202-2 & WG2202-3
Client ID: WG2202-LCS & WG2202-LCSD
SDG: WT0984
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2202
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Di-n-butylphthalate	250	250	NA	136	164	54	66	19	30	43-136
Fluoranthene	250	250	NA	156	192	62	77	21	30	51-129
Pyrene	250	250	NA	177	176	71	70	0.6	30	46-133
Butylbenzylphthalate	250	250	NA	142	163	57	65	14	30	31-156
Benzo(a)anthracene	250	250	NA	166	192	66	77	14	30	54-118
Chrysene	250	250	NA	170	178	68	71	4	30	57-119
3,3'-Dichlorobenzidine	250	250	NA	206	229	82	92	10	30	30-128
bis(2-Ethylhexyl)phthalate	250	250	NA	194	207	78	83	6	30	43-151
Di-n-octylphthalate	250	250	NA	209	217	84	87	4	30	42-166
Benzo(b)fluoranthene	250	250	NA	166	180	66	72	8	30	48-129
Benzo(k)fluoranthene	250	250	NA	164	177	66	71	8	30	50-126
Benzo(a)pyrene	250	250	NA	168	186	67	74	10	30	52-126
Indeno(1,2,3-cd)pyrene	250	250	NA	156	198	62	79	24	30	46-128
Dibenzo(a,h)anthracene	250	250	NA	169	177	68	71	5	30	45-118
Benzo(g,h,i)perylene	250	250	NA	160	177	64	71	10	30	46-121
Acetophenone	250	250	NA	171	165	68	66	4	30	0-100

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/13/03
Analysis Date: 05/21/03
Report Date: 06/05/2003
Matrix: SOIL

Lab ID: WG2250-2 & WG2250-3
Client ID: WG2250-LCS & WG2250-LCSD
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Phenol	3333	3333	NA	2610	2410	78	72	8	50	48-106
Bis(2-Chloroethyl)ether	1667	1667	NA	1270	1200	76	72	6	50	42-106
2-Chlorophenol	3333	3333	NA	2540	2380	76	71	6	50	47-106
2,2'-Oxybis(1-Chloropropane)	1667	1667	NA	1250	1250	75	75	0.0	50	47-100
2-Methylphenol	3333	3333	NA	2680	2430	80	73	10	50	47-106
Hexachloroethane	1667	1667	NA	1230	1140	74	68	8	50	30-101
N-Nitroso-di-n-propylamine	1667	1667	NA	1230	1180	74	71	4	50	48-100
4-Methylphenol	3333	3333	NA	2670	2540	80	76	5	50	47-114
Nitrobenzene	1667	1667	NA	1370	1290	82	77	6	50	47-100
Isophorone	1667	1667	NA	1240	1180	74	71	5	50	46- 94
2-Nitrophenol	3333	3333	NA	2650	2540	80	76	4	50	41-113
2,4-Dimethylphenol	3333	3333	NA	2510	2330	75	70	7	50	47-101
Bis(2-Chloroethoxy)methane	1667	1667	NA	1400	1320	84	79	6	50	48- 98
2,4-Dichlorophenol	3333	3333	NA	2710	2540	81	76	6	50	49-106
Naphthalene	1667	1667	NA	1310	1220	79	73	7	50	46-102
4-Chloroaniline	1667	1667	NA	799	724	48	43	10	50	0-100
Hexachlorobutadiene	1667	1667	NA	1310	1200	79	72	9	50	30-110
4-Chloro-3-Methylphenol	3333	3333	NA	2810	2760	84	83	2	50	51-115
2-Methylnaphthalene	1667	1667	NA	1400	1380	84	83	1	50	41-114
Hexachlorocyclopentadiene	1667	1667	NA	908	748	54	45	19	50	10-108
2,4,6-Trichlorophenol	3333	3333	NA	2730	2500	82	75	9	50	52-116
2,4,5-Trichlorophenol	3333	3333	NA	2720	2660	82	80	2	50	50-116
2-Chloronaphthalene	1667	1667	NA	1880	1450	113	87	26	50	49-138
2-Nitroaniline	1667	1667	NA	1360	1220	82	73	11	50	50-123
Acenaphthylene	1667	1667	NA	1320	1240	79	74	6	50	52-100
Dimethyl Phthalate	1667	1667	NA	1430	1340	86	80	6	50	54-112
2,6-Dinitrotoluene	1667	1667	NA	1510	1300	91	78	15	50	44-121
Acenaphthene	1667	1667	NA	1350	1320	81	79	2	50	53-104
3-Nitroaniline	1667	1667	NA	1480	1350	89	81	9	50	0-256
2,4-Dinitrophenol	3333	3333	NA	1660	1430	50	43	15	50	0-123
Dibenzofuran	1667	1667	NA	1470	1350	88	81	8	50	51-108
4-Nitrophenol	3333	3333	NA	2720	2250	82	68	19	50	23-137
2,4-Dinitrotoluene	1667	1667	NA	1500	1290	90	77	15	50	42-121
Fluorene	1667	1667	NA	1450	1390	87	83	4	50	52-113
Diethylphthalate	1667	1667	NA	1520	1440	91	86	5	50	49-114
4-Chlorophenyl-phenylether	1667	1667	NA	1390	1350	83	81	3	50	52-111
4-Nitroaniline	1667	1667	NA	1520	1300	91	78	16	50	0-193
4,6-Dinitro-2-Methylphenol	3333	3333	NA	2600	2430	78	73	7	50	19-137
N-Nitrosodiphenylamine	3333	3333	NA	3130	3010	94	90	4	50	56-140
4-Bromophenyl-phenylether	1667	1667	NA	1530	1510	92	91	1	50	48-122
Hexachlorobenzene	1667	1667	NA	1490	1430	89	86	4	50	42-122
Pentachlorophenol	3333	3333	NA	2390	2350	72	70	2	50	31-133
Phenanthrene	1667	1667	NA	1440	1350	86	81	6	50	55-112
Anthracene	1667	1667	NA	1530	1440	92	86	6	50	54-112
Carbazole	1667	1667	NA	1480	1360	89	82	8	50	37-170

FORM III SV-2

X2817.D & X2818.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/13/03
Analysis Date: 05/21/03
Report Date: 06/05/2003
Matrix: SOIL

Lab ID: WG2250-2 & WG2250-3
Client ID: WG2250-LCS & WG2250-LCSD
SDG: WT0984
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2250
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Di-n-butylphthalate	1667	1667	NA	1560	1520	94	91	2	50	49-127
Fluoranthene	1667	1667	NA	1520	1450	91	87	5	50	50-123
Pyrene	1667	1667	NA	1480	1450	89	87	2	50	53-121
Butylbenzylphthalate	1667	1667	NA	1470	1450	88	87	1	50	50-130
Benzo(a)anthracene	1667	1667	NA	1470	1380	88	83	6	50	54-111
Chrysene	1667	1667	NA	1500	1390	90	83	8	50	54-115
3,3'-Dichlorobenzidine	1667	1667	NA	1520	1370	91	82	10	50	0-197
bis(2-Ethylhexyl)phthalate	1667	1667	NA	1440	1450	86	87	0.7	50	45-129
Di-n-octylphthalate	1667	1667	NA	1660	1600	100	96	4	50	38-155
Benzo(b)fluoranthene	1667	1667	NA	1680	1460	101	88	14	50	48-122
Benzo(k)fluoranthene	1667	1667	NA	1410	1330	85	80	6	50	52-117
Benzo(a)pyrene	1667	1667	NA	1560	1410	94	85	10	50	52-118
Indeno(1,2,3-cd)pyrene	1667	1667	NA	1500	1370	90	82	9	50	43-122
Dibenzo(a,h)anthracene	1667	1667	NA	1450	1270	87	76	13	50	42-113
Benzo(g,h,i)perylene	1667	1667	NA	1460	1340	88	80	8	50	41-118
Acetophenone	1667	1667	NA	1360	1260	82	76	8	50	0-100

FORM III SV-2

X2817.D & X2818.D

Example Calculation. - VOC's

Sample: PCYS10Z 1404

Result: 30 ug/kg for Trichlorofluoromethane ($CFCl_3$)
analyzed 5/8/03

$A_1 = 0.67288$

$$Conc = Amt * DF * (100/(100-M)) * (Vt/Ws)$$

ISTD curve = 410378
Sample = 365879
ISTD Amount = 50
$CFCl_3$ response = 102863

$$Response = Amt * A_1 * \left(\frac{ISTD\ response}{50}\right)$$

$$102863 = Amt * 0.67288 * \left(\frac{365879}{50}\right)$$

$$Amt = \frac{102863}{5333.052304}$$

$$Amt = 20.89$$

$$Conc = 20.89\ ug/g * 1 * (100/(100-15.892)) * \left(\frac{5.00\ mL}{4.18\ g}\right)$$

$$Conc = 20.89 * (1.1889) * (1.196)$$

$$Conc = 29.7\ ug/kg \approx 30\ ug/kg \text{ reported}$$

Example Calculation SVOCs

Sample: PCYS1UZ1404

Result: 765 ug/kg for Bis(2-Ethylhexyl) phthalate (BEHP) analyzed on 5/28/03

$A_1 = 0.90540$ $M = 15.892\%$ $WS = 30.00\ g$ $VE = 1000\ ul$

$$Conc = Amt * DF * \left(\frac{100}{(100-M)}\right) * \left(\frac{VE}{WS}\right)$$

$$BEHP\ response = Amt * A_1 * \left(\frac{ISTD\ Response}{ISTD\ Amount}\right)$$

$$BEHP\ response = Amt * 0.90540 * \left(\frac{215336}{40}\right)$$

$$Amt = \frac{9333}{4874.13036} = 1.91$$

$$Conc = 1.91 * 1 * \left(\frac{100}{(100-15.892)}\right) * \left(\frac{1000}{30}\right)$$

$$Conc = 1.91 * 1.188 * 33.\overline{3}$$

$$Conc = 75.7\ ug/kg\ dw \approx 76\ ug/kg\ dw$$

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**July 7, 2003**
FROM:	**MICHAEL T. AKERS**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – TRPH**
CTO 287, COASTAL SYSTEMS STATION (CSS) PANAMA CITY
SDG C305023

SAMPLES: 6 / Soil / TRPH

PCYS10Z1404*	PCYS10Z1406	PCYS10Z306
PCYS10Z506*	PCYS10Z904	PCYS10Z906*

OVERVIEW

The sample set for CTO 287; CSS Panama City, SDG C305023 consists of six (6) soil environmental samples analyzed for Total Recoverable Petroleum Hydrocarbons (TRPH). The samples denoted with an asterisk (*) were also analyzed for TRPH after undergoing Synthetic Precipitation Leaching Procedure (SPLP).

The samples were collected by TetraTech NUS on April 30th, 2003 and analyzed by Severn Trent Laboratories (STL) Pensacola, FL. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 1312 (SPLP Extraction), FDEP FL-PRO, and TPCWG analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

- Data completeness
- * Holding times
- * Initial and continuing calibration
- * Blank results
- Surrogate spike recoveries
- * Blank Spike/Blank Spike Duplicate Results
- Matrix Spike/Matrix Spike Duplicate Results
- * Detection Limits
- * Compound Quantitation
- * Compound Identification

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

FDEP FL-PRO TRPH

Samples were first analyzed for TRPH by the FDEP FL-PRO method. If the result for TRPH was > 340 mg/kg, the sample were then fractionated and analyzed by the TRPH Working Group Method (TPCWG). PCYS10Z506 was the only sample not analyzed using TPCWG method.

Percent recovery for Nonatriacontane surrogate in method blank was above upper acceptance limits. However, since no analytes were detected in the method blank, no validation action was taken.

Percent recovery for Nonatriacontane surrogate in the Matrix Spike was above upper acceptance limits. No validation action was taken.

Percent recovery for o-Terphenyl and Nonatriacontane surrogates in Matrix Spike Duplicate were above upper acceptance limits. No validation action was taken.

TRPH %D was outside of control limits for Continuing Calibration "CCTPH004" analyzed May 8, 2003 at 13:04. All samples bracketed by this Continuing Calibration were reanalyzed.

TRPH WORKING GROUP

All quality control criteria was met for this fraction.

TRPH SPLP

o-Terphenyl surrogate exhibited recoveries below lower acceptance limits in samples PCYS10Z1404 and PCYS10Z506. Nonatriacontane surrogate was within acceptance limits, therefore no action was taken based on o-Terphenyl recoveries.

Additional Comments

The original data package was missing FL-PRO Continuing Calibration "CCTPH003." "CCTPH002" response also indicated that the TRPH peak was not correctly identified. Lance Larson at STL Pensacola was contacted and provided the missing and corrected forms.

EXECUTIVE SUMMARY

Laboratory Performance Issues: The original data package was missing a FL-PRO continuing calibration. The laboratory provided the calibration upon request.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), EPA Region IV (8/93) and the NFESC guidelines "Navy IRCDQM" (Sept 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

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

Tetra Tech NUS

Michael T. Akers
Chemist/Data Validator

Edward Sedlmyer /for
TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

UJ - Nondetected result is considered to be estimated as a result of technical noncompliances.

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
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/PCB D% 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 = % Solid content is less than 30%

PROJ_NO: 9061

SDG: C305023 MEDIA: SPLP DATA FRACTION: SPLPT

nsample	PCYS10Z1404
samp_date	4/30/2003
lab_id	C305023*2
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	100	U	U	

nsample	PCYS10Z506
samp_date	4/30/2003
lab_id	C305023*3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	100	U	U	

nsample	PCYS10Z906
samp_date	4/30/2003
lab_id	C305023*1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	100	U	U	

PROJ_NO: 9061

SDG: C305023 MEDIA: SOIL DATA FRACTION: PET

nsample	PCYS10Z1404
samp_date	4/30/2003
lab_id	C305023*2
qc_type	NM
units	MG/KG
Pct_Solids	80
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
C10-C12 ALIPHATICS	65	U	U	
C10-C12 AROMATICS	65	U	U	
C12-C16 ALIPHATICS	65	U	U	
C12-C16 AROMATICS	65	U	U	
C16-C21 ALIPHATICS	65	U	U	
C16-C21 AROMATICS	65	U	U	
C21-C35 ALIPHATICS	65	U	U	
C21-C35 AROMATICS	65	U	U	
C5-C7 AROMATICS	44	U	U	
C6-C8 ALIPHATICS	65	U	U	
C7-C8 AROMATICS	65	U	U	
C8-C10 ALIPHATICS	65	U	U	
C8-C10 AROMATICS	65	U	U	
TOTAL PETROLEUM HYDROCARBONS	480			

nsample	PCYS10Z1406
samp_date	4/30/2003
lab_id	C305023*6
qc_type	NM
units	MG/KG
Pct_Solids	92
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
C10-C12 ALIPHATICS	55	U	U	
C10-C12 AROMATICS	55	U	U	
C12-C16 ALIPHATICS	87			
C12-C16 AROMATICS	57			
C16-C21 ALIPHATICS	52			
C16-C21 AROMATICS	55	U	U	
C21-C35 ALIPHATICS	300			
C21-C35 AROMATICS	55	U	U	
C5-C7 AROMATICS	37	U	U	
C6-C8 ALIPHATICS	55	U	U	
C7-C8 AROMATICS	55	U	U	
C8-C10 ALIPHATICS	55	U	U	
C8-C10 AROMATICS	72			
TOTAL PETROLEUM HYDROCARBONS	1900			

nsample	PCYS10Z306
samp_date	4/30/2003
lab_id	C305023*4
qc_type	NM
units	MG/KG
Pct_Solids	94
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
C10-C12 ALIPHATICS	55	U	U	
C10-C12 AROMATICS	55	U	U	
C12-C16 ALIPHATICS	55	U	U	
C12-C16 AROMATICS	55	U	U	
C16-C21 ALIPHATICS	55	U	U	
C16-C21 AROMATICS	55	U	U	
C21-C35 ALIPHATICS	55	U	U	
C21-C35 AROMATICS	55	U	U	
C5-C7 AROMATICS	37	U	U	
C6-C8 ALIPHATICS	55	U	U	
C7-C8 AROMATICS	55	U	U	
C8-C10 ALIPHATICS	55	U	U	
C8-C10 AROMATICS	55	U	U	
TOTAL PETROLEUM HYDROCARBONS	560			

PROJ_NO: 9061

SDG: C305023 MEDIA: SOIL DATA FRACTION: PET

nsample	PCYS10Z506
samp_date	4/30/2003
lab_id	C305023*3
qc_type	NM
units	MG/KG
Pct_Solids	89
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	110			

nsample	PCYS10Z904
samp_date	4/30/2003
lab_id	C305023*5
qc_type	NM
units	MG/KG
Pct_Solids	74
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
C10-C12 ALIPHATICS	73			
C10-C12 AROMATICS	70	U	U	
C12-C16 ALIPHATICS	110			
C12-C16 AROMATICS	70	U	U	
C16-C21 ALIPHATICS	70	U	U	
C16-C21 AROMATICS	70	U	U	
C21-C35 ALIPHATICS	70	U	U	
C21-C35 AROMATICS	70	U	U	
C5-C7 AROMATICS	48	U	U	
C6-C8 ALIPHATICS	70	U	U	
C7-C8 AROMATICS	70	U	U	
C8-C10 ALIPHATICS	70	U	U	
C8-C10 AROMATICS	51			
TOTAL PETROLEUM HYDROCARBONS	1700			

nsample	PCYS10Z906
samp_date	4/30/2003
lab_id	C305023*1
qc_type	NM
units	MG/KG
Pct_Solids	92
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
C10-C12 ALIPHATICS	55	U	U	
C10-C12 AROMATICS	55	U	U	
C12-C16 ALIPHATICS	55			
C12-C16 AROMATICS	55	U	U	
C16-C21 ALIPHATICS	55	U	U	
C16-C21 AROMATICS	55	U	U	
C21-C35 ALIPHATICS	55	U	U	
C21-C35 AROMATICS	55	U	U	
C5-C7 AROMATICS	37	U	U	
C6-C8 ALIPHATICS	55	U	U	
C7-C8 AROMATICS	55	U	U	
C8-C10 ALIPHATICS	55	U	U	
C8-C10 AROMATICS	55	U	U	
TOTAL PETROLEUM HYDROCARBONS	9500			

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05023-1	PCYS10Z906	Solid	05/01/03	04/30/03 10:45	
05023-2	PCYS10Z1404	Solid	05/01/03	04/30/03 11:35	
05023-3	PCYS10Z506	Solid	05/01/03	04/30/03 12:00	

Parameter	Units	Lab Sample IDs 05023-1	05023-2	05023-3
Petroleum Hydrocarbons in SPLP Extract (FL-PRO)				
Petroleum Range Organics (FL-PRO)	ug/l	<100	<100	<100
Surrogate - o-Terphenyl *	%	91 %	71 %J1	76 %J1
Surrogate - Nonatriacontane (C39) *	%	96 %	85 %	93 %
Percent Solids		92	80	89
Dilution Factor		1	1	1
Prep Date		05/08/03	05/08/03	05/08/03
Analysis Date		05/08/03	05/08/03	05/08/03
Batch ID		FLW039	FLW039	FLW039
Prep Method		3520C	3520C	3520C
Analyst		KA	KA	KA
Quantitation Factor		1.0	1.0	1.0
Petroleum Hydrocarbons (FL-PRO)				
Petroleum Range Organics (FL-PRO)	mg/kg dw	9500	480	110
Surrogate - o-Terphenyl *	mg/kg dw	D	D	87 %
Surrogate - Nonatriacontane (C39) *	mg/kg dw	D	D	100 %
Percent Solids		92	80	89
Dilution Factor		50	5	1
Prep Date		05/07/03	05/07/03	05/07/03
Analysis Date		05/08/03	05/08/03	05/08/03
Batch ID		FLS016	FLS016	FLS016
Prep Method		3550B	3550B	3550B
Analyst		KA	KA	KA
Quantitation Factor		55	7.5	1.1
TPH-WG-ALI (TPHOWG)				
>/= C6-C8 Aliphatics	mg/kg dw	<55	<65	N/A
>C8-C10 Aliphatics	mg/kg dw	<55	<65	

4

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05023-1	PCYS10Z906	Solid	05/01/03	04/30/03 10:45	
05023-2	PCYS10Z1404	Solid	05/01/03	04/30/03 11:35	
05023-3	PCYS10Z506	Solid	05/01/03	04/30/03 12:00	

Parameter	Units	Lab Sample IDs 05023-1	05023-2	05023-3
TPH-WG-ALI (TPHCWG)				
>C10-C12 Aliphatics	mg/kg dw	<55	<65	
>C12-C16 Aliphatics	mg/kg dw	55	<65	
>C16-C21 Aliphatics	mg/kg dw	<55	<65	
>C21-C35 Aliphatics	mg/kg dw	<55	<65	
Percent Solids		92	80	89
Dilution Factor		1	1	
Prep Date		05/12/03	05/12/03	
Analysis Date		05/13/03	05/13/03	
Batch ID		GES270	GES270	
Prep Method		TPHCWG	TPHCWG	TPHCWG
Analyst		IE	IE	
Quantitation Factor		1.1	1.3	
TPH-WG-ARO (TPHCWG)				
>C5-C7 Aromatics	mg/kg dw	<37	<44	N/A
>C7-C8 Aromatics	mg/kg dw	<55	<65	
>C8-C10 Aromatics	mg/kg dw	<55	<65	
>C10-C12 Aromatics	mg/kg dw	<55	<65	
>C12-C16 Aromatics	mg/kg dw	<55	<65	
>C16-C21 Aromatics	mg/kg dw	<55	<65	
>C21-C35 Aromatics	mg/kg dw	<55	<65	
Percent Solids		92	80	89
Dilution Factor		1	1	
Prep Date		05/12/03	05/12/03	
Analysis Date		05/13/03	05/13/03	
Batch ID		GES270	GES270	
Prep Method		TPHCWG	TPHCWG	TPHCWG
Analyst		IE	IE	
Quantitation Factor		1.1	1.3	

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05023-4	PCYS10Z306	Solid	05/01/03	04/30/03 10:15	
05023-5	PCYS10Z904	Solid	05/01/03	04/30/03 10:30	
05023-6	PCYS10Z1406	Solid	05/01/03	04/30/03 11:50	

Parameter	Units	Lab Sample IDs 05023-4	05023-5	05023-6
Petroleum Hydrocarbons (FL-PRO)				
Petroleum Range Organics (FL-PRO)	mg/kg dw	560	1700	1900
Surrogate - o-Terphenyl *	mg/kg dw	D	D	D
Surrogate - Nonatriacontane (C39) *	mg/kg dw	D	D	D
Percent Solids		94	74	92
Dilution Factor		5	10	10
Prep Date		05/07/03	05/07/03	05/07/03
Analysis Date		05/08/03	05/08/03	05/08/03
Batch ID		FLS016	FLS016	FLS016
Prep Method		3550B	3550B	3550B
Analyst		KA	KA	KA
Quantitation Factor		5.5	14	11
TPH-WG-ALI (TPHCWG)				
>/= C6-C8 Aliphatics	mg/kg dw	<55	<70	<55
>C8-C10 Aliphatics	mg/kg dw	<55	<70	<55
>C10-C12 Aliphatics	mg/kg dw	<55	73	<55
>C12-C16 Aliphatics	mg/kg dw	<55	110	87
>C16-C21 Aliphatics	mg/kg dw	<55	<70	52
>C21-C35 Aliphatics	mg/kg dw	<55	<70	300
Percent Solids		94	74	92
Dilution Factor		1	1	1
Prep Date		05/12/03	05/12/03	05/12/03
Analysis Date		05/13/03	05/13/03	05/13/03
Batch ID		GES270	GES270	GES270
Prep Method		TPHCWG	TPHCWG	TPHCWG
Analyst		IE	IE	IE
Quantitation Factor		1.1	1.4	1.1

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05023-4	PCYS10Z306	Solid	05/01/03	04/30/03 10:15	
05023-5	PCYS10Z904	Solid	05/01/03	04/30/03 10:30	
05023-6	PCYS10Z1406	Solid	05/01/03	04/30/03 11:50	

Parameter	Units	Lab Sample IDs 05023-4	05023-5	05023-6
TPH-WG-ARO (TPHCWG)				
>C5-C7 Aromatics	mg/kg dw	<37	<48	<37
>C7-C8 Aromatics	mg/kg dw	<55	<70	<55
>C8-C10 Aromatics	mg/kg dw	<55	51	72
>C10-C12 Aromatics	mg/kg dw	<55	<70	<55
>C12-C16 Aromatics	mg/kg dw	<55	<70	57
>C16-C21 Aromatics	mg/kg dw	<55	<70	<55
>C21-C35 Aromatics	mg/kg dw	<55	<70	<55
Percent Solids		94	74	92
Dilution Factor		1	1	1
Prep Date		05/12/03	05/12/03	05/12/03
Analysis Date		05/13/03	05/13/03	05/13/03
Batch ID		GES270	GES270	GES270
Prep Method		TPHCWG	TPHCWG	TPHCWG
Analyst		IE	IE	IE
Quantitation Factor		1.1	1.4	1.1

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05023-7	Method Blank	Solid	05/01/03		
05023-8	LCS True Value	Solid	05/01/03		
05023-9	Lab Control Standard Result	Solid	05/01/03		
05023-10	Lab Control Standard % Recovery	Solid	05/01/03		
05023-11	MS True Value	Solid	05/01/03		

Parameter	Units	Lab Sample IDs 05023-7	05023-8	05023-9	05023-10	05023-11
Petroleum Hydrocarbons (FL-PRO)						
Petroleum Range Organics (FL-PRO)	mg/kg dw	<2.5	113.333	96.355	85 %	113.333
Surrogate - o-Terphenyl *	%	94 %	200	183	92 %	200
Surrogate - Nonatriacontane (C39) *	%	148 %J1	34	34	100 %	34
Dilution Factor		1		1		
Prep Date		05/07/03		05/07/03		
Analysis Date		05/08/03		05/08/03		
Batch ID		FLS016	FLS016	FLS016	FLS016	FLS016
Prep Method		3550B		3550B		
Analyst		KA		KA		
Quantitation Factor		1.0		1.0		
Petroleum Hydrocarbons in SPLP Extract (FL-PRO)						
Petroleum Range Organics (FL-PRO)	ug/l	<100	3400	2941	87 %	NoMS
Surrogate - o-Terphenyl *	%	91 %	200	188	94 %	
Surrogate - Nonatriacontane (C39) *	%	117 %	34	25	73 %	
Dilution Factor		1		1		
Prep Date		05/08/03		05/08/03		
Analysis Date		05/08/03		05/08/03		
Batch ID		FLW039	FLW039	FLW039	FLW039	
Prep Method		3520C		3520C		
Analyst		KA		KA		
Quantitation Factor		1.0		1.0		
Total TPH at >/= C6-C35 (TPHCWG)						
Total TPH at >/= C6-C35	mg/kg dw	<50	850	777	91 %	850
Dilution Factor		1		1		
Prep Date		05/12/03		05/12/03		
Analysis Date		05/13/03		05/13/03		
Batch ID		GES270	GES270	GES270	GES270	GES270
Prep Method		TPHCWG		TPHCWG		
Analyst		IE		IE		
Quantitation Factor		1.0		1.0		

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05023-12	Matrix Spike Result	Solid	05/01/03		
05023-13	Matrix Spike % Recovery	Solid	05/01/03		
05023-14	Spike Amount Added, MSD	Solid	05/01/03		
05023-15	Matrix Spike Duplicate Result	Solid	05/01/03		
05023-16	Matrix Spike Duplicate % Recovery	Solid	05/01/03		

Parameter	Units	Lab Sample IDs 05023-12	05023-13	05023-14	05023-15	05023-16
Petroleum Hydrocarbons (FL-PRO)						
Petroleum Range Organics (FL-PRO)	mg/kg dw	116.816	103 %	113.333	132.349	117 %
Surrogate - o-Terphenyl *	mg/kg dw	199	100 %	200	222	111 %J1
Surrogate - Nonatriacontane (C39) *	mg/kg dw	42	123 %J1	34	48	141 %J1
Dilution Factor		1			1	
Prep Date		05/07/03			05/07/03	
Analysis Date		05/08/03			05/08/03	
Batch ID		FLS016	FLS016	FLS016	FLS016	FLS016
Prep Method		3550B			3550B	
Analyst		KA			KA	
Quantitation Factor		1.0			1.0	
Petroleum Hydrocarbons in SPLP Extract (FL-PRO)						
Petroleum Range Organics (FL-PRO)	ug/l	NoMS	NoMS	NoMS	NoMS	NoMS
Total TPH at >/= C6-C35 (TPHCWG)						
Total TPH at >/= C6-C35	mg/kg dw	824	97 %	850	841	99 %
Dilution Factor		1			1	
Prep Date		05/12/03			05/12/03	
Analysis Date		05/13/03			05/13/03	
Batch ID		GES270	GES270	GES270	GES270	GES270
Prep Method		TPHCWG			TPHCWG	
Analyst		IE			IE	
Quantitation Factor		1.0			1.0	

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05023-17	Precision (%RPD) MS/MSD	Solid	05/01/03		
05023-18	MS Accuracy Advisory Limit (%R)	Solid	05/01/03		
05023-19	MS Precision Advisory Limit (%RPD)	Solid	05/01/03		

Parameter	Units	Lab Sample IDs 05023-17	05023-18	05023-19
Petroleum Hydrocarbons (FL-PRO)				
Petroleum Range Organics (FL-PRO)	mg/kg dw	13	62-204	30
Surrogate - o-Terphenyl *	mg/kg dw		62-109	
Surrogate - Nonatriacontane (C39) *	mg/kg dw		60-118	
Batch ID		FLS016		
Petroleum Hydrocarbons in SPLP Extract (FL-PRO)				
Petroleum Range Organics (FL-PRO)	ug/l	NoMS	NoMS	NoMS
Total TPH at >/= C6-C35 (TPHCWG)				
Total TPH at >/= C6-C35	mg/kg dw	2	60-140	40
Batch ID		GES270		

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05023-20	LCS Accuracy Control Limit (%R)	Solid	05/01/03		

Parameter	Units	Lab Sample IDs 05023-20
Petroleum Hydrocarbons (FL-PRO)		
Petroleum Range Organics (FL-PRO)	mg/kg dw	63-153
Surrogate - o-Terphenyl *	mg/kg dw	62-109
Surrogate - Nonatriacontane (C39) *	mg/kg dw	60-118
Petroleum Hydrocarbons in SPLP Extract (FL-PRO)		
Petroleum Range Organics (FL-PRO)	ug/l	63-153
Surrogate - o-Terphenyl *	ug/l	62-109
Surrogate - Nonatriacontane (C39) *	ug/l	60-118
Total TPH at >/= C6-C35 (TPHCWG)		
Total TPH at >/= C6-C35	mg/kg dw	60-140

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

APPENDIX C

SUPPORT DOCUMENTATION

C305023

HOLDING TIME
06/12/03

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/L	Method Blank	C305023*7	M_BLANK	C305023	SPLPT	/ /	05/08/03	05/08/03	0	0	0
UG/L	PCYS10Z1404	C305023*2	NORMAL	C305023	SPLPT	04/30/03	05/08/03	05/08/03	8	0	8
UG/L	PCYS10Z506	C305023*3	NORMAL	C305023	SPLPT	04/30/03	05/08/03	05/08/03	8	0	8
UG/L	PCYS10Z906	C305023*1	NORMAL	C305023	SPLPT	04/30/03	05/08/03	05/08/03	8	0	8
%	Lab Control Standard % Re	C305023*10	LCS	C305023	TPH	/ /	/ /	/ /	0	0	0
%	Matrix Spike % Recovery	C305023*13	MS	C305023	TPH	/ /	/ /	/ /	0	0	0
%	Matrix Spike Duplicate %	C305023*16	MSD	C305023	TPH	/ /	/ /	/ /	0	0	0
%	Method Blank	C305023*7	M_BLANK	C305023	TPH	/ /	05/07/03	05/08/03	0	1	0
%	PCYS10Z1404	C305023*2	NORMAL	C305023	TPH	04/30/03	05/08/03	05/08/03	8	0	8
MG/KG	PCYS10Z1406	C305023*6	NORMAL	C305023	TPH	04/30/03	05/07/03	05/08/03	7	1	8
MG/KG	PCYS10Z306	C305023*4	NORMAL	C305023	TPH	04/30/03	05/07/03	05/08/03	7	1	8
%	PCYS10Z506	C305023*3	NORMAL	C305023	TPH	04/30/03	05/08/03	05/08/03	8	0	8
MG/KG	PCYS10Z904	C305023*5	NORMAL	C305023	TPH	04/30/03	05/07/03	05/08/03	7	1	8
%	PCYS10Z906	C305023*1	NORMAL	C305023	TPH	04/30/03	05/08/03	05/08/03	8	0	8

Chain of Custody Record

STL4124-400 (12/02)

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Pensacola
3355 McLemore Drive
Pensacola, FL 32514

Client: Tetra Tech	Project Manager: G. Walker	Date: 4/30/03	Chain of Custody Number: 04944
Address: 1401 Oven Park Dr Suite 201	Telephone Number (Area Code)/Fax Number: 850 385/9899 850 385-9860	Lab Number: C305023	Page 1 of 1
City: Tallahassee; State: FL; Zip Code: 32312	Site Contact: W.D. Olson	Lab Contact: ~~[illegible]~~	
Project Name and Location (State): CTO 287 CSS Panama City	Carrier/Waybill Number: FEDEX		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TPH-FLR	PL-PRO/LVG	SPLP FL PRO		Special Instructions/ Conditions of Receipt
PCY 510 Z906	4/30/03	1045				X	X						X	1	1	1	
PCY 510 Z1404	4/30/03	1135				X	X						X	1	1	2	
PCY 510 Z306	4/30/03	1015				X	X						X	1	X	4	
PCY 510 Z904	4/30/03	1030				X	X						X	1	X	5	
PCY 510 Z1406	4/30/03	1150				X	X						X	1	X	6	
PCY 510 Z506	4/30/03	1200				X	X						X	1	1	3	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Per WR

QC Requirements (Specify): Per WR

1. Relinquished By: Scott R. McGuire	Date: 4/30/03	Time: 1300	1. Received By: Judith L. Kitt	Date: 4/5/1/03	Time: 0915
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

CASE NARRATIVE

Order: C305023
Project: CTO-287; CSS PANAMA CITY, FL

Semivolatiles by GC Fraction

SAMPLE#	SAMPLE DESCRIPTION	MATRIX
C305023*1	PCYS10Z906	Solid
C305023*2	PCYS10Z1404	Solid
C305023*3	PCYS10Z506	Solid
C305023*4	PCYS10Z306	Solid
C305023*5	PCYS10Z904	Solid
C305023*6	PCYS10Z1406	Solid

Slight surrogate under-recovery in SPLP analyses of samples -2 and -3. TPH non-detect in the samples.

Surrogate compounds flagged "D" for FLPRO were diluted out.

Working group results not reported for sample -3 due to a FLPRO result of <340 mg/kg.

No other anomalies were associated with the analyses of these samples.

Sample Summary

Order: C305023
Date Received: 05/01/2003

Client: Tetra Tech NUS, Inc.
Project: CTO-287; CSS PANAMA CITY, FL

Client Sample ID	Lab Sample ID	Matrix	Date Sampled
PCYS10Z906	C305023*1	Soil	04/30/2003 10:45
PCYS10Z1404	C305023*2	Soil	04/30/2003 11:35
PCYS10Z506	C305023*3	Soil	04/30/2003 12:00
PCYS10Z306	C305023*4	Soil	04/30/2003 10:15
PCYS10Z904	C305023*5	Soil	04/30/2003 10:30
PCYS10Z1406	C305023*6	Soil	04/30/2003 11:50
Method Blank	C305023*7	Soil	

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05023-1	PCYS10Z906	Solid	05/01/03	04/30/03 10:45	
05023-2	PCYS10Z1404	Solid	05/01/03	04/30/03 11:35	
05023-3	PCYS10Z506	Solid	05/01/03	04/30/03 12:00	

Parameter	Units	Lab Sample IDs 05023-1	05023-2	05023-3
Petroleum Hydrocarbons in SPLP Extract (FL-PRO)				
Petroleum Range Organics (FL-PRO)	ug/l	<100	<100	<100
Surrogate - o-Terphenyl *	%	91 %	71 %J1	76 %J1
Surrogate - Nonatriacontane (C39) *	%	96 %	85 %	93 %
Percent Solids		92	80	89
Dilution Factor		1	1	1
Prep Date		05/08/03	05/08/03	05/08/03
Analysis Date		05/08/03	05/08/03	05/08/03
Batch ID		FLW039	FLW039	FLW039
Prep Method		3520C	3520C	3520C
Analyst		KA	KA	KA
Quantitation Factor		1.0	1.0	1.0
Petroleum Hydrocarbons (FL-PRO)				
Petroleum Range Organics (FL-PRO)	mg/kg dw	9500	480	110
Surrogate - o-Terphenyl *	mg/kg dw	D	D	87 %
Surrogate - Nonatriacontane (C39) *	mg/kg dw	D	D	100 %
Percent Solids		92	80	89
Dilution Factor		50	5	1
Prep Date		05/07/03	05/07/03	05/07/03
Analysis Date		05/08/03	05/08/03	05/08/03
Batch ID		FLS016	FLS016	FLS016
Prep Method		3550B	3550B	3550B
Analyst		KA	KA	KA
Quantitation Factor		55	7.5	1.1
TPH-WG-ALI (TPHCWG)				
>/= C6-C8 Aliphatics	mg/kg dw	<55	<65	N/A
>C8-C10 Aliphatics	mg/kg dw	<55	<65	

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05023-12	Matrix Spike Result	Solid	05/01/03		
05023-13	Matrix Spike % Recovery	Solid	05/01/03		
05023-14	Spike Amount Added, MSD	Solid	05/01/03		
05023-15	Matrix Spike Duplicate Result	Solid	05/01/03		
05023-16	Matrix Spike Duplicate % Recovery	Solid	05/01/03		

Parameter	Units	Lab Sample IDs 05023-12	05023-13	05023-14	05023-15	05023-16
Petroleum Hydrocarbons (FL-PRO)						
Petroleum Range Organics (FL-PRO)	mg/kg dw	116.816	103 %	113.333	132.349	117 %
Surrogate - o-Terphenyl *	mg/kg dw	199	100 %	200	222	111 %J1
Surrogate - Nonatriacontane (C39) *	mg/kg dw	42	123 %J1	34	48	141 %J1
Dilution Factor		1			1	
Prep Date		05/07/03			05/07/03	
Analysis Date		05/08/03			05/08/03	
Batch ID		FLS016	FLS016	FLS016	FLS016	FLS016
Prep Method		3550B			3550B	
Analyst		KA			KA	
Quantitation Factor		1.0			1.0	
Petroleum Hydrocarbons in SPLP Extract (FL-PRO)						
Petroleum Range Organics (FL-PRO)	ug/l	NoMS	NoMS	NoMS	NoMS	NoMS
Total TPH at >/= C6-C35 (TPHCWG)						
Total TPH at >/= C6-C35	mg/kg dw	824	97 %	850	841	99 %
Dilution Factor		1			1	
Prep Date		05/12/03			05/12/03	
Analysis Date		05/13/03			05/13/03	
Batch ID		GES270	GES270	GES270	GES270	GES270
Prep Method		TPHCWG			TPHCWG	
Analyst		IE			IE	
Quantitation Factor		1.0			1.0	

Data File : W:\DATA\050703\0901012.D
Acq On : 7 May 2003 12:33
Sample : FLS BLK 016
Misc : SOIL 016
IntFile : HC.E
Quant Time: May 7 14:00 2003 Quant Results File: FL-PRO27.RES

Vial: 9
Operator: KJA
Inst : Flash
Multiplr: 46.67

Quant Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Mon Apr 14 07:21:27 2003
Response via : Initial Calibration
DataAcq Meth : 8015.M

Volume Inj. : 1 ul
Signal Phase : RTX-5 EZ Flash (5m L; 0.25mm ID; 0.25um df)
Signal Info : serial # 218394

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S OTP	0.92	541347	269.254 ug/ml
Spiked Amount 125.000 Range 62 - 109		Recovery =	215.40%#
2) S C39	1.61	199571	72.172 ug/ml
Spiked Amount 50.000 Range 60 - 118		Recovery =	144.34%#
Target Compounds			
3) HM FLPRO C8-C40	1.50	236556	N.D. ppb

(f)=RT Delta > 1/2 Window
(m)=manual int.

Data File : W:\DATA\050703\1101014.D Vial: 11
Acq On : 7 May 2003 12:47 Operator: KJA
Sample : C305019-1 MS Inst : Flash
Misc : SOIL 016 Multiplr: 45.12
IntFile : HC.E
Quant Time: May 7 14:03 2003 Quant Results File: FL-PRO27.RES

Quant Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Mon Apr 14 07:21:27 2003
Response via : Initial Calibration
DataAcq Meth : 8015.M

1.25

Volume Inj. : 1 ul
Signal Phase : RTX-5 EZ Flash (5m L; 0.25mm ID; 0.25um df)
Signal Info : serial # 218394

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S OTP	0.92	642254	319.443 ug/ml 100%
Spiked Amount 125.000 30 Range 62 - 109		Recovery = 255.55%#	
2) S C39	1.61	184158	67.202 ug/ml 123%
Spiked Amount 50.000 30 Range 60 - 118		Recovery = 134.40%#	
Target Compounds			
3) HM FLPRO C8-C40	1.50	6238297	126718.198 ppb

.990

116814 / 113333 = 103%

(f)=RT Delta > 1/2 Window (m)=manual int.
1101014.D FL-PRO27.M Wed May 07 14:04:42 2003 FLO Page 1

EPH Multipliers
IE/KJA
5/8/03

Multiplier = [(Extract volume) x (Fractionation volume) x (Lab dilution)] / [(Weight extracted) x (Dry
Quantitation Factor = (Total dilution factor) / (Dry weight)

Total Dilution Factor = (Lab dilution) x [1 / (Fractionation volume)] x [(Extract volume) / 1] x [30 / (Weight extracted)]

SA #	Multiplier (ml/kg)	Total Dilution Factor	Quant Factor	Lab Dilution	Extract Volume (mls)	Weight Extracted (g)	% Solids
BLK	46.67	1.00	1.0	1	1.40	30.00	100%
LCS	46.67	1.00	1.0	1	1.40	30.00	100%
305019-1 MS	45.12	1.00	1.1	1	1.25	30.11	92%
305019-1 MSD	55.70	1.00	1.1	1	1.55	30.25	92%
305019-1	46.04	1.00	1.1	1	1.30	30.69	92%
305023-1	50.21	1.00	1.1	1	1.40	30.31	92%
305023-2	45.64	1.00	1.3	1	1.10	30.13	80%
305023-3	53.72	1.00	1.1	1	1.45	30.33	89%
305023-4	29.80	1.00	1.1	1	0.85	30.34	94%
305023-5	33.16	1.00	1.4	1	0.75	30.56	74%
305023-6	52.29	1.00	1.1	1	1.45	30.14	92%

Data File : W:\DATA\050803\4301023.D
Acq On : 8 May 2003 17:24
Sample : FLW BLK 039
Misc : FL WATER 039
IntFile : HC.E
Quant Time: May 9 6:38 2003 Quant Results File: FL-PRO27.RES

Vial: 43
Operator: KJA
Inst : Flash
Multiplr: 1.05

Quant Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Mon Apr 14 07:21:27 2003
Response via : Initial Calibration
DataAcq Meth : 8015.M

Volume Inj. : 1 ul
Signal Phase : RTX-5 EZ Flash (5m L; 0.25mm ID; 0.25um df)
Signal Info : serial # 218394

Compound		R.T.	Response	Conc Units
System Monitoring Compounds				
1) S OTP		0.92	697310	346.827 ug/ml
Spiked Amount	125.000	Range 82 - 142	Recovery	= 277.46%#
2) S C39		1.60	212151	76.229 ug/ml
Spiked Amount	50.000	Range 42 - 193	Recovery	= 152.46%
Target Compounds				
3) HM FLPRO C8-C40		1.50	59800	N.D. ppb

(f)=RT Delta > 1/2 Window
(m)=manual int.

Comment:
Operator: KJA
Data Path: D:\HPCHEM\3\DATA\050803\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	BLK001	8015	mecl2
2	Sample	100	BLK002	8015	mecl2
3	Sample	100	BLK003	8015	mecl2
4	Sample	1	CCTPH001	8015	TPH STD 100 PPM EA
5	Sample	2	--------	8015	C305058-1
6	Sample	3	--------	8015	C305061-1
7	Sample	4	--------	8015	C305061-2
8	Sample	5	--------	8015	C305061-3
9	Sample	6	--------	8015	C305061-4
10	Sample	7	--------	8015	C305061-5
11	Sample	8	--------	8015	C305061-6
12	Sample	9	--------	8015	C305061-7
13	Sample	10	--------	8015	C305061-8
14	Sample	11	--------	8015	C305061-9
15	Sample	12	CCTPH002	8015	TPH STD 100 PPM EA
16	Sample	13	--------	8015	C305066-1
17	Sample	14	--------	8015	C305066-2
18	Sample	15	--------	8015	C305066-3
19	Sample	16	--------	8015	C305066-4
20	Sample	17	--------	8015	C305066-5
21	Sample	18	--------	8015	C305066-6
22	Sample	19	--------	8015	C305066-8
23	Sample	20	CCTPH003	8015	TPH STD 100 PPM EA
24	Sample	21	--------	8015	C305023-1
25	Sample	22	--------	8015	C305023-2
26	Sample	23	--------	8015	C305023-3
27	Sample	24	--------	8015	C305023-4
28	Sample	25	--------	8015	C305023-5
29	Sample	26	--------	8015	C305023-6
30	Sample	20	CCTPH004	8015	TPH STD 100 PPM EA
31	Sample	100	BLK004	8015	mecl2
32	Sample	27	--------	8015	FLW LCS 038
33	Sample	100	BLK005	8015	mecl2
34	Sample	100	BLK006	8015	mecl2
35	Sample	100	BLK007	8015	mecl2
36	Sample	100	BLK008	8015	mecl2
37	Sample	100	BLK009	8015	mecl2
38	Sample	100	BLK010	8015	mecl2
39	Sample	28	CCTPH005	8015	TPH STD 100 PPM EA
40	Sample	29	--------	8015	C305023-1 X50
41	Sample	30	--------	8015	C305023-2 X5
42	Sample	31	--------	8015	C305023-4 X5
43	Sample	32	--------	8015	C305023-5 X10

Line	Type	Vial	DataFile	Method	Sample Name
44	Sample	33	--------	8015	C305023-6 X10
45	Sample	100	BLK011	8015	mecl2
46	Sample	34	--------	8015	FLW BLK 038
47	Sample	35	--------	8015	C305139-1
48	Sample	36	CCTPH006	8015	TPH STD 100 PPM EA
49	Sample	37	--------	8015	C305111-1
50	Sample	38	--------	8015	C305111-2
51	Sample	39	--------	8015	C305111-3
52	Sample	40	--------	8015	C305111-4
53	Sample	41	--------	8015	C305111-5
54	Sample	42	--------	8015	C305111-6
55	Sample	43	--------	8015	FLW BLK 039
56	Sample	44	--------	8015	FLW LCS 039
57	Sample	45	CCTPH007	8015	TPH STD 100 PPM EA
58	Sample	46	--------	8015	C305023-1
59	Sample	47	--------	8015	C305023-2
60	Sample	48	--------	8015	C305023-3
61	Sample	49	--------	8015	C305024-1
62	Sample	50	--------	8015	C305024-2
63	Sample	51	--------	8015	C305024-3
64	Sample	52	--------	8015	C305168-1
65	Sample	53	--------	8015	FPS BLK 018
66	Sample	54	--------	8015	FPS LCS018
67	Sample	55	CCTPH008	8015	TPH STD 100 PPM EA
68	Sample	56	--------	8015	C305161-8 MS
69	Sample	57	--------	8015	C305161-8 MSD
70	Sample	58	--------	8015	C305161-1
71	Sample	59	--------	8015	C305161-2
72	Sample	60	--------	8015	C305161-3
73	Sample	61	--------	8015	C305161-4
74	Sample	62	--------	8015	C305161-5
75	Sample	63	--------	8015	C305161-6
76	Sample	64	--------	8015	C305161-7
77	Sample	65	--------	8015	C305161-8
78	Sample	66	CCTPH009	8015	TPH STD 100 PPM EA
79	Sample	67	--------	8015	C305161-9 X10
80	Sample	68	--------	8015	C305161-10
81	Sample	69	--------	8015	C305070-1
82	Sample	70	--------	8015	C305070-2
83	Sample	71	--------	8015	C305070-3
84	Sample	72	--------	8015	C305070-4
85	Sample	73	--------	8015	C305070-5
86	Sample	74	--------	8015	C305070-6
87	Sample	75	--------	8015	C305070-7
88	Sample	76	--------	8015	C305070-8
89	Sample	77	CCTPH010	8015	TPH STD 100 PPM EA
90	Sample	78	--------	8015	C305070-9
91	Sample	79	--------	8015	C305085-5
92	Sample	77	CCTPH011	8015	TPH STD 100 PPM EA

Data File : W:\DATA\050803\CCTPH001.D
Acq On : 8 May 2003 9:52
Sample : TPH STD 100 PPM EA
Misc : 05-ORGW100-2
IntFile : HC.E

Vial: 1
Operator: KJA
Inst : Flash
Multiplr: 1.00

Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Mon Apr 14 07:21:27 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 HM FLPRO C8-C40	1700.000	1791.422	-5.4	0	0.00

(#) = Out of Range
CCTPH015.D FL-PRO27.M

SPCC's out = 0 CCC's out = 0
Fri Jun 20 08:53:00 2003

Data File : W:\DATA\050803\CCTPH002.D
Acq On : 8 May 2003 11:14
Sample : TPH STD 100 PPM EA
Misc : 05-ORGW100-2
IntFile : HC.E

Vial: 12
Operator: KJA
Inst : Flash
Multiplr: 1.00

Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Mon Apr 14 07:21:27 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 HM FLPRO C8-C40	1700.000	1566.583	7.8	0	0.00

(#) = Out of Range
CCTPH015.D FL-PRO27.M

SPCC's out = 0 CCC's out = 0
Fri Jun 20 08:52:21 2003

Evaluate Continuing Calibration Report

Data File : W:\DATA\050703\CCTPH003.D
Acq On : 7 May 2003 13:02
Sample : TPH STD 100 PPM EA
Misc : 05-ORGW100-2
IntFile : HC.E

Vial: 7
Operator: KJA
Inst : Flash
Multiplr: 1.00

Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Mon Apr 14 07:21:27 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 HM FLPRO C8-C40	1700.000	1665.152	2.0	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CCTPH015.D FL-PRO27.M Tue May 13 13:50:24 2003 FLO

Data File : W:\DATA\050803\CCTPH003.D
Acq On : 8 May 2003 12:13
Sample : TPH STD 100 PPM EA
Misc : 05-ORGW100-2
IntFile : HC.E

Vial: 20
Operator: KJA
Inst : Flash
Multiplr: 1.00

Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Mon Apr 14 07:21:27 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 HM FLPRO C8-C40	1700.000	1593.444	6.3	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CCTPH015.D FL-PRO27.M Thu May 08 13:48:24 2003 FLO

Data File : W:\DATA\050803\CCTPH004.D
Acq On : 8 May 2003 13:04
Sample : TPH STD 100 PPM EA
Misc : 05-ORGW100-2
IntFile : HC.E

Vial: 20
Operator: KJA
Inst : Flash
Multiplr: 1.00

Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Mon Apr 14 07:21:27 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 HM FLPRO C8-C40	1700.000	2286.444	-34.5#	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CCTPH015.D FL-PRO27.M Thu May 08 13:49:01 2003 FLO

Data File : W:\DATA\050803\CCTPH005.D
Acq On : 8 May 2003 15:18
Sample : TPH STD 100 PPM EA
Misc : 05-ORGW100-2
IntFile : HC.E

Vial: 28
Operator: KJA
Inst : Flash
Multiplr: 1.00

Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Fri May 09 06:48:20 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 HM FLPRO C8-C40	1700.000	1631.688	4.0	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CCTPH015.D FL-PRO27.M Fri May 09 06:48:54 2003 FLO

Data File : W:\DATA\050803\CCTPH006.D
Acq On : 8 May 2003 16:24
Sample : TPH STD 100 PPM EA
Misc : 05-ORGW100-2
IntFile : HC.E

Vial: 36
Operator: KJA
Inst : Flash
Multiplr: 1.00

Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Fri May 09 06:48:20 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 HM FLPRO C8-C40	1700.000	1814.460	-6.7	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CCTPH015.D FL-PRO27.M Fri May 09 06:49:27 2003 FLO

Data File : W:\DATA\050803\CCTPH007.D Vial: 45
Acq On : 8 May 2003 17:38 Operator: KJA
Sample : TPH STD 100 PPM EA Inst : Flash
Misc : 05-ORGW100-2 Multiplr: 1.00
IntFile : HC.E

Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Fri May 09 06:48:20 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 HM FLPRO C8-C40	1700.000	1696.091	0.2	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CCTPH015.D FL-PRO27.M Fri May 09 06:49:59 2003 FLO

Data File : W:\DATA\050803\CCTPH008.D
Acq On : 8 May 2003 18:51
Sample : TPH STD 100 PPM EA
Misc : 05-ORGW100-2
IntFile : HC.E

Vial: 55
Operator: KJA
Inst : Flash
Multiplr: 1.00

Method : W:\METHODS\PROCESS\FL-PRO27.M (Chemstation Integrator)
Title : TPH std's on FLASH
Last Update : Fri May 09 06:48:20 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 HM FLPRO C8-C40	1700.000	1648.956	3.0	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CCTPH015.D FL-PRO27.M Fri May 09 06:50:27 2003 FLO

DATA ANALYSIS PARAMETERS

Method Name: W:\METHODS\PROCESS\FL-PRO27.M

Percent Report Settings

Sort By: Signal

Output Destination
Screen: No
Printer: Yes
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination
Screen: No
Printer: No
File: No

Generate Report During Run Method: No

TPH std's on FLASH
Calibration Last Updated: Thu Mar 20 10:54:24 2003

Reference Window: 0.20 Minutes
Non-Reference Window: 0.20 Minutes
Correlation Window: 0.10 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

1) OTP ( )
Ret. Time 0.96 min., Extract & Integrate from 0.86 to 1.01 min.

Lvl ID Conc (ug/ml) Response

400	400.000	809221
100	100.000	147475
20	20.000	45342
50	50.000	113028
200	200.000	398276
CC	not used for this compound	

Curve Fit: Avg. RF

---

2) C39 ( )

Ret. Time 1.83 min., Extract & Integrate from 1.78 to 1.88 min.

Lvl	ID	Conc (ug/ml)	Response
5		5.000	14494
400		400.000	1228721
100		100.000	274165
20		20.000	35411
50		50.000	127895
200		200.000	577250
CC		not used for this compound	

Curve Fit: Linear

---

3) FLPRO C8-C40 ( )

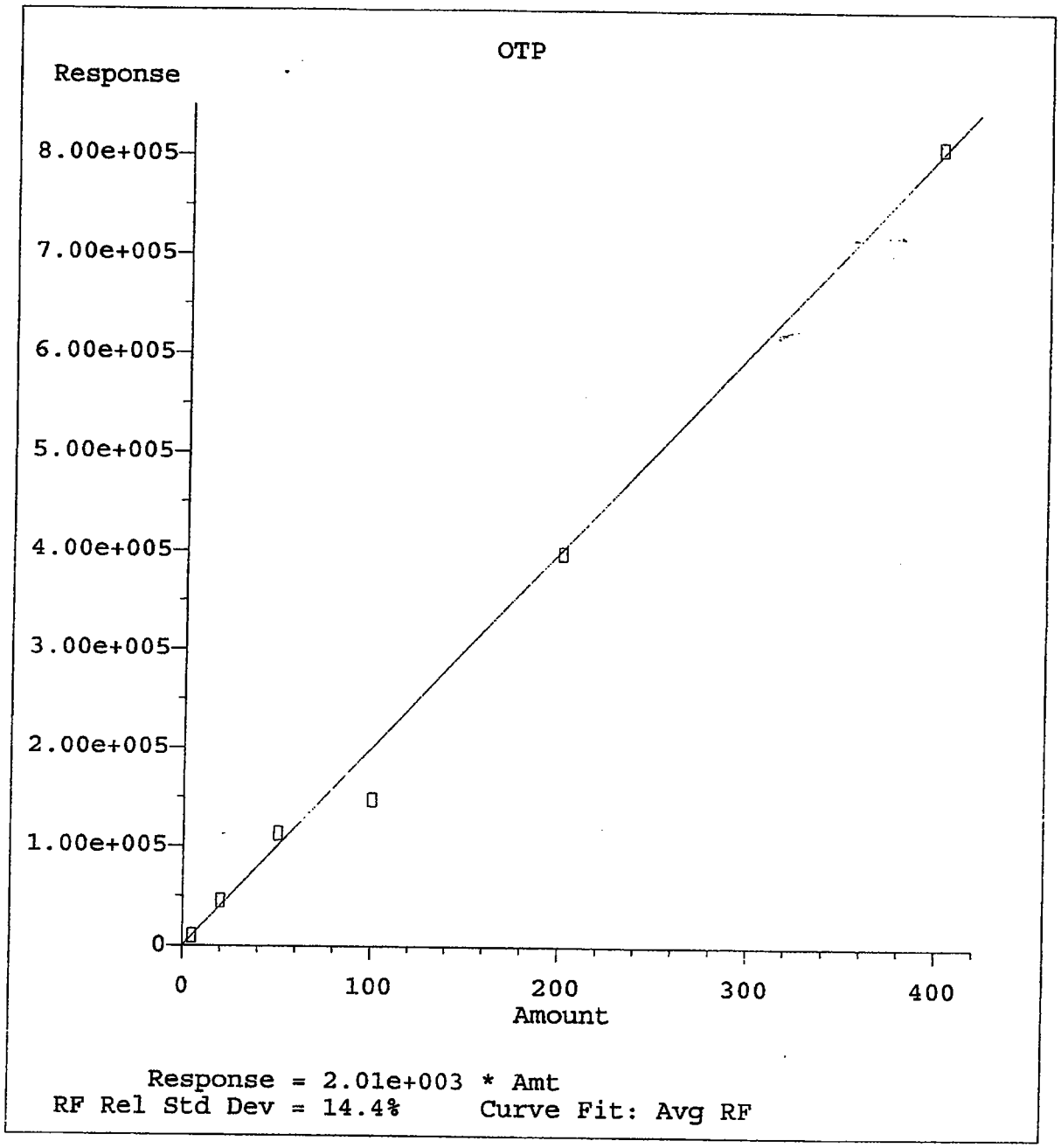
Ret. Time 1.50 min., Extract & Integrate from 0.14 to 2.30 min.

Lvl	ID	Conc (ppb)	Response
5		85.000	488699
400		6800.000	14651854
100		1700.000	3875789
20		340.000	892553
50		850.000	1940100
200		3400.000	7739024
CC		1700.000	-1

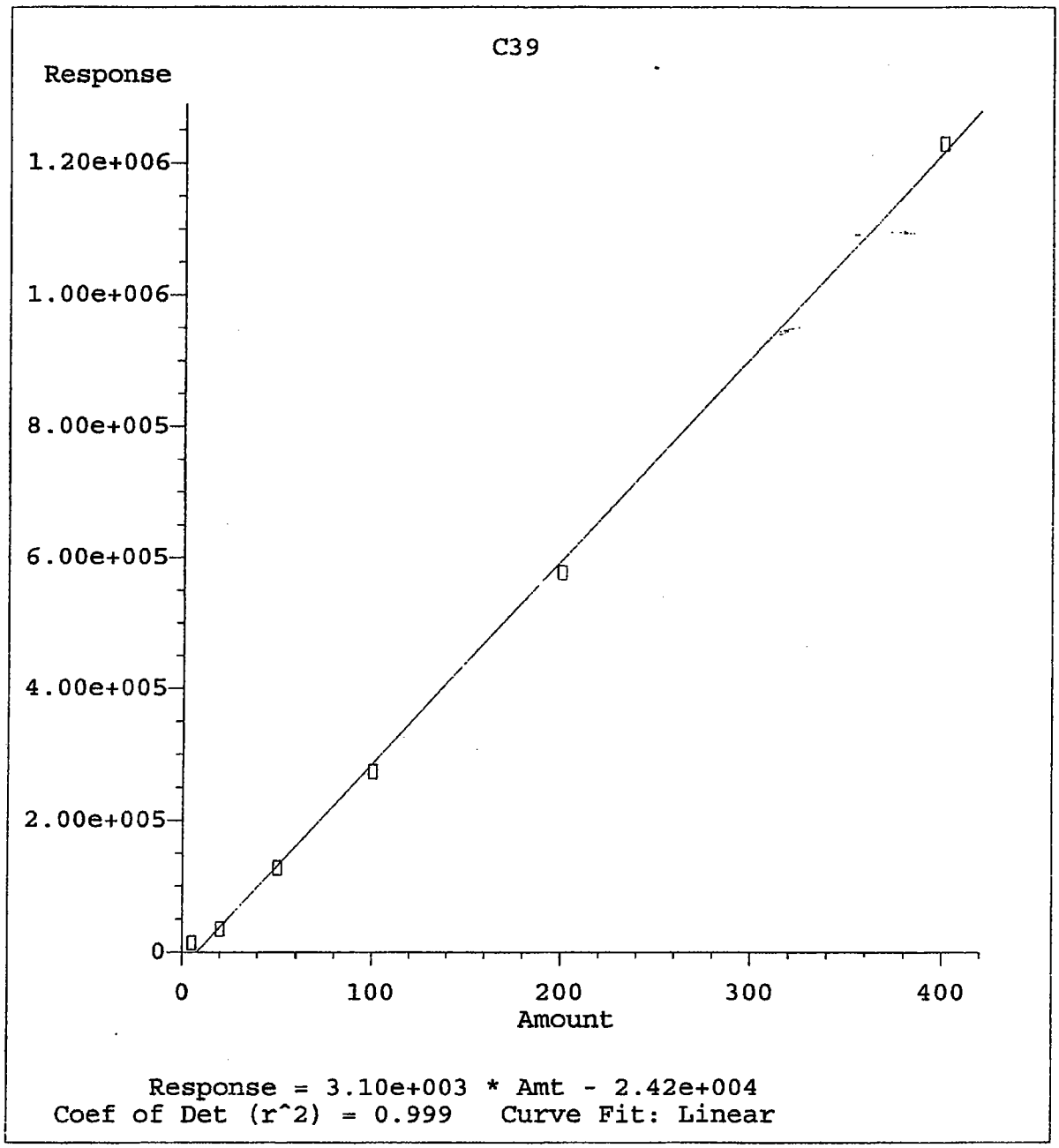
Curve Fit: Linear

END OF DATA ANALYSIS PARAMETERS

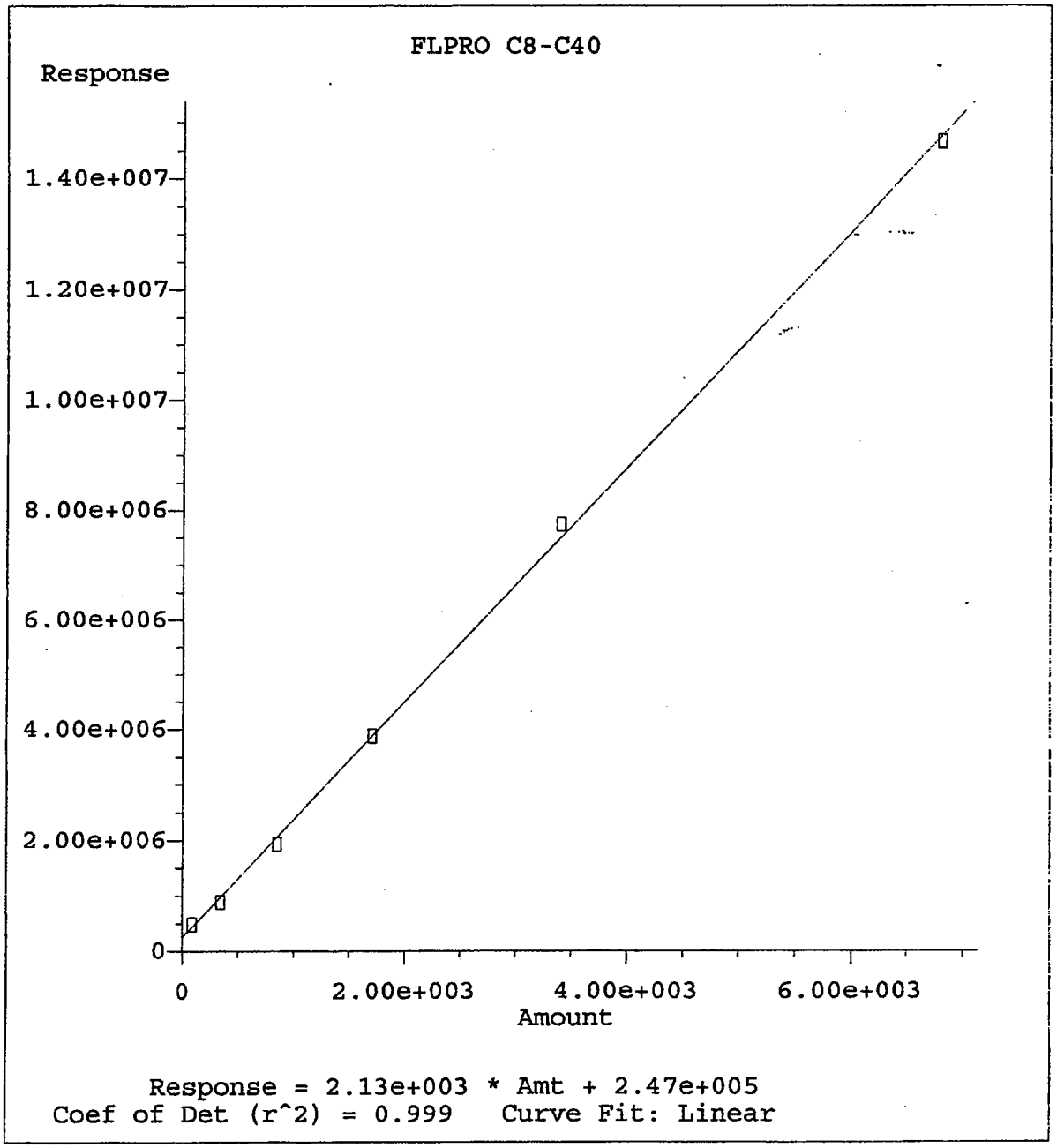
Thu Mar 20 10:55:24 2003



Method Name: W:\METHODS\PROCESS\FL-PRO27.M
Calibration Table Last Updated: Thu Mar 20 10:54:24 2003



Method Name: W:\METHODS\PROCESS\FL-PRO27.M
Calibration Table Last Updated: Thu Mar 20 10:54:24 2003



Method Name: W:\METHODS\PROCESS\FL-PRO27.M
Calibration Table Last Updated: Thu Mar 20 10:54:24 2003

Data File : T:\DATA\051203W\0201003.D
Acq On : 12 May 2003 10:53
Sample : BLK GES 270
Misc :
IntFile : events.e
Quant Time: May 13 6:59 2003 Quant Results File: WG-FL5.RES

Vial: 2
Operator: ie
Inst : Flo
Multiplr: 1.00

Quant Method : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title : TPH Working Group
Last Update : Thu Mar 13 07:04:30 2003
Response via : Initial Calibration
DataAcq Meth : 8015FRNT.M

Volume Inj. : 1 ul
Signal Phase : RTX-5 Sil MS (30m x 0.53mm; df=0.50um)
Signal Info : serial # 231066

Compound	R.T.	Response	Conc	Units
Target Compounds				
1) H C5-C7 (BENZENE)	0.00	0	N.D.	ppm
2) H C6-C8 aliphatic	0.00	0	N.D.	ppm
3) H C7-C8 toluene	0.00	0	N.D.	ppm
4) H C8-C10 ali aro	0.00	0	N.D.	ppm
5) H C10-C12 ali aro	0.00	0	N.D.	ppm
6) H C12-C16 ali aro	0.00	0	N.D.	ppm
7) H C16-C21 ali aro	0.00	0	N.D.	ppm
8) H C21-C35 ali aro	12.00	10299	0.402	ppm
9) H C8-C40 qc aliphatic	14.00	10299	0.407	ppm

(f)=RT Delta > 1/2 Window
(m)=manual int.

Comment: Linked Data Acquisition.
Operator: ie
Data Path: D:\HPCHEM\2\DATA\051203W\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	--------	8015FRNT	PENTANE
2	Sample	1	CCTPH001	8015FRNT	100 PPM TPH CC
3	Sample	2	--------	8015FRNT	BLK GES 270
4	Sample	3	--------	8015FRNT	LCS GES 270
5	Sample	4	--------	8015FRNT	C305130-17 MS
6	Sample	5	--------	8015FRNT	C305130-17 MSD
7	Sample	6	--------	8015FRNT	C305130-17
8	Sample	7	--------	8015FRNT	C305130-18
9	Sample	8	--------	8015FRNT	C305130-19
10	Sample	9	--------	8015FRNT	C305130-21
11	Sample	10	--------	8015FRNT	C305130-23
12	Sample	11	--------	8015FRNT	C305160-1
13	Sample	12	CCTPH002	8015FRNT	100 PPM TPH CC
14	Sample	13	--------	8015FRNT	C305147-1
15	Sample	14	--------	8015FRNT	C305197-1
16	Sample	15	--------	8015FRNT	C305197-2
17	Sample	16	--------	8015FRNT	C305197-3
18	Sample	17	--------	8015FRNT	C305138-1
19	Sample	18	--------	8015FRNT	C305138-2
20	Sample	19	--------	8015FRNT	C305023-1
21	Sample	20	--------	8015FRNT	C305023-2
22	Sample	21	--------	8015FRNT	C305023-4
23	Sample	22	--------	8015FRNT	C305023-5
24	Sample	23	CCTPH003	8015FRNT	100 PPM TPH CC
25	Sample	24	--------	8015FRNT	C305023-6
26	Sample	23	CCTPH004	8015FRNT	100 PPM TPH CC

Data File : T:\DATA\051203W\CCTPH001.D
Acq On : 12 May 2003 10:10
Sample : 100 PPM TPH CC
Misc :
IntFile : events.e

Vial: 1
Operator: ie
Inst : Flo
Multiplr: 1.00

Method : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title : TPH Working Group
Last Update : Thu Mar 13 07:04:30 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
9 H	C8-C40 qc aliphatic	25.294	19.843 E3	21.6	0#	0.00

(#) = Out of Range
CCTPH002.D WG-FL5.M

SPCC's out = 0 CCC's out = 0
Mon May 12 13:40:57 2003

Data File : T:\DATA\051203W\CCTPH002.D
Acq On : 12 May 2003 18:03
Sample : 100 PPM TPH CC
Misc :
IntFile : events.e

Vial: 12
Operator: ie
Inst : Flo
Multiplr: 1.00

Method : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title : TPH Working Group
Last Update : Thu Mar 13 07:04:30 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
9 H	C8-C40 qc aliphatic	25.294	19.669 E3	22.2	0#	0.00

(#) = Out of Range
CCTPH002.D WG-FL5.M

SPCC's out = 0 CCC's out = 0
Tue May 13 06:56:52 2003

Data File : T:\DATA\051203W\CCTPH003.D
Acq On : 13 May 2003 1:57
Sample : 100 PPM TPH CC
Misc :
IntFile : events.e

Vial: 23
Operator: ie
Inst : Flo
Multiplr: 1.00

Method : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title : TPH Working Group
Last Update : Thu Mar 13 07:04:30 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
9 H	C8-C40 qc aliphatic	25.294	19.130 E3	24.4	0#	0.00

(#) = Out of Range
CCTPH002.D WG-FL5.M

SPCC's out = 0 CCC's out = 0
Tue May 13 06:57:35 2003

```
Data File : T:\DATA\051203W\CCTPH004.D                    Vial: 23
Acq On    : 13 May 2003   3:23                         Operator: ie
Sample    : 100 PPM TPH CC                             Inst    : Flo
Misc      :                                            Multiplr: 1.00
IntFile   : events.e

Method       : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title        : TPH Working Group
Last Update  : Thu Mar 13 07:04:30 2003
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%

      Compound                          AvgRF   CCRF        %Dev  Area% Dev(Min)
-----------------------------------------------------------------------------------
9 H   C8-C40 qc aliphatic              25.294  23.124 E3    8.6     0#  0.00


  (#) = Out of Range                 SPCC's out = 0  CCC's out = 0
   CCTPH002.D WG-FL5.M            Tue May 13 06:58:18 2003
```

Data File : T:\DATA\051203W\CCTPH004.D
Acq On : 13 May 2003 3:23
Sample : 100 PPM TPH CC
Misc :
IntFile : events.e

Vial: 23
Operator: ie
Inst : Flo
Multiplr: 1.00

Method : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title : TPH Working Group
Last Update : Thu Mar 13 07:04:30 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
9 H	C8-C40 qc aliphatic	25.294	23.124 E3	8.6	0#	0.00

(#) = Out of Range
CCTPH002.D WG-FL5.M

SPCC's out = 0 CCC's out = 0
Tue May 13 06:58:18 2003

Comment: Linked Data Acquisition.
Operator: ie
Data Path: D:\HPCHEM\2\DATA\051303W\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	--------	8015FRNT	PENTANE
2	Sample	1	CCTPH001	8015FRNT	100 PPM TPH CC
3	Sample	2	--------	8015FRNT	frac blk 5/13/03
4	Sample	3	--------	8015FRNT	C305138-1 P
5	Sample	4	--------	8015FRNT	C305138-1M
6	Sample	5	--------	8015FRNT	C305130-17 P
7	Sample	6	--------	8015FRNT	C305130-19 P
8	Sample	7	--------	8015FRNT	C305130-21 P
9	Sample	8	--------	8015FRNT	C305130-23 P
10	Sample	9	--------	8015FRNT	C305160-1 P
11	Sample	10	--------	8015FRNT	C305197-3 P
12	Sample	11	--------	8015FRNT	C305023-1 P
13	Sample	12	CCTPH002	8015FRNT	100 PPM TPH CC
14	Sample	13	--------	8015FRNT	C305023-4 P
15	Sample	14	--------	8015FRNT	C305023-5 P
16	Sample	15	--------	8015FRNT	C305023-6 P
17	Sample	16	--------	8015FRNT	C305130-17 M
18	Sample	17	--------	8015FRNT	C305130-19 M
19	Sample	18	--------	8015FRNT	C305130-21 M
20	Sample	19	--------	8015FRNT	C305130-23 M
21	Sample	20	--------	8015FRNT	C305160-1 M
22	Sample	21	--------	8015FRNT	C305197-3 M
23	Sample	22	--------	8015FRNT	C305023-1 M
24	Sample	23	CCTPH003	8015FRNT	100 PPM TPH CC
25	Sample	24	--------	8015FRNT	C305023-4 M
26	Sample	25	--------	8015FRNT	C305023-5 M
27	Sample	26	--------	8015FRNT	C305023-6 M
28	Sample	27	CCTPH004	8015FRNT	100 PPM TPH CC

```
Data File : T:\DATA\051303W\CCTPH001.D                    Vial: 1
Acq On    : 13 May 2003  10:14                         Operator: ie
Sample    : 100 PPM TPH CC                             Inst    : Flo
Misc      :                                            Multiplr: 1.00
IntFile   : events.e

Method       : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title        : TPH Working Group
Last Update  : Thu Mar 13 07:04:30 2003
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%

      Compound                        AvgRF   CCRF        %Dev  Area% Dev(Min)
----------------------------------------------------------------------------
9 H   C8-C40 qc aliphatic            25.294  19.277 E3   23.8     0#  0.00


  (#) = Out of Range                 SPCC's out = 0  CCC's out = 0
   CCTPH002.D WG-FL5.M           Tue May 13 11:40:15 2003
```

Data File : T:\DATA\051303W\CCTPH002.D
Acq On : 13 May 2003 18:07
Sample : 100 PPM TPH CC
Misc :
IntFile : events.e

Vial: 12
Operator: ie
Inst : Flo
Multiplr: 1.00

Method : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title : TPH Working Group
Last Update : Thu Mar 13 07:04:30 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
9 H	C8-C40 qc aliphatic	25.294	19.829 E3	21.6	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CCTPH002.D WG-FL5.M Wed May 14 10:29:05 2003

```
Data File : T:\DATA\051303W\2201023.D                    Vial: 22
Acq On    : 14 May 2003   1:17                       Operator: ie
Sample    : 100 PPM TPH CC                           Inst    : Flo
Misc      :                                          Multiplr: 1.00
IntFile   : events.e

Method       : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title        : TPH Working Group
Last Update  : Thu Mar 13 07:04:30 2003
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
9 H	C8-C40 qc aliphatic	25.294	23.683 E3	6.4	0#	0.00

```
  (#) = Out of Range                SPCC's out = 0  CCC's out = 0
   CCTPH002.D WG-FL5.M          Wed May 14 10:46:26 2003
```

```
Data File : T:\DATA\051303W\CCTPH004.D                    Vial: 28
Acq On    : 14 May 2003   5:35                         Operator: ie
Sample    : 100 PPM TPH CC                             Inst    : Flo
Misc      :                                            Multiplr: 1.00
IntFile   : events.e

Method       : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title        : TPH Working Group
Last Update  : Thu Mar 13 07:04:30 2003
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%

      Compound                        AvgRF   CCRF        %Dev  Area% Dev(Min)
----------------------------------------------------------------------------
9 H   C8-C40 qc aliphatic            25.294  23.343 E3    7.7     0#  0.00

  (#) = Out of Range                 SPCC's out = 0  CCC's out = 0
   CCTPH002.D WG-FL5.M           Wed May 14 10:49:48 2003
```

DATA ANALYSIS PARAMETERS

Method Name: T:\METHODS\PROCESS\WG-FL5.M

Percent Report Settings

Sort By: Signal

Output Destination
Screen: Yes
Printer: No
File: No

Integration Events: AutoIntegrate

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination
Screen: No
Printer: No
File: No

Generate Report During Run Method: Yes

TPH Working Group
Calibration Last Updated: Thu Mar 13 07:04:30 2003

Reference Window: 2.00 Minutes
Non-Reference Window: 1.00 Minutes
Correlation Window: 0.10 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

---

1) C5-C7 (BENZENE) ( )
Ret. Time 1.34 min., Extract & Integrate from 1.24 to 1.39 min.

Lvl ID Conc (ppm) Response

2	87.400	1876122
3	175.000	2790921
4	350.000	4902838
5	not used for this compound	
6	874.000	11402759
CC	not used for this compound	

Curve Fit: Linear

---

2) C6-C8 aliphatic ( )
Ret. Time 1.80 min., Extract & Integrate from 1.20 to 2.12 min.

Lvl	ID	Conc (ppm)	Response
1		10.000	153976
2		40.000	483076
3		100.000	1158548
4		200.000	2346426
5		not used for this compound	
6		800.000	33115424
CC		not used for this compound	

Curve Fit: Quadratic

---

3) C7-C8 toluene ( )
Ret. Time 1.87 min., Extract & Integrate from 1.78 to 1.94 min.

Lvl	ID	Conc (ppm)	Response
1		17.300	484644
2		86.500	2268205
3		173.000	3463012
4		346.000	6563427
5		692.000	9477047
6		not used for this compound	
CC		not used for this compound	

Curve Fit: Quadratic

---

4) C8-C10 ali aro ( )
Ret. Time 2.50 min., Extract & Integrate from 1.90 to 3.45 min.

Lvl	ID	Conc (ppm)	Response
1		10.000	309575
2		40.000	982094
3		100.000	2369906
4		200.000	4776842
5		400.000	8724490
6		not used for this compound	
CC		not used for this compound	

Curve Fit: Avg. RF

---

5) C10-C12 ali aro ( )
Ret. Time 4.00 min., Extract & Integrate from 3.26 to 4.60 min.

1	10.000	315078
2	40.000	1004946
3	100.000	2443766
4	200.000	4898177
5	400.000	9040883
6	not used for this compound	
CC	not used for this compound	

Curve Fit: Avg. RF

---

6) C12-C16 ali aro ( )
Ret. Time 5.00 min., Extract & Integrate from 3.80 to 6.50 min.

Lvl	ID	Conc (ppm)	Response
1		15.000	480127
2		60.000	1522688
3		150.000	3700800
4		300.000	7410538
5		600.000	13880738
6		1200.000	24603869
CC		not used for this compound	

Curve Fit: Avg. RF

---

7) C16-C21 ali aro ( )
Ret. Time 7.00 min., Extract & Integrate from 6.34 to 8.40 min.

Lvl	ID	Conc (ppm)	Response
1		15.000	484830
2		60.000	1539920
3		150.000	3753250
4		300.000	7474149
5		600.000	14191746
6		1200.000	25899408
CC		not used for this compound	

Curve Fit: Avg. RF

---

8) C21-C35 ali aro ( )
Ret. Time 12.00 min., Extract & Integrate from 8.15 to 13.50 min.

Lvl	ID	Conc (ppm)	Response
1		35.000	1122816
2		140.000	3617385
3		350.000	8794736
4		700.000	17618651
5		1400.000	33581743
6		2800.000	60419569
CC		not used for this compound	

Curve Fit: Avg. RF

---

9) C8-C40 qc aliphatic ( )
Ret. Time 14.00 min., Extract & Integrate from 1.90 to 18.00 min.

Lvl	ID	Conc (ppm)	Response
1		85.000	2707265
2		340.000	8479496
3		850.000	21079881
4		1700.000	42280907
5		3400.000	79574853
6		6800.000	148912405
CC		1700.000	-1

Curve Fit: Avg. RF

END OF DATA ANALYSIS PARAMETERS

Thu Mar 13 07:08:11 2003

Data File : T:\DATA\031203C\2NDSRCE.D Vial: 12
Acq On : 13 Mar 2003 2:26 Operator: KJA/IE
Sample : 100 PPM C8-C40 2ND SOURCE Inst : Flo
Misc : 05-ORGW84-2 Multiplr: 1.00
IntFile : events.e

Method : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title : TPH Working Group
Last Update : Thu Mar 13 07:04:30 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
9 H	C8-C40 qc aliphatic	25.294	25.748 E3	-1.8	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CCTPH002.D WG-FL5.M Thu Mar 13 07:09:51 2003

Quantification Report (QT Reviewed)

Data File : T:\DATA\031203C\2NDSRCE.D
Acq On : 13 Mar 2003 2:26
Sample : 100 PPM C8-C40 2ND SOURCE
Misc : 05-ORGW84-2
IntFile : events.e
Quant Time: Mar 13 7:09 2003 Quant Results File: WG-FL5.RES

Vial: 12
Operator: KJA/IE
Inst : Flo
Multiplr: 1.00

Quant Method : T:\METHODS\PROCESS\WG-FL5.M (Chemstation Integrator)
Title : TPH Working Group
Last Update : Thu Mar 13 07:04:30 2003
Response via : Initial Calibration
DataAcq Meth : 8015FRNT.M

Volume Inj. : 1 ul
Signal Phase : RTX-5 Sil MS (30m x 0.53mm; df=0.50um)
Signal Info : serial # 231066

Compound	R.T.	Response	Conc	Units
Target Compounds				
1) H C5-C7 (BENZENE)	0.00	0	N.D.	ppm
2) H C6-C8 aliphatic	0.00	0	N.D.	ppm
3) H C7-C8 toluene	0.00	0	N.D.	ppm
4) H C8-C10 ali aro	0.00	0	N.D.	ppm
5) H C10-C12 ali aro	0.00	0	N.D.	ppm
6) H C12-C16 ali aro	0.00	0	N.D.	ppm
7) H C16-C21 ali aro	0.00	0	N.D.	ppm
8) H C21-C35 ali aro	0.00	0	N.D.	ppm
9) H C8-C40 qc aliphatic	14.00	43771604	1730.512	ppm

(f)=RT Delta > 1/2 Window (m)=manual int.

Batch # ges 270
TPH's and 8100's
KA/IE
5/12/03

Multiplier = [(Extract volume) x (Lab dilution)] / [(Weight extracted) x (Dry weight)]
Quantitation Factor = (Total dilution factor) / (Dry weight)
Total Dilution Factor = (Lab dilution) x [(Extract volume) / 5] x [30 / (Weight extracted)]

SA #	Multiplier (ml/kg)	Frac'd Multiplier (ml/kg)	Quant. Factor	Lab Dilution	Extract Volume (mls)	Dry Weight	Weight Extracted (g)
BLK	1.00	10.0	1.0	1	10	1	10.00
LCS	1.00	10.0	1.0	1	10	1	10.00
C305130-17 MS	1.14	11.4	1.1	1	10	0.87	10.06
C305130-17 MSD	1.07	10.7	1.1	1	10	0.87	10.77
C305130-17	1.12	11.2	1.1	1	10	0.87	10.28
C305130-18	1.06	10.6	1.1	1	10	0.89	10.57
C305130-19	1.03	10.3	1.1	1	10	0.91	10.63
C305130-21	1.10	11.0	1.1	1	10	0.9	10.12
C305130-23	1.06	10.6	1.1	1	10	0.91	10.39
C305160-1	1.23	12.3	1.3	1	10	0.78	10.42
C305147-1	1.03	10.3	1.0	1	10	0.96	10.08
C305197-1	1.06	10.6	1.1	1	10	0.94	10.06
C305197-2	1.03	10.3	1.1	1	10	0.93	10.45
C305197-3	1.10	11.0	1.1	1	10	0.9	10.14
C305138-1	1.09	10.9	1.1	1	10	0.91	10.08
C305138-2	1.34	13.4	1.4	1	10	0.73	10.25
C305023-1	1.02	10.2	1.1	1	10	0.92	10.61
C305023-2	1.23	12.3	1.3	1	10	0.8	10.15
C305023-4	1.05	10.5	1.1	1	10	0.94	10.16
C305023-5	1.27	12.7	1.4	1	10	0.74	10.67
C305023-6	1.03	10.3	1.1	1	10	0.9	10.76

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**JULY 30, 2003**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – METALS AND MISCELLANEOUS PARAMETERS**
CSS PANAMA CITY – CTO 287
SAMPLE DELIVERY GROUP (SDG) – 2874

SAMPLES: 14/AQUEOUS/

10GLM03S02	13GLM13I02	13GLM13S02
13GLM16D02	13GLM16I02	13GLM16S02
13GLM17D02	13GLM17I02	13GLM17I02D
13GLM17S02	13GLM18D02	13GLM18I02
13GLM18S02	13GLM7I02	

Overview

The sample set for CSS Panama City, CTO 287, SDG 2874, consists of fourteen (14) aqueous environmental samples. One (1) field duplicate pair (13GLM17I02D / 13GLM17I02) is included in this SDG.

All samples were analyzed for chloride, nitrate, nitrite, sulfate, and total organic carbon (TOC). All samples except 13GLM18S02 were also analyzed for select metals (arsenic, calcium, magnesium, manganese, potassium, and sodium). Samples 10GLM03S02, 13GLM17D02, 13GLM17I02, 13GLM17I02D, 13GLM18D02, 13GLM18I02, and 13GLM18S02 were also analyzed for nitrite/nitrate. Sample 13GLM18S02 was also analyzed for target analyte list (TAL) metals and cyanide. The samples were collected by Tetra Tech NUS on May 19-20, 2003 and analyzed by Katahdin Analytical Services. Metals analyses except mercury and thallium were conducted using SW846 method 6010B. Mercury analyses were conducted using SW846 method 7470A. Thallium analyses were conducted using SW846 method 6020. Chloride analyses were conducted using EPA method 325.2. Cyanide analyses were conducted using SW846 method 9012A. Nitrate, nitrite, and nitrite/nitrate analyses were conducted using EPA method 353.2. Sulfate analyses were conducted using EPA method 375.4. TOC analyses were conducted using EPA method 415.1.

Metals analyses except thallium and mercury were conducted using Inductively Coupled Plasma-Atomic Emissions Spectroscopy (ICP-AES) methodologies. Thallium analyses were conducted using Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) methodology. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA) methodologies.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
• Calibration Recoveries
• Laboratory Blank Analyses
* • ICP Interference

- Matrix Spike/Matrix Spike Duplicate Recoveries
- * Laboratory Control Sample Results
- * Laboratory Duplicate Results
- * Sample Quantitation
- Detection Limits

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

Calibration Analyses

The contract required detection limit (CRDL) standard performed on 6/3/03 at 13:35, 16:35, and 19:24 had percent recoveries (%Rs) >130% for manganese, affecting all samples. Positive results reported for manganese <2X the CRDL were qualified as estimated (J).

Laboratory Blank Analyses

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

Analyte	Maximum Concentration	Action Level
Aluminum	40.72 ug/L	203.6 ug/L
Antimony	1.68 ug/L	8.40 ug/L
Arsenic	2.33 ug/L	11.65 ug/L
Barium	0.54 ug/L	2.70 ug/L
Beryllium	0.31 ug/L	1.55 ug/L
Calcium	50.03 ug/L	250.15 ug/L
Chromium	1.01 ug/L	5.05 ug/L
Cobalt	1.0 ug/L	5.0 ug/L
Copper(1)	2.57 ug/L	12.85 ug/L
Iron	13.51 ug/L	67.55 ug/L
Lead(1)	1.26 ug/L	6.30 ug/L
Magnesium	49.86 ug/L	249.3 ug/L
Mercury(2)	0.035 ug/L	0.175 ug/L
Sodium(1)	68.39 ug/L	341.95 ug/L
Sodium(3)	52.70 ug/L	263.5 ug/L
Thallium(1)	0.433 ug/L	2.165 ug/L
Zinc	4.02 ug/L	20.1 ug/L
TOC(4)	0.5126 mg/L	2.563 mg/L

(1) Maximum concentration present in preparation blank from batch TE30ICW0, which includes samples 13GLM18S02, 13GLM18I02, 13GLM18D02, 13GLM17I02, 13GLM17I02D, 13GLM17D02, and 10GLM03S02.
(2) Maximum concentration present in preparation blank from batch TF09HGW0, which includes sample 13GLM18S02.
(3) Maximum concentration present in preparation blank from batch TE29ICW1, which includes samples 13GLM16S02, 13GLM16I02, 13GLM16D02, 13GLM7I02, 13GLM17S02, 13GLM13I02, and 13GLM13S02.
(4) Maximum concentration present in laboratory method blank.

An action level of 5X the maximum concentration was used to evaluate the sample data for blank contamination. Sample aliquot and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. Positive results less than the action level for arsenic, chromium, copper, mercury, zinc, and TOC were qualified as nondetected (U) as a result of laboratory blank contamination. The remaining analytes were not qualified because the sample values were either greater than the action level or they were nondetects.

Matrix Spike Analyses

The matrix spike %Rs were <75% for nitrate and sulfate. Positive and nondetected results reported for these analytes were qualified as estimated (J) and (UJ), respectively.

Detection Limits

Positive results reported for nitrate and nitrite/nitrate that were above the method detection limit (MDL) but below the laboratory's practical quantitation limit (PQL) were qualified as estimated (J) due to uncertainty near the detection limit.

Notes

The continuing calibration verification (CCV) standard performed on 6/16/03 at 15:50 had %Rs >110% for arsenic, calcium, iron, and magnesium. No qualification action was required because no samples analyzed for these analytes were bracketed by this standard.

The CRDL standard performed on 6/16/03 at 15:27 had a %R >130% for arsenic, affecting samples 13GLM16S02, 13GLM16I02, 13GLM16D02, 13GLM7I02, 13GLM17S02, and 13GLM13I02. No qualification action was required for arsenic because all results were previously qualified for laboratory blank contamination.

The CRDL standard performed on 6/3/03 at 11:11 had a %R >130% for manganese. No qualification action was required because no samples analyzed for manganese were bracketed by this standard.

The CRDL standards performed on 6/3/03 at 16:35 and 19:24 had %Rs >130% for cadmium, affecting sample 13GLM18S02. No qualification action was required for cadmium because the result was a nondetect.

The PQL standard performed on 6/11/03 at 16:03 had a %R <50% for calcium. No qualification action was required on the basis of this standard.

A dilution was performed for thallium for sample 13GLM18S02 due to matrix interference.

Matrix spike, laboratory duplicate, and ICP serial dilution analyses were not performed for metals for this SDG.

Executive Summary

Laboratory Performance: Manganese was qualified due to calibration noncompliance. Several analytes were present in the laboratory method/preparation blanks.

Other Factors Affecting Data Quality: Nitrate and sulfate were qualified due to matrix spike noncompliance. Nitrate and nitrite/nitrate were qualified due to uncertainty near the detection limit.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", July 2002 and the NFESC document entitled "Navy IRCDQM" (September 1999).

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

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

Tetra Tech NUS
Ethan G. Lee
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % 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 (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; i.e.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 less than sample activity

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: M

nsample	10GLM03S02	nsample	13GLM13I02	nsample	13GLM13S02
samp_date	5/20/2003	samp_date	5/19/2003	samp_date	5/19/2003
lab_id	WT1233-013	lab_id	WT1187-011	lab_id	WT1187-013
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	10.2	U	A
CALCIUM	29400		
MAGNESIUM	9960		
MANGANESE	358		
POTASSIUM	4660		
SODIUM	4500		

Parameter	Result	Val Qual	Qual Code
ARSENIC	17.7		
CALCIUM	2060		
MAGNESIUM	1100		
MANGANESE	25.7		
POTASSIUM	10600		
SODIUM	7340		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	11000		
MAGNESIUM	2480		
MANGANESE	12.2		
POTASSIUM	1680		
SODIUM	11200		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: M

nsample	13GLM16D02	nsample	13GLM16I02	nsample	13GLM16S02
samp_date	5/19/2003	samp_date	5/19/2003	samp_date	5/19/2003
lab_id	WT1187-005	lab_id	WT1187-003	lab_id	WT1187-001
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	35500		
MAGNESIUM	1380		
MANGANESE	11.9		
POTASSIUM	551		
SODIUM	6380		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	16900		
MAGNESIUM	1680		
MANGANESE	8.0	J	C
POTASSIUM	1720		
SODIUM	5710		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	8770		
MAGNESIUM	3110		
MANGANESE	7.5	J	C
POTASSIUM	3090		
SODIUM	8780		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: M

nsample	13GLM17D02	nsample	13GLM17I02	nsample	13GLM17I02D
samp_date	5/20/2003	samp_date	5/20/2003	samp_date	5/20/2003
lab_id	WT1233-011	lab_id	WT1233-007	lab_id	WT1233-009
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	13GLM17I02

Parameter	Result	Val Qual	Qual Code
ARSENIC	3.4	U	A
CALCIUM	872		
MAGNESIUM	1300		
MANGANESE	9.4	J	C
POTASSIUM	2610		
SODIUM	4320		

Parameter	Result	Val Qual	Qual Code
ARSENIC	6.9	U	A
CALCIUM	1070		
MAGNESIUM	1360		
MANGANESE	16.0		
POTASSIUM	2710		
SODIUM	4770		

Parameter	Result	Val Qual	Qual Code
ARSENIC	7.3	U	A
CALCIUM	1010		
MAGNESIUM	1310		
MANGANESE	15.5		
POTASSIUM	2490		
SODIUM	4510		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: M

nsample	13GLM17S02	nsample	13GLM18D02	nsample	13GLM18I02
samp_date	5/19/2003	samp_date	5/20/2003	samp_date	5/20/2003
lab_id	WT1187-009	lab_id	WT1233-005	lab_id	WT1233-003
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	7.5	U	A
CALCIUM	14700		
MAGNESIUM	1130		
MANGANESE	13.6		
POTASSIUM	1750		
SODIUM	3980		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	673		
MAGNESIUM	674		
MANGANESE	6.0	J	C
POTASSIUM	1020		
SODIUM	2890		

Parameter	Result	Val Qual	Qual Code
ARSENIC	8.1	U	A
CALCIUM	452		
MAGNESIUM	585		
MANGANESE	6.5	J	C
POTASSIUM	1060		
SODIUM	2300		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: M

nsample	13GLM18S02	nsample	13GLM7I02
samp_date	5/20/2003	samp_date	5/19/2003
lab_id	WT1233-001	lab_id	WT1187-007
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	757		
ANTIMONY	1.3	U	
ARSENIC	1.8	U	
BARIUM	4.3		
BERYLLIUM	0.31	U	
CADMIUM	3.7	U	
CALCIUM	8100		
CHROMIUM	2.2	U	A
COBALT	0.44	U	
COPPER	11.1	U	A
IRON	1320		
LEAD	0.91	U	
MAGNESIUM	1610		
MANGANESE	3.3	J	C
MERCURY	0.09	U	A
NICKEL	11.7	U	
POTASSIUM	1320		
SELENIUM	2.1	U	
SILVER	4.8	U	
SODIUM	6670		
THALLIUM	0.60	U	
VANADIUM	4.7	U	
ZINC	2.9	U	A

Parameter	Result	Val Qual	Qual Code
ARSENIC	2.2	U	A
CALCIUM	3040		
MAGNESIUM	858		
MANGANESE	4.7	J	C
POTASSIUM	1140		
SODIUM	3280		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: MISC

nsample	10GLM03S02
samp_date	5/20/2003
lab_id	WT1233-13
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	4		
NITRATE	MG/L	4.6	J	D
NITRITE	MG/L	0.1		
NITRITE/NITRATE	MG/L	4.6		
SULFATE	MG/L	508	J	D
TOTAL ORGANIC CARBON	MG/L	5.8		

nsample	13GLM13I02
samp_date	5/19/2003
lab_id	WT1187-11
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	14		
NITRATE	MG/L	0.3	J	D
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	20	UJ	D
TOTAL ORGANIC CARBON	MG/L	17		

nsample	13GLM13S02
samp_date	5/19/2003
lab_id	WT1187-13
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	19		
NITRATE	MG/L	0.09	J	D
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	12	J	D
TOTAL ORGANIC CARBON	MG/L	10		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: MISC

nsample	13GLM16D02
samp_date	5/19/2003
lab_id	WT1187-5
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.15	J	D
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	5	J	D
TOTAL ORGANIC CARBON	MG/L	3		

nsample	13GLM16I02
samp_date	5/19/2003
lab_id	WT1187-3
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.05	UJ	D
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	12	J	D
TOTAL ORGANIC CARBON	MG/L	2	U	A

nsample	13GLM16S02
samp_date	5/19/2003
lab_id	WT1187-1
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	13		
NITRATE	MG/L	0.1	J	D
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	10	UJ	D
TOTAL ORGANIC CARBON	MG/L	18		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: MISC

nsample	13GLM17D02	nsample	13GLM17I02	nsample	13GLM17I02D
samp_date	5/20/2003	samp_date	5/20/2003	samp_date	5/20/2003
lab_id	WT1233-11	lab_id	WT1233-7	lab_id	WT1233-9
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	13GLM17I02

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	10		
NITRATE	MG/L	0.0189	J	DP
NITRITE	MG/L	0.05	U	
NITRITE/NITRATE	MG/L	0.0158	J	P
SULFATE	MG/L	12	J	D
TOTAL ORGANIC CARBON	MG/L	4.2		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	9.5		
NITRATE	MG/L	0.0098	J	DP
NITRITE	MG/L	0.05	U	
NITRITE/NITRATE	MG/L	0.2		
SULFATE	MG/L	10	J	D
TOTAL ORGANIC CARBON	MG/L	4.6		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	9.4		
NITRATE	MG/L	0.0081	J	DP
NITRITE	MG/L	0.05	U	
NITRITE/NITRATE	MG/L	0.15		
SULFATE	MG/L	9.6	J	D
TOTAL ORGANIC CARBON	MG/L	5		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: MISC

nsample	13GLM17S02
samp_date	5/19/2003
lab_id	WT1187-9
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	7.4		
NITRATE	MG/L	0.17	J	D
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	14	J	D
TOTAL ORGANIC CARBON	MG/L	8.9		

nsample	13GLM18D02
samp_date	5/20/2003
lab_id	WT1233-5
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	5		
NITRATE	MG/L	0.05	J	D
NITRITE	MG/L	0.05	U	
NITRITE/NITRATE	MG/L	0.0059	J	P
SULFATE	MG/L	7	J	D
TOTAL ORGANIC CARBON	MG/L	3.4		

nsample	13GLM18I02
samp_date	5/20/2003
lab_id	WT1233-3
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	4		
NITRATE	MG/L	0.0244	J	DP
NITRITE	MG/L	0.05	U	
NITRITE/NITRATE	MG/L	0.0086	J	P
SULFATE	MG/L	6.3	J	D
TOTAL ORGANIC CARBON	MG/L	3.5		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: MISC

nsample	13GLM18S02
samp_date	5/20/2003
lab_id	WT1233-1
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	12		
CYANIDE	UG/L	10	U	
NITRATE	MG/L	0.66	J	D
NITRITE	MG/L	0.05	U	
NITRITE/NITRATE	MG/L	0.6		
SULFATE	MG/L	7.5	J	D
TOTAL ORGANIC CARBON	MG/L	3.5		

nsample	13GLM7I02
samp_date	5/19/2003
lab_id	WT1187-7
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	7.7		
NITRATE	MG/L	0.0374	J	DP
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	10	J	D
TOTAL ORGANIC CARBON	MG/L	2	U	A

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 10GLM03S02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1233-013

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	10.2			P	1	8.0	1.80
7440-70-2	CALCIUM	29400			P	1	50	18.70
7439-95-4	MAGNESIUM	9960			P	1	50	28.20
7439-96-5	MANGANESE	358			P	1	5.0	0.92
7440-09-7	POTASSIUM	4660			P	1	1000	513.00
7440-23-5	SODIUM	4500			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM13I02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1187-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	17.7			P	1	8.0	1.80
7440-70-2	CALCIUM	2060			P	1	50	18.70
7439-95-4	MAGNESIUM	1100			P	1	50	28.20
7439-96-5	MANGANESE	25.7			P	1	5.0	0.92
7440-09-7	POTASSIUM	10600			P	1	1000	513.00
7440-23-5	SODIUM	7340			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM13S02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1187-013

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	11000			P	1	50	18.70
7439-95-4	MAGNESIUM	2480			P	1	50	28.20
7439-96-5	MANGANESE	12.2			P	1	5.0	0.92
7440-09-7	POTASSIUM	1680			P	1	1000	513.00
7440-23-5	SODIUM	11200			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM16D02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1187-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	35500			P	1	50	18.70
7439-95-4	MAGNESIUM	1380			P	1	50	28.20
7439-96-5	MANGANESE	11.9			P	1	5.0	0.92
7440-09-7	POTASSIUM	551	B		P	1	1000	513.00
7440-23-5	SODIUM	6380			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM16I02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1187-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	16900			P	1	50	18.70
7439-95-4	MAGNESIUM	1680			P	1	50	28.20
7439-96-5	MANGANESE	8.0			P	1	5.0	0.92
7440-09-7	POTASSIUM	1720			P	1	1000	513.00
7440-23-5	SODIUM	5710			P	1	1000	18.80

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:** 13GLM16S02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1187-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	8770			P	1	50	18.70
7439-95-4	MAGNESIUM	3110			P	1	50	28.20
7439-96-5	MANGANESE	7.5			P	1	5.0	0.92
7440-09-7	POTASSIUM	3090			P	1	1000	513.00
7440-23-5	SODIUM	8780			P	1	1000	18.80

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:** 13GLM17D02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1233-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	3.4	B		P	1	8.0	1.80
7440-70-2	CALCIUM	872			P	1	50	18.70
7439-95-4	MAGNESIUM	1300			P	1	50	28.20
7439-96-5	MANGANESE	9.4			P	1	5.0	0.92
7440-09-7	POTASSIUM	2610			P	1	1000	513.00
7440-23-5	SODIUM	4320			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM17I02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1233-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	6.9	B		P	1	8.0	1.80
7440-70-2	CALCIUM	1070			P	1	50	18.70
7439-95-4	MAGNESIUM	1360			P	1	50	28.20
7439-96-5	MANGANESE	16.0			P	1	5.0	0.92
7440-09-7	POTASSIUM	2710			P	1	1000	513.00
7440-23-5	SODIUM	4770			P	1	1000	18.80

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:** 13GLM17I02D

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1233-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	7.3	B		P	1	8.0	1.80
7440-70-2	CALCIUM	1010			P	1	50	18.70
7439-95-4	MAGNESIUM	1310			P	1	50	28.20
7439-96-5	MANGANESE	15.5			P	1	5.0	0.92
7440-09-7	POTASSIUM	2490			P	1	1000	513.00
7440-23-5	SODIUM	4510			P	1	1000	18.80

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:** 13GLM17S02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1187-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	7.5	B		P	1	8.0	1.80
7440-70-2	CALCIUM	14700			P	1	50	18.70
7439-95-4	MAGNESIUM	1130			P	1	50	28.20
7439-96-5	MANGANESE	13.6			P	1	5.0	0.92
7440-09-7	POTASSIUM	1750			P	1	1000	513.00
7440-23-5	SODIUM	3980			P	1	1000	18.80

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:** 13GLM18D02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1233-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	673			P	1	50	18.70
7439-95-4	MAGNESIUM	674			P	1	50	28.20
7439-96-5	MANGANESE	6.0			P	1	5.0	0.92
7440-09-7	POTASSIUM	1020			P	1	1000	513.00
7440-23-5	SODIUM	2890			P	1	1000	18.80

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:** 13GLM18I02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1233-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	8.1			P	1	8.0	1.80
7440-70-2	CALCIUM	452			P	1	50	18.70
7439-95-4	MAGNESIUM	585			P	1	50	28.20
7439-96-5	MANGANESE	6.5			P	1	5.0	0.92
7440-09-7	POTASSIUM	1060			P	1	1000	513.00
7440-23-5	SODIUM	2300			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM18S02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1233-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM	757			P	1	300	20.20
7440-36-0	ANTIMONY	1.33	U		P	1	8.0	1.33
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-39-3	BARIUM	4.3	B		P	1	5.0	0.48
7440-41-7	BERYLLIUM	0.31	U		P	1	5.0	0.31
7440-43-9	CADMIUM	3.66	U		P	1	10	3.66
7440-70-2	CALCIUM	8100			P	1	50	18.70
7440-47-3	CHROMIUM	2.2	B		P	1	15	0.57
7440-48-4	COBALT	0.44	U		P	1	30	0.44
7440-50-8	COPPER	11.1	B		P	1	25	2.38
7439-89-6	IRON	1320			P	1	100	6.06
7439-92-1	LEAD	0.91	U		P	1	5.0	0.91
7439-95-4	MAGNESIUM	1610			P	1	50	28.20
7439-96-5	MANGANESE	3.3	B		P	1	5.0	0.92
7439-97-6	MERCURY	0.09	B		CV	1	0.20	0.03
7440-02-0	NICKEL	11.70	U		P	1	40	11.70
7440-09-7	POTASSIUM	1320			P	1	1000	513.00
7782-49-2	SELENIUM	2.10	U		P	1	10	2.10
7440-22-4	SILVER	4.78	U		P	1	15	4.78
7440-23-5	SODIUM	6670			P	1	1000	18.80
7440-28-0	THALLIUM	0.60	U		MS	5	15	0.60
7440-62-2	VANADIUM	4.70	U		P	1	25	4.70
7440-66-6	ZINC	2.9	B		P	1	25	1.34

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM7I02

Matrix: WATER **SDG Name:** CTO287-4

Percent Solids: 0.00 **Lab Sample ID:** WT1187-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	2.2	B		P	1	8.0	1.80
7440-70-2	CALCIUM	3040			P	1	50	18.70
7439-95-4	MAGNESIUM	858			P	1	50	28.20
7439-96-5	MANGANESE	4.7	B		P	1	5.0	0.92
7440-09-7	POTASSIUM	1140			P	1	1000	513.00
7440-23-5	SODIUM	3280			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1233-13
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
10GLM03S02	AQ	05/20/2003	05/22/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	06/13/03 10:37	KGT	N/A	N/A	N/A	
Nitrate As N	4.6 mg/L	0.25	EPA 353.2	05/22/03 10:55	PAG	N/A	N/A	N/A	
Nitrate+Nitrite As N	4.6 mg/L	0.25	EPA 353.2	06/12/03 10:31	PAG	N/A	N/A	N/A	
Nitrite As N	0.1 mg/L	0.050	EPA 353.2	05/22/03 10:55	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	508 mg/L	50	EPA 375.4	06/16/03 14:16	KGT	N/A	N/A	N/A	
Total Organic Carbon	5.8 mg/L	1.0	EPA 415.1	06/14/03 00:38	CYD	N/A	N/A	N/A	

Notes

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1187-11
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061 -WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM13I02	AQ	05/19/2003	05/20/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	14 mg/L	2.0	EPA 325.2	06/13/03 10:25	KGT	N/A	N/A	N/A	
Nitrate As N	0.30 mg/L	0.050	EPA 353.2	05/21/03 11:13	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/21/03 11:12	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	U20 mg/L	20	EPA 375.4	06/16/03 16:15	KGT	N/A	N/A	N/A	1
Total Organic Carbon	17 mg/L	1.0	EPA 415.1	06/13/03 21:29	CYD	N/A	N/A	N/A	

Notes

(1) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects,sample volume, or quantity used for analysis.

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Report of Analytical Results

Client: Amy Thomson
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Lab Sample Id: WT1187-13
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061 -WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM13S02	AQ	05/19/2003	05/20/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	19 mg/L	2.0	EPA 325.2	06/13/03 10:25	KGT	N/A	N/A	N/A	
Nitrate As N	0.09 mg/L	0.050	EPA 353.2	05/21/03 11:14	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/21/03 11:13	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	12 mg/L	1.0	EPA 375.4	06/13/03 10:27	KGT	N/A	N/A	N/A	
Total Organic Carbon	10 mg/L	1.0	EPA 415.1	06/13/03 21:40	CYD	N/A	N/A	N/A	

Notes

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
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Pittsburgh, PA 15220

Lab Sample Id: WT1187-5
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061 -WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM16D02	AQ	05/19/2003	05/20/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	06/13/03 10:25	KGT	N/A	N/A	N/A	
Nitrate As N	0.15 mg/L	0.050	EPA 353.2	05/21/03 11:10	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/21/03 11:09	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	5.0 mg/L	1.0	EPA 375.4	06/13/03 10:27	KGT	N/A	N/A	N/A	
Total Organic Carbon	3 mg/L	1.0	EPA 415.1	06/13/03 20:56	CYD	N/A	N/A	N/A	

Notes

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
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Pittsburgh, PA 15220

Lab Sample Id: WT1187-3
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061 -WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM16I02	AQ	05/19/2003	05/20/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	06/13/03 10:25	KGT	N/A	N/A	N/A	
Nitrate As N	U0.050 mg/L	0.050	EPA 353.2	05/21/03 11:07	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/21/03 11:06	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	12 mg/L	1.0	EPA 375.4	06/13/03 10:31	KGT	N/A	N/A	N/A	
Total Organic Carbon	2 mg/L	1.0	EPA 415.1	06/13/03 20:45	CYD	N/A	N/A	N/A	

Notes

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Report of Analytical Results

Client: Amy Thomson
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Pittsburgh, PA 15220

Lab Sample Id: WT1187-1
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061 -WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM16S02	AQ	05/19/2003	05/20/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	13 mg/L	2.0	EPA 325.2	06/13/03 10:25	KGT	N/A	N/A	N/A	
Nitrate As N	0.1 mg/L	0.050	EPA 353.2	05/21/03 11:06	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/21/03 11:05	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	U10 mg/L	10	EPA 375.4	06/13/03 10:31	KGT	N/A	N/A	N/A	1
Total Organic Carbon	18 mg/L	1.0	EPA 415.1	06/13/03 20:34	CYD	N/A	N/A	N/A	

Notes

(1) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects,sample volume, or quantity used for analysis.

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Report of Analytical Results

Client: Amy Thomson
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Lab Sample Id: WT1233-11
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM17D02	AQ	05/20/2003	05/22/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	10 mg/L	2.0	EPA 325.2	06/13/03 10:37	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0189 mg/L	0.050	EPA 353.2	05/22/03 10:54	PAG	N/A	N/A	N/A	1
Nitrate+Nitrite As N	J0.0158 mg/L	0.050	EPA 353.2	06/12/03 10:15	PAG	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/22/03 10:54	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	12 mg/L	1.0	EPA 375.4	06/13/03 10:31	KGT	N/A	N/A	N/A	
Total Organic Carbon	4.2 mg/L	1.0	EPA 415.1	06/14/03 00:26	CYD	N/A	N/A	N/A	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
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Pittsburgh, PA 15220

Lab Sample Id: WT1233-7
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM17I02	AQ	05/20/2003	05/22/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	9.5 mg/L	2.0	EPA 325.2	06/13/03 10:37	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0098 mg/L	0.050	EPA 353.2	05/22/03 10:47	PAG	N/A	N/A	N/A	1
Nitrate+Nitrite As N	0.20 mg/L	0.050	EPA 353.2	06/12/03 10:13	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/22/03 10:47	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	10 mg/L	1.0	EPA 375.4	06/13/03 10:31	KGT	N/A	N/A	N/A	
Total Organic Carbon	4.6 mg/L	1.0	EPA 415.1	06/14/03 00:02	CYD	N/A	N/A	N/A	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
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Pittsburgh, PA 15220

Lab Sample Id: WT1233-9
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM17I02D	AQ	05/20/2003	05/22/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	9.4 mg/L	2.0	EPA 325.2	06/13/03 10:37	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0081 mg/L	0.050	EPA 353.2	05/22/03 10:53	PAG	N/A	N/A	N/A	1
Nitrate+Nitrite As N	0.15 mg/L	0.050	EPA 353.2	06/12/03 10:14	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/22/03 10:53	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	9.6 mg/L	1.0	EPA 375.4	06/13/03 10:31	KGT	N/A	N/A	N/A	
Total Organic Carbon	5.0 mg/L	1.0	EPA 415.1	06/14/03 00:14	CYD	N/A	N/A	N/A	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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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
Foster Plaza 7
Pittsburgh, PA 15220

Lab Sample Id: WT1187-9
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061 -WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM17S02	AQ	05/19/2003	05/20/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	7.4 mg/L	2.0	EPA 325.2	06/13/03 10:25	KGT	N/A	N/A	N/A	
Nitrate As N	0.17 mg/L	0.050	EPA 353.2	05/21/03 11:12	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/21/03 11:11	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	14 mg/L	1.0	EPA 375.4	06/13/03 10:27	KGT	N/A	N/A	N/A	
Total Organic Carbon	8.9 mg/L	1.0	EPA 415.1	06/13/03 21:18	CYD	N/A	N/A	N/A	

Notes

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Report of Analytical Results

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

Lab Sample Id: WT1233-5
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM18D02	AQ	05/20/2003	05/22/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	5 mg/L	2.0	EPA 325.2	06/13/03 10:37	KGT	N/A	N/A	N/A	
Nitrate As N	0.05 mg/L	0.050	EPA 353.2	05/22/03 10:50	PAG	N/A	N/A	N/A	
Nitrate+Nitrite As N	J0.0059 mg/L	0.050	EPA 353.2	06/12/03 10:12	PAG	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/22/03 10:50	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	7.0 mg/L	1.0	EPA 375.4	06/13/03 10:31	KGT	N/A	N/A	N/A	
Total Organic Carbon	3.4 mg/L	1.0	EPA 415.1	06/13/03 22:13	CYD	N/A	N/A	N/A	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Report of Analytical Results

Client: Amy Thomson
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Lab Sample Id: WT1233-3
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM18I02	AQ	05/20/2003	05/22/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	06/13/03 10:37	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0244 mg/L	0.050	EPA 353.2	05/22/03 10:52	PAG	N/A	N/A	N/A	1
Nitrate+Nitrite As N	J0.0086 mg/L	0.050	EPA 353.2	06/12/03 10:11	PAG	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/22/03 10:52	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	6.3 mg/L	1.0	EPA 375.4	06/13/03 10:31	KGT	N/A	N/A	N/A	
Total Organic Carbon	3.5 mg/L	1.0	EPA 415.1	06/13/03 22:02	CYD	N/A	N/A	N/A	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1233-1
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM18S02	AQ	05/20/2003	05/22/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	12 mg/L	2.0	EPA 325.2	06/13/03 10:37	KGT	N/A	N/A	N/A	
Cyanide	U10 ug/L	10	SW846 M9012A	06/02/03 17:57	KGT	SW846 M9012	05/29/03	CYD	
Nitrate As N	0.66 mg/L	0.050	EPA 353.2	05/22/03 10:51	PAG	N/A	N/A	N/A	
Nitrate+Nitrite As N	0.60 mg/L	0.050	EPA 353.2	06/12/03 10:10	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/22/03 10:51	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	7.5 mg/L	1.0	EPA 375.4	06/13/03 10:31	KGT	N/A	N/A	N/A	
Total Organic Carbon	3.5 mg/L	1.0	EPA 415.1	06/13/03 21:51	CYD	N/A	N/A	N/A	

Notes

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1187-7
Report Date: 6/21/03 9:12:11 AM
Client PO: MSA-0402-N4113-05 N9061 -WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-4

Sample Description	Matrix	Date Sampled	Date Received
13GLM7I02	AQ	05/19/2003	05/20/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	7.7 mg/L	2.0	EPA 325.2	06/13/03 10:25	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0374 mg/L	0.050	EPA 353.2	05/21/03 11:11	PAG	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/21/03 11:10	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	10 mg/L	1.0	EPA 375.4	06/13/03 10:27	KGT	N/A	N/A	N/A	
Total Organic Carbon	2 mg/L	1.0	EPA 415.1	06/13/03 21:07	CYD	N/A	N/A	N/A	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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APPENDIX C

SUPPORT DOCUMENTATION

2874

HOLDING TIME
07/16/03

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM13I02	WT1187-11	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM13S02	WT1187-13	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16D02	WT1187-5	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16I02	WT1187-3	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16I02DUP	WT1187-3 DUP	DUPLICATE	2874	CL	/ /	06/13/03	06/13/03	0	0	0
MG/L	13GLM16I02MS	WT1187-3 MS	MS	2874	CL	/ /	06/13/03	06/13/03	0	0	0
MG/L	13GLM16S02	WT1187-1	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM17S02	WT1187-9	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18I02	WT1233-3	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM7I02	WT1187-7	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	LABQC	MBLANK	P BLANK	2874	CL	06/13/03	06/13/03	06/13/03	0	0	0
UG/L	13GLM18S02	WT1233-1	NORMAL	2874	CN	05/20/03	05/29/03	06/02/03	9	4	13
UG/L	13GLM18S02MS	WT1233-1 MS	MS	2874	CN	/ /	05/29/03	06/02/03	0	4	0
UG/L	LABQC	MBLANK	LCS	2874	CN	05/21/03	05/29/03	06/02/03	8	4	12
UG/ML	10GLM03S02	0305459-04A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM13I02	0305459-13A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM13S02	0305459-14A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16D02	0305459-08A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/ML	13GLM16I02	0305459-10A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16S02	0305459-09A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM17D02	0305459-02A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02	0305459-06A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02D	0305459-03A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17S02	0305459-11A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM18D02	0305459-01A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18I02	0305459-07AA	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18S02	0305459-05A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM7I02	0305459-12A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	LAB BLANK	0305459-15A	M_BLANK	2874	ETHA	/ /	05/30/03	05/30/03	0	0	0
%R	LCS	0305459-16A	LCS	2874	ETHA	/ /	05/30/03	05/30/03	0	0	0
UG/ML	10GLM03S02	0305459-04A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM13I02	0305459-13A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM13S02	0305459-14A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16D02	0305459-08A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16I02	0305459-10A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16S02	0305459-09A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM17D02	0305459-02A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02	0305459-06A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02D	0305459-03A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17S02	0305459-11A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM18D02	0305459-01A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18I02	0305459-07AA	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18S02	0305459-05A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM7I02	0305459-12A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	LAB BLANK	0305459-15A	M_BLANK	2874	ETHE	/ /	05/30/03	05/30/03	0	0	0

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%R	LCS	0305459-16A	LCS	2874	ETHE	/ /	05/30/03	05/30/03	0	0	0
UG/L	13GLM18S02	WT1233-001	NORMAL	2874	HG	05/20/03	06/09/03	06/10/03	20	1	21
UG/L	LABQC	PBWTF09HGW0	P BLANK	2874	HG	06/12/03	06/09/03	06/10/03	-3	1	-2
UG/L	10GLM03S02	WT1233-013	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM13I02	WT1187-011	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM13S02	WT1187-013	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM16D02	WT1187-005	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM16I02	WT1187-003	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM16S02	WT1187-001	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM17D02	WT1233-011	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM17I02	WT1233-007	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM17I02D	WT1233-009	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM17S02	WT1187-009	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM18D02	WT1233-005	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM18I02	WT1233-003	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM18S02	WT1233-001	NORMAL	2874	M	05/20/03	05/30/03	06/06/03	10	7	17
UG/L	13GLM7I02	WT1187-007	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	LABQC	PBWTE30ICW0	P BLANK	2874	M	05/29/03	05/30/03	06/03/03	1	4	5
UG/ML	10GLM03S02	0305459-04A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM13I02	0305459-13A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM13S02	0305459-14A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16D02	0305459-08A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16I02	0305459-10A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16S02	0305459-09A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM17D02	0305459-02A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02	0305459-06A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02D	0305459-03A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/ML	13GLM17S02	0305459-11A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM18D02	0305459-01A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18I02	0305459-07AA	DUPLICATE	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18S02	0305459-05A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM7I02	0305459-12A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	LAB BLANK	0305459-15A	M_BLANK	2874	METH	/ /	05/30/03	05/30/03	0	0	0
%R	LCS	0305459-16A	LCS	2874	METH	/ /	05/30/03	05/30/03	0	0	0
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM13I02	WT1187-11	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM13S02	WT1187-13	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16D02	WT1187-5	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16I02	WT1187-3	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16I02DUP	WT1187-3 DUP	DUPLICATE	2874	NTA	/ /	05/21/03	05/21/03	0	0	0
MG/L	13GLM16I02MS	WT1187-3 MS	MS	2874	NTA	/ /	05/21/03	05/21/03	0	0	0
MG/L	13GLM16S02	WT1187-1	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02DUP	WT1233-7 DUP	DUPLICATE	2874	NTA	/ /	05/22/03	05/22/03	0	0	0
MG/L	13GLM17I02MS	WT1233-7 MS	MS	2874	NTA	/ /	05/22/03	05/22/03	0	0	0
MG/L	13GLM17S02	WT1187-9	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM18I02	WT1233-3	DUPLICATE	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM7I02	WT1187-7	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	LABQC	MBLANK	LCS	2874	NTA	06/13/03	05/22/03	05/22/03	-22	0	-22
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/L	13GLM13I02	WT1187-11	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM13S02	WT1187-13	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16D02	WT1187-5	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16I02	WT1187-3	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16I02DUP	WT1187-3 DUP	DUPLICATE	2874	NTI	/ /	05/21/03	05/21/03	0	0	0
MG/L	13GLM16I02MS	WT1187-3 MS	MS	2874	NTI	/ /	05/21/03	05/21/03	0	0	0
MG/L	13GLM16S02	WT1187-1	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02DUP	WT1233-7 DUP	DUPLICATE	2874	NTI	/ /	05/22/03	05/22/03	0	0	0
MG/L	13GLM17I02MS	WT1233-7 MS	MS	2874	NTI	/ /	05/22/03	05/22/03	0	0	0
MG/L	13GLM17S02	WT1187-9	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM18I02	WT1233-3	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM7I02	WT1187-7	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	LABQC	MBLANK	LCS	2874	NTI	06/12/03	05/21/03	05/21/03	-22	0	-22
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM18I02	WT1233-3	DUPLICATE	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	LABQC	MBLANK	P BLANK	2874	NTIA	05/30/03	06/12/03	06/12/03	13	0	13
%	10GLM03S02	WT1233-13RA	NORMAL	2874	OS	05/20/03	05/28/03	06/25/03	8	28	36

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%	13GLM13I02	WT1187-11	NORMAL	2874	OS	05/19/03	05/23/03	06/23/03	4	31	35
%	13GLM13S02	WT1187-13	NORMAL	2874	OS	05/19/03	05/23/03	06/21/03	4	29	33
%	13GLM16D02	WT1187-5	NORMAL	2874	OS	05/19/03	05/23/03	06/20/03	4	28	32
%	13GLM16I02	WT1187-3	NORMAL	2874	OS	05/19/03	05/23/03	06/20/03	4	28	32
%	13GLM16S02	WT1187-1	NORMAL	2874	OS	05/19/03	05/23/03	06/20/03	4	28	32
%	13GLM17D02	WT1233-11RA	NORMAL	2874	OS	05/20/03	05/28/03	06/25/03	8	28	36
%	13GLM17I02	WT1233-7RA	NORMAL	2874	OS	05/20/03	05/28/03	06/25/03	8	28	36
%	13GLM17I02D	WT1233-9RA	NORMAL	2874	OS	05/20/03	05/28/03	06/25/03	8	28	36
%	13GLM17S02	WT1187-9	NORMAL	2874	OS	05/19/03	05/23/03	06/23/03	4	31	35
%	13GLM18D02	WT1233-5	NORMAL	2874	OS	05/20/03	05/28/03	06/24/03	8	27	35
%	13GLM18I02	WT1233-3	NORMAL	2874	OS	05/20/03	05/28/03	06/24/03	8	27	35
%	13GLM18S02	WT1233-1	NORMAL	2874	OS	05/20/03	05/28/03	06/24/03	8	27	35
%	13GLM7I02	WT1187-7	NORMAL	2874	OS	05/19/03	05/23/03	06/20/03	4	28	32
%	WG2380-BLANK	WG2380-1	P BLANK	2874	OS	05/23/03	05/23/03	06/13/03	0	21	21
%	WG2380-LCS	WG2380-4	LCS	2874	OS	05/23/03	05/23/03	06/13/03	0	21	21
%	WG2380-LCSD	WG2380-5	LCSD	2874	OS	05/23/03	05/23/03	06/13/03	0	21	21
%	WG2418-BLANK	WG2418-1	P BLANK	2874	OS	05/28/03	05/28/03	06/24/03	0	27	27
%	WG2418-LCS	WG2418-4	LCS	2874	OS	05/28/03	05/28/03	06/24/03	0	27	27
%	WG2418-LCSD	WG2418-5	LCSD	2874	OS	05/28/03	05/28/03	06/24/03	0	27	27
UG/L	10GLM03S02	WT1233-13	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM13I02	WT1187-11	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM13S02	WT1187-13	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM16D02	WT1187-5	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM16I02	WT1187-3	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM16S02	WT1187-1	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM17D02	WT1233-11	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM17I02	WT1233-7	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/L	13GLM17I02D	WT1233-9	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM17S02	WT1187-9	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM18D02	WT1233-5	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM18I02	WT1233-3	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM18S02	WT1233-1	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM18S02MS	WG2510-3	MS	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM18S02MSD	WG2510-4	MSD	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM7I02	WT1187-7	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13TL051903	WT1187-15	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13TL052003	WT1233-15	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	WG2495-BLANK	WG2495-2	P BLANK	2874	OV	/ /	06/02/03	06/02/03	0	0	0
UG/L	WG2495-LCS	WG2495-1	LCS	2874	OV	/ /	06/02/03	06/02/03	0	0	0
UG/L	WG2510-BLANK	WG2510-2	P BLANK	2874	OV	/ /	06/03/03	06/03/03	0	0	0
UG/L	WG2510-LCS	WG2510-1	LCS	2874	OV	/ /	06/03/03	06/03/03	0	0	0
UG/L	WG2517-BLANK	WG2517-2	P BLANK	2874	OV	/ /	06/02/03	06/02/03	0	0	0
UG/L	WG2517-LCS	WG2517-1	LCS	2874	OV	/ /	06/02/03	06/02/03	0	0	0
%	13GLM18S02	WT1233-1	NORMAL	2874	PCB	05/20/03	05/27/03	06/11/03	7	15	22
%	WG2400-BLANK	WG2400-2	P BLANK	2874	PCB	05/27/03	05/27/03	06/11/03	0	15	15
%	WG2400-LCS	WG2400-1	LCS	2874	PCB	05/27/03	05/27/03	06/11/03	0	15	15
%	WG2400-LCSD	WG2400-3	LCSD	2874	PCB	05/27/03	05/27/03	06/11/03	0	15	15
UG/L	13GLM18S02	WT1233-1	NORMAL	2874	PEST	05/20/03	05/27/03	06/11/03	7	15	22
UG/L	WG2399-BLANK	WG2399-1	P BLANK	2874	PEST	05/27/03	05/27/03	06/11/03	0	15	15
UG/L	WG2399-LCS	WG2399-2	LCS	2874	PEST	05/27/03	05/27/03	06/11/03	0	15	15
UG/L	WG2399-LCSD	WG2399-3	LCSD	2874	PEST	05/27/03	05/27/03	06/11/03	0	15	15
%	10GLM03S02	WT1233-14	NORMAL	2874	SIM	05/20/03	05/28/03	07/02/03	8	35	43
%	13GLM13I02	WT1187-12	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	13GLM13S02	WT1187-14	NORMAL	2874	SIM	05/19/03	05/23/03	07/01/03	4	39	43

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%	13GLM16D02	WT1187-6	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	13GLM16I02	WT1187-4	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	13GLM16S02	WT1187-2	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	13GLM17D02	WT1233-12	NORMAL	2874	SIM	05/20/03	05/28/03	07/02/03	8	35	43
%	13GLM17I02	WT1233-8	NORMAL	2874	SIM	05/20/03	05/28/03	07/02/03	8	35	43
%	13GLM17I02D	WT1233-10	NORMAL	2874	SIM	05/20/03	05/28/03	07/02/03	8	35	43
%	13GLM17S02	WT1187-10	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	13GLM18D02	WT1233-6DL	NORMAL	2874	SIM	05/20/03	05/28/03	07/02/03	8	35	43
%	13GLM18I02	WT1233-4	NORMAL	2874	SIM	05/20/03	05/28/03	07/01/03	8	34	42
%	13GLM18S02	WT1233-2	NORMAL	2874	SIM	05/20/03	05/28/03	07/01/03	8	34	42
%	13GLM7I02	WT1187-8	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	WG2380-BLANK	WG2380-1B	P BLANK	2874	SIM	05/23/03	05/23/03	06/16/03	0	24	24
%	WG2380-LCS	WG2380-2	LCS	2874	SIM	05/23/03	05/23/03	06/16/03	0	24	24
%	WG2380-LCSD	WG2380-3	LCSD	2874	SIM	05/23/03	05/23/03	06/16/03	0	24	24
%	WG2418-BLANK	WG2418-1C	P BLANK	2874	SIM	05/28/03	05/28/03	07/02/03	0	35	35
%	WG2418-LCS	WG2418-2	LCS	2874	SIM	05/28/03	05/28/03	07/01/03	0	34	34
%	WG2418-LCSD	WG2418-3	LCSD	2874	SIM	05/28/03	05/28/03	07/01/03	0	34	34
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	SO4	05/20/03	06/16/03	06/16/03	27	0	27
MG/L	13GLM13I02	WT1187-11	NORMAL	2874	SO4	05/19/03	06/16/03	06/16/03	28	0	28
MG/L	13GLM13S02	WT1187-13	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16D02	WT1187-5	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16I02	WT1187-3	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16I02MS	WT1187-3 MS	MS	2874	SO4	/ /	06/13/03	06/13/03	0	0	0
MG/L	13GLM16I02MSD	WT1187-3 MSD	MSD	2874	SO4	/ /	06/13/03	06/13/03	0	0	0
MG/L	13GLM16S02	WT1187-1	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM17S02	WT1187-9	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18I02	WT1233-3	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM7I02	WT1187-7	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	LABQC	MBLANK	P BLANK	2874	SO4	05/29/03	06/13/03	06/13/03	15	0	15
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	TOC	05/20/03	06/14/03	06/14/03	25	0	25
MG/L	13GLM13I02	WT1187-11	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM13S02	WT1187-13	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16D02	WT1187-5	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16I02	WT1187-3	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16S02	WT1187-1	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	TOC	05/20/03	06/14/03	06/14/03	25	0	25
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	TOC	05/20/03	06/14/03	06/14/03	25	0	25
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	TOC	05/20/03	06/14/03	06/14/03	25	0	25
MG/L	13GLM17S02	WT1187-9	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	TOC	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18D02MS	WT1233-5 MS	MS	2874	TOC	/ /	06/13/03	06/13/03	0	0	0
MG/L	13GLM18I02	WT1233-3	NORMAL	2874	TOC	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	TOC	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM7I02	WT1187-7	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	LABQC	MBLANK	LCS	2874	TOC	05/29/03	06/14/03	06/14/03	16	0	16

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 4262 | PAGE ___ OF ___

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
N9061	PCY AOC 1	G. Walker	(850)385-9829	Katahdin Analytical
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
[signature]		Bill Olson		340 County Rd. No 5
		CARRIER/WAYBILL NUMBER		CITY, STATE
				Westbrook ME

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

DATE YEAR 2003	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TCL VOC 8260B	TCL SVOC/SIM 8270C	Selected metals 6010B	Anions EPA 300	RSK 147/175	TOC EPA 415.1			COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	P	P	G	G			
PRESERVATIVE USED									HCL	4°C	HNO3	4°C	HCL	H2SO4			
5/20	0801	13GLM17I02	PCY-13/17I	25	30	GW	G	11	3	2	1	1	2	2			
5/20	0801	13GLM17I02D	PCY-13 17I			GW	G	11	3	2	1	1	2	2			
5/20	0830	13TL052003				QC	G	2	2	—	—	—	—	—			
5/20	0935	13GLM17D02	PCY 13-17D	35	40	GW	G	11	3	2	1	1	2	3			
5/20	1145	10GLM03502	PCY-10 -35	12.50	10.50	GW	G	11	3	2	1	1	2	3			

1. RELINQUISHED BY [signature]	DATE 5/20/03	TIME 1430	1. RECEIVED BY [signature]	DATE 5/20/03	TIME 1430
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

4/02R
FORM NO. TtNUS-001

Katahdin Analytical Services
0 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE PRINT IN PEN

Client: TETRA TECH NUS
Contact: MIKE AKERS
Phone #: (850) 385-8899
Fax #: (850) 385-8866
Address: 1401 OVEN PARK DR suite 201
City: Tallahassee
State: FL
Zip Code: 32312
Purchase Order #: N9061-WR
Proj. Name / No.: CSS Panama City.
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): TAL
Copies To:

LAB USE ONLY
WORK ORDER #: WT11987
KATAHDIN PROJECT MANAGER:

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.	VOC's 8260B (Filt. ☐Y ☒N)	SVOC's + PAHs 8270 + 8270SIM (Filt. ☐Y ☒N)	TOC 415.1 (Filt. ☐Y ☒N)	Dissolved Gases RSK147/175 (Filt. ☐Y ☒N)	Anions 300.0 (Filt. ☐Y ☒N)	Select Metals 6010B (Filt. ☐Y ☒N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	13GLM16S02	5/19/03 1250	GW	11	3	2	2 ✓	2	1 ✓	1 ✓				
	13GLM16I02	/ 1205	GW	11	3	2	2 ✓	2	1 ✓	1 ✓				
	13GLM16D02	/ 1330	GW	11	3	2	2 ✓	2	1 ✓	1 ✓				
	13GLM7I02	5/19/03 1425	GW	11	3	2	2 ✓	2	1 ✓	1 ✓				
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
TAL	5/19/03 1700	[illegible] 5/20/03 0910			
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

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Page ____ of ____

Client: TLNUS
Contact: M. Akers
Phone #: (850) 385-9899
Fax #: (850) 385-9260
Address: 1401 Oven Park Dr. Ste 20
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340 WQ061
Proj. Name / No.: FCY RFI
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): Mark D. Olson W.D. Olson
Copies To:

LAB USE ONLY
WORK ORDER #: W7187
KATAHDIN PROJECT MANAGER:

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.	TCL VOC 8260B (Filt. ☐Y ☐N)	TCL SVOC 8270C/SIM (Filt. ☐Y ☐N)	Selected metals 6010B (Filt. ☐Y ☐N)	Anions EPA 300 (Filt. ☐Y ☐N)	RSK 147/175 (Filt. ☐Y ☐N)	TOC EPA 415.1 (Filt. ☐Y ☐N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐
	13GM17502	5/19/03/1204	GW	11	3	2	1 ✓	1 ✓	2	2 ✓				
	13GLM13I02	5/19/03/1340	GW	11	3	2	1 ✓	1 ✓	2	2 ✓				
	13GLM13502	5/19/03/1430	GW	11	3	2	1 ✓	1 ✓	2	2 ✓				
	13TL051903	5/19/03/1500	QA	2	2	—	—	—	—	—				
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Mark D. Olson	5/19/03 1600	[illegible]			
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 PRINT IN PEN

Client: TETRA TECH NUS | Contact: Mike Akers | Phone #: (850) 385 9899 | Fax #: (850) 385 9860

Address: 1401 Oven Park Dr Suite 201 | City: Tallahassee | State: FL | Zip Code: 32312

Purchase Order #: N9061-WR340 | Proj. Name / No.: CSS PCY RFI | Katahdin Quote #:

Bill (if different than above): | Address:

Sampler (Print / Sign): TAZ | Copies To:

LAB USE ONLY | WORK ORDER #: | KATAHDIN PROJECT MANAGER:

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.	VOC 8260B (Filt. Y/N)	Dissolved Gases RSK SOP 147/175 (Filt. Y/N)	TOC 415.1 (Filt. Y/N)	Anions 300.0 (Filt. Y/N)	TAL Metals 6010B (Filt. Y/N)	Select Metals 6010B (Filt. Y/N)	SVOCs + PAH's 8270 + 8270SIM (Filt. Y/N)	PEST/PCB's 8081/8082 (Filt. Y/N)	Cyanide 9012B (Filt. Y/N)	(Filt. Y/N)
	13GLM18S02	5/20/03/0850	GW	14	3	2	2 ✓	1 ✓	1 ✓	—	2	2	1 ✓	
	13GLM18I02	5/20/03/0855	GW	11	3	2	2 ✓	1 ✓	—	1 ✓	2	—	—	
	13GLM18D02	5/20/03/0935	GW	11	3	2	2 ✓	1 ✓	—	1 ✓	2	—	—	
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
TAZ	5/20/03 1700	[signature]	5/22/03 0750		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

ORIGINAL

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CSS PANAMA CITY CTO 287
SDG: CTO287-4
WT1187, WT1233

Sample Receipt

The following samples were received on May 20 & 22, 2003 and were logged in under Katahdin Analytical Services work order numbers WT1187 & WT1233 for a hardcopy due date of June 17, 2003.

KATAHDIN Sample No.	TTNUS Sample Identification
WT1187-1	13GLM16S02
WT1187-2	13GLM16S02
WT1187-3	13GLM16I02
WT1187-4	13GLM16I02
WT1187-5	13GLM16D02
WT1187-6	13GLM16D02
WT1187-7	13GLM7I02
WT1187-8	13GLM7I02
WT1187-9	13GLM17S02
WT1187-10	13GLM17S02
WT1187-11	13GLM13I02
WT1187-12	13GLM13I02
WT1187-13	13GLM13S02
WT1187-14	13GLM13S02
WT1187-15	13TL051903
WT1233-1	13GLM18S02
WT1233-2	13GLM18S02
WT1233-3	13GLM18I02
WT1233-4	13GLM18I02
WT1233-5	13GLM18D02
WT1233-6	13GLM18D02
WT1233-7	13GLM17I02
WT1233-8	13GLM17I02
WT1233-9	13GLM17I02D
WT1233-10	13GLM17I02D
WT1233-11	13GLM17D02
WT1233-12	13GLM17D02
WT1233-13	10GLM03S02
WT1233-14	10GLM03S02
WT1233-15	13TL052003

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.

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 Laboratory

Samples WT1233-1 through 15 were received on May 22, 2003 and WT1187-1 through 15 were received on May 20, 2002. Some of the samples were analyzed for pesticides according to SW-846 method 8081A and/or polychlorinated biphenyls (PCBs) according to SW-846 method 8082 and/or semivolatiles according to SW-846 method 8270C for the EPA CLP method target analytes and/or SIM semivolatiles according to SW-846 method 8270C and/or volatile organics according to SW-846 method 8260B for the EPA CLP method target analytes. Some manual integrations were performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software generated) on the pertinent quantitation reports. The samples were extracted and/or analyzed within hold time, and all QC criteria were met with the following comments:

8081 Analysis

The laboratory control sample duplicate (LCSD) WG2399-3 had low recoveries for all spike analytes and the extraction surrogate TCX on both channels which were outside of the laboratory established acceptance limits. Since the laboratory control sample (LCS) WG2334-2 had acceptable recoveries for these analytes, and none of these analytes were recovered in the associated samples, these samples were not reanalyzed.

The laboratory method blank WG2399-1 and sample WT1233-1 had low recoveries for the extraction surrogate TCX on both the A and B channel that were outside of the laboratory established acceptance limits. Since the second extraction surrogate DCB was within the acceptance limits the sample was not reanalyzed.

The closing calibration verification standard (CV) (file 8TF1149) had low responses for 4,4'-DDD and Methoxychlor on the A channel, which resulted in %D's that were outside the method limit of 15%. The associated samples may be biased low for these analytes on channel A.

8082 Analysis

The laboratory method blank WG2400-2 had high recoveries for both extraction surrogates that were outside of the laboratory established acceptance limits. Since high recoveries would indicate a high bias and the method blank did not detect any target analytes above the MDL, the sample was not reanalyzed.

Sample WT1233-1 had low recoveries for the extraction surrogate DCB on both channels that were outside of the laboratory established acceptance limits. Since the recoveries for the other extraction surrogate, TCX, were within the acceptance limits, the sample was not reanalyzed.

The opening CV (file 6TF2035) had a low response for TCX on the B channel which resulted in a %D that was outside the method limit of 15%. Since the response was acceptable on the A channel, the associated samples were not reanalyzed. The associated samples may be biased low for TCX on the B channel.

8270 SCAN and 8270 SIM Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) and Matrix spike samples (MS/MSD's) are statistically derived. Katahdin standard operating procedure is to not take corrective action until greater than ten percent of the spiked target analytes in the LCS are outside of QC limits.

The calibration curve analyzed for this SDG on the 'K' instrument had %RSD values for some analytes that exceeded the method acceptance limit of 15%. For those analytes, either a linear or quadratic model was used for the calibration curve. The analyte Benzaldehyde failed for both the linear and quadratic models due to the correlation coefficient being less than the method acceptance criteria of 0.990. This compound was calibrated using the average model. The sample results for this analyte should be used with due consideration.

The SIM analysis of sample WT1233-6 was diluted in order to bring the high concentrated target analytes into the calibration range.

8260 Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) and Matrix spike samples (MS/MSD's) are statistically derived. Katahdin standard operating procedure is to not take corrective action until greater than ten percent of the spiked analytes in the LCS are outside of QC limits.

There were two calibration curves performed for this SDG. The calibration method analyzed on the 'S' instrument on 5/29/03 had several analytes with %RSD values exceeding the method acceptance limit of 15%. The analytes Acetone, 2-Butanone and 2-Hexanone 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 averaged model. The sample results for these analytes should be used with due consideration.

The calibration curves that were analyzed did not contain the target analytes Cylcohexane, Methylcyclohexane, and Methyl Acetate. For each analytical batch a single point standard was analyzed at a concentration of 5 ug/L. This was performed in order to demonstrate that the PQL could be achieved for these analytes. The client was informed and notified the laboratory to proceed with this option.

The continuing calibration standard (CV) (file S6981) had low responses for the CCC compounds Vinyl chloride and 1,2-Dichloropropane. The results for these compounds should be used with due consideration.

Sample WT1233-9 had a recovery one surrogate that was low and outside of the laboratory established acceptance limits. Since the other three surrogates were acceptable and the surrogate was outside of the acceptance limits by 1%, the sample was not reanalyzed.

The laboratory method blank WG2517-2, detected Methylene chloride above the MDL. None of the associated samples detected this analyte above the MDL. Therefore, the sample data quality should not be affected.

The laboratory control samples WG2495-1 and WG2510-1 had high or low recoveries for greater than 10% of the target spiked analytes, which were outside of the laboratory established acceptance limits.

The Matrix Spike and/or Matrix Spike Duplicate sample (WG2510-3 and WG2510-4) had high or low recoveries for greater than 10% of the target spiked analytes, which were outside of the laboratory established acceptance limits. The deviations are possibly due to a matrix effect.

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

Metals Analysis

The samples of Katahdin SDG CTO287-4 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) and Inductively-Coupled Plasma Mass Spectrometric Analysis (ICP-MS)

Aqueous-matrix Katahdin Sample Nos. WT1187-(1, 3, 5, 7, 9, 11, and 13) were digested for ICP analysis on 05/29/03 (QC Batch TE29ICW1) in accordance with USEPA Method 3010A.

Aqueous-matrix Katahdin Sample Nos. WT1233-(1, 3, 5, 7, 9, 11, and 13) were digested for ICP and ICP-MS analysis on 05/30/03 (QC Batch TE30ICW0) in accordance with USEPA Method 3010A.

ICP analyses of Katahdin SDG CTO287-4 sample digestates were performed in accordance with USEPA Method 6010B, using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. ICP-MS analyses of Katahdin SDG CTO287-4 sample digestate WT1233-1 for thallium were performed in accordance with USEPA Method 6020, using an Agilent 7500 ICP-MS spectrometer. All samples were analyzed within holding times and all 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)

Aqueous-matrix Katahdin Sample No. WT1233-1 was digested for mercury analysis on 06/09/03 (QC Batch TF09HGW0) in accordance with USEPA Method 7470A.

Mercury analyses of Katahdin SDG CTO287-4 sample digestates were performed using a Leeman Labs PS200 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 CTO287-4 were received on 05/20/03 and 05/22/03 and logged in as Katahdin Work Orders WT1187 and WT1233. Analyses for Chloride, Total Organic Carbon (TOC), Sulfate, Nitrate, and Nitrite were performed according to "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1979, Revised 1983.

All Wet Chemistry results have been reported down to Katahdin Analytical Services' Method Detection Limits (MDL). These levels are indicated in the result field of the analytical report. For hits that fall between the MDL and Katahdin's Practical Quantitation Limit (PQL), a "J" flag has been used.

All analyses were performed within analytical hold time, and all quality control criteria were met, with the following exceptions:

The measured Nitrate recovery (72%) for the matrix spike aliquot of Katahdin Sample No. WT1233-7 is outside the laboratory's acceptance limits of 75-125%.

The measured Sulfate recovery (73%) for the matrix spike aliquot of Katahdin Sample No. WT1187-3 is outside the laboratory's acceptance limits of 75-125%.

No other deviations were noted by the Wet Chemistry group.

Subcontracted Analysis

Analyses for Methane/Ethane/Ethene were performed by a subcontract laboratory. Please refer to the section of the data package titled "Subcontracted Data."

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.

María Crouch
07.10.03
María Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: CTO287-4 **SOW No.** SW846

Client Field ID	Lab Sample ID
10GLM03S02	WT1233-013
13GLM13I02	WT1187-011
13GLM13S02	WT1187-013
13GLM16D02	WT1187-005
13GLM16I02	WT1187-003
13GLM16S02	WT1187-001
13GLM17D02	WT1233-011
13GLM17I02	WT1233-007
13GLM17I02D	WT1233-009
13GLM17S02	WT1187-009
13GLM18D02	WT1233-005
13GLM18I02	WT1233-003
13GLM18S02	WT1233-001
13GLM7I02	WT1187-007

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

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

Signature: Edward A. Morgan Name: Edward A. Morgan

Date: June 20, 2003 Title: Senior Chemist

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCV

File: ATF16B Jun 16, 2003 15:50

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	54133.41	108.3
ARSENIC	1000.0	1177.10	117.7 *
CALCIUM	50000.0	56483.17	113.0 *
IRON	20000.0	22468.86	112.3 *
MAGNESIUM	50000.0	56452.42	112.9 *

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CRI

File: ATF16B Jun 16, 2003 11:17

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	21.98	109.9

SAMPLE: CRI

File: ATF16B Jun 16, 2003 15:27

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	26.51	132.6

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CRI

File: BTF03A Jun 03, 2003 11:11

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.12	111.2
CADMIUM	10.0	12.03	120.3
COPPER	50.0	54.16	108.3
MANGANESE	30.0	39.34	131.1
NICKEL	80.0	82.92	103.6
SILVER	20.0	21.81	109.1
VANADIUM	100.0	108.81	108.8
ZINC	40.0	43.51	108.8

SAMPLE: CRI

File: BTF03A Jun 03, 2003 13:35

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.17	111.7
CADMIUM	10.0	12.71	127.1
COPPER	50.0	53.43	106.9
MANGANESE	30.0	40.44	134.8
NICKEL	80.0	91.63	114.5
SILVER	20.0	20.22	101.1
VANADIUM	100.0	113.60	113.6
ZINC	40.0	44.44	111.1

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CRI

File: BTF03A Jun 03, 2003 16:35

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.37	113.7
CADMIUM	10.0	13.20	132.0
COPPER	50.0	54.56	109.1
MANGANESE	30.0	40.50	135.0
NICKEL	80.0	94.52	118.2
SILVER	20.0	18.65	93.2
VANADIUM	100.0	113.58	113.6
ZINC	40.0	44.72	111.8

SAMPLE: CRI

File: BTF03A Jun 03, 2003 19:24

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.30	113.0
CADMIUM	10.0	13.21	132.1
COPPER	50.0	55.06	110.1
MANGANESE	30.0	39.97	133.2
NICKEL	80.0	93.73	117.2
SILVER	20.0	20.87	104.4
VANADIUM	100.0	112.60	112.6
ZINC	40.0	44.76	111.9

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

SAMPLE: PQL

File: ATF11B Jun 11, 2003 16:03 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	421.79	140.6
ARSENIC	8.0	5.98	~~74.8~~
CALCIUM	50.0	7.74	15.5 •
IRON	100.0	107.50	107.5
MAGNESIUM	50.0	63.64	127.3

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTE29ICW1

Matrix: WATER **SDG Name:** CTO287-4

QC Batch ID: TE29ICW1

Concentration Units : ug/L

Analyte	RESULT	C
ARSENIC	1.800	U
CALCIUM	18.700	U
MAGNESIUM	28.200	U
MANGANESE	0.920	U
POTASSIUM	513.000	U
SODIUM	52.700	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTE30ICW0

Matrix: WATER **SDG Name:** CTO287-4

QC Batch ID: TE30ICW0

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	20.200	U
ANTIMONY	1.330	U
ARSENIC	1.800	U
BARIUM	-0.760	B
BERYLLIUM	0.310	U
CADMIUM	3.660	U
CALCIUM	18.700	U
CHROMIUM	0.570	U
COBALT	0.570	B
COPPER	2.570	B
IRON	6.060	U
LEAD	1.260	B
MAGNESIUM	28.200	U
MANGANESE	0.920	U
NICKEL	11.700	U
POTASSIUM	513.000	U
SELENIUM	-2.750	B
SILVER	4.780	U
SODIUM	68.390	B
THALLIUM	0.433	B
VANADIUM	4.700	U
ZINC	2.830	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTF09HGW0

Matrix: WATER **SDG Name:** CTO287-4

QC Batch ID: TF09HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	0.035	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: ICB

File: ATF03B Jun 03, 2003 12:53

Analyte	Result	C
ALUMINUM	-25.21	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	5.56	B
SELENIUM	2.10	U

SAMPLE: CCB

File: ATF03B Jun 03, 2003 13:34

Analyte	Result	C
ALUMINUM	-21.36	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.47	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	5.71	B
SELENIUM	2.10	U

SAMPLE: CCB

File: ATF03B Jun 03, 2003 15:16

Analyte	Result	C
ALUMINUM	34.75	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	7.87	B
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB

File: ATF03B Jun 03, 2003 16:38

Analyte	Result	C
ALUMINUM	-28.08	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	6.08	B
SELENIUM	-4.25	B

SAMPLE: CCB

File: ATF03B Jun 03, 2003 17:59

Analyte	Result	C
ALUMINUM	-29.95	B
ANTIMONY	1.33	U
ARSENIC	2.33	B
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	6.45	B
SELENIUM	2.10	U

SAMPLE: CCB

File: ATF03B Jun 03, 2003 19:19

Analyte	Result	C
ALUMINUM	-47.88	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	13.18	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	11.84	B
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB

File: ATF03B Jun 03, 2003 20:39

Analyte	Result	C
ALUMINUM	-61.46	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	14.92	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	10.16	B
SELENIUM	2.10	U

SAMPLE: CCB

File: ATF03B Jun 03, 2003 22:00

Analyte	Result	C
ALUMINUM	-39.47	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	10.36	B
LEAD	0.91	U
MAGNESIUM	5.75	B
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: ICB

File: ATF10A Jun 10, 2003 10:34

Analyte	Result	C
ALUMINUM	49.44	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-12.45	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

SAMPLE: CCB

File: ATF10A Jun 10, 2003 11:14

Analyte	Result	C
ALUMINUM	31.64	B
ANTIMONY	1.38	B
ARSENIC	1.80	U
CALCIUM	7.50	B
CHROMIUM	1.01	B
COBALT	1.00	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	25.41	B
SELENIUM	-3.07	B

SAMPLE: CCB

File: ATF10A Jun 10, 2003 12:36

Analyte	Result	C
ALUMINUM	39.83	B
ANTIMONY	1.68	B
ARSENIC	1.80	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	8.87	B
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB

File: ATF10A Jun 10, 2003 13:57

Analyte	Result	C
ALUMINUM	94.06	B
ANTIMONY	1.33	U
ARSENIC	-2.15	B
CALCIUM	-16.84	B
CHROMIUM	0.70	B
COBALT	0.44	U
IRON	12.41	B
LEAD	0.91	U
MAGNESIUM	4.92	B
SELENIUM	2.10	U

SAMPLE: CCB

File: ATF10A Jun 10, 2003 15:17

Analyte	Result	C
ALUMINUM	73.30	B
ANTIMONY	1.59	B
ARSENIC	-1.84	B
CALCIUM	-14.45	B
CHROMIUM	0.57	U
COBALT	-0.48	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

SAMPLE: CCB

File: ATF10A Jun 10, 2003 16:37

Analyte	Result	C
ALUMINUM	65.98	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-11.34	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	5.90	B
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB

File: ATF10A Jun 10, 2003 17:57

Analyte	Result	C
ALUMINUM	30.83	B
ANTIMONY	1.65	B
ARSENIC	1.80	U
CALCIUM	-7.79	B
CHROMIUM	73.47	
COBALT	0.54	B
IRON	243.89	
LEAD	1.20	B
MAGNESIUM	4.08	U
SELENIUM	2.10	U

SAMPLE: CCB

File: ATF10A Jun 10, 2003 19:18

Analyte	Result	C
ALUMINUM	31.22	B
ANTIMONY	1.33	U
ARSENIC	-2.77	B
CALCIUM	-14.94	B
CHROMIUM	75.67	
COBALT	0.46	B
IRON	245.30	
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: ICB

File: ATF11B Jun 11, 2003 15:53

Analyte	Result	C
ALUMINUM	68.53	B
ARSENIC	-1.86	B
CALCIUM	-19.85	B
IRON	9.31	U
MAGNESIUM	4.08	U

SAMPLE: CCB

File: ATF11B Jun 11, 2003 16:53

Analyte	Result	C
ALUMINUM	397.74	
ARSENIC	-2.48	B
CALCIUM	-91.11	
IRON	14.79	B
MAGNESIUM	10.49	B

SAMPLE: CCB

File: ATF11B Jun 11, 2003 18:13

Analyte	Result	C
ALUMINUM	460.17	
ARSENIC	1.80	U
CALCIUM	-100.70	
IRON	9.31	U
MAGNESIUM	8.02	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB

File: ATF11B Jun 11, 2003 19:33

Analyte	Result	C
ALUMINUM	415.67	
ARSENIC	1.80	U
CALCIUM	-93.00	
IRON	9.31	U
MAGNESIUM	7.79	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: ICB

File: ATF16B Jun 16, 2003 11:04

Analyte	Result	C
ALUMINUM	-11.71	B
ARSENIC	1.80	U
CALCIUM	7.06	U
IRON	9.31	U
MAGNESIUM	4.08	U

SAMPLE: CCB

File: ATF16B Jun 16, 2003 11:46

Analyte	Result	C
ALUMINUM	53.20	B
ARSENIC	1.80	U
CALCIUM	-11.47	B
IRON	9.31	U
MAGNESIUM	4.08	U

SAMPLE: CCB

File: ATF16B Jun 16, 2003 13:06

Analyte	Result	C
ALUMINUM	54.20	B
ARSENIC	1.80	U
CALCIUM	-9.31	B
IRON	9.31	U
MAGNESIUM	4.08	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB

File: ATF16B Jun 16, 2003 14:29

Analyte	Result	C
ALUMINUM	91.92	B
ARSENIC	1.80	U
CALCIUM	-17.29	B
IRON	9.31	U
MAGNESIUM	4.08	U

SAMPLE: CCB

File: ATF16B Jun 16, 2003 15:56

Analyte	Result	C
ALUMINUM	197.81	B
ARSENIC	1.80	U
CALCIUM	-26.15	B
IRON	9.31	U
MAGNESIUM	5.16	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: ICB

File: BTF03A Jun 03, 2003 11:00

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTF03A Jun 03, 2003 11:33

Analyte	Result	C
ALUMINUM	21.60	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	27.35	B
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	24.81	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTF03A Jun 03, 2003 12:56

Analyte	Result	C
ALUMINUM	37.30	B
BARIUM	0.54	B
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	49.17	B
COPPER	2.38	U
IRON	13.51	B
MAGNESIUM	49.86	B
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	29.32	B
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB

File: BTF03A Jun 03, 2003 13:58

Analyte	Result	C
ALUMINUM	40.72	B
BARIUM	-0.54	B
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	50.03	
COPPER	2.38	U
IRON	17.68	B
MAGNESIUM	48.64	B
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	31.85	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTF03A Jun 03, 2003 15:22

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	19.95	B
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	43.05	B
VANADIUM	4.70	U
ZINC	3.22	B

SAMPLE: CCB

File: BTF03A Jun 03, 2003 16:29

Analyte	Result	C
ALUMINUM	32.87	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	24.84	B
COPPER	2.38	U
IRON	6.47	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	26.65	B
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB
File: BTF03A Jun 03, 2003 16:58

Analyte	Result	C
ALUMINUM	20.48	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	22.88	B
COPPER	2.38	U
IRON	6.96	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	36.62	B
VANADIUM	4.70	U
ZINC	3.53	B

SAMPLE: CCB
File: BTF03A Jun 03, 2003 17:54

Analyte	Result	C
ALUMINUM	37.98	B
BARIUM	0.48	U
BERYLLIUM	0.31	B
CADMIUM	3.66	U
CALCIUM	33.81	B
COPPER	2.38	U
IRON	13.64	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	47.13	B
VANADIUM	4.70	U
ZINC	4.02	B

SAMPLE: CCB
File: BTF03A Jun 03, 2003 19:02

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	24.65	B
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB

File: BTF03A Jun 03, 2003 19:47

Analyte	Result	C
ALUMINUM	22.46	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: ICB

File: DTF10B Jun 10, 2003 13:01

Analyte	Result	C
MERCURY	-0.04	B

SAMPLE: CCB

File: DTF10B Jun 10, 2003 13:39

Analyte	Result	C
MERCURY	0.03	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: ICB

File: FTF05A Jun 05, 2003 15:03

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	1.14	U
MOLYBDENUM	0.25	B
POTASSIUM	4.73	U
SODIUM	2.31	U
THALLIUM	0.06	B

SAMPLE: CCB

File: FTF05A Jun 05, 2003 16:12

Analyte	Result	C
ALUMINUM	2.41	B
CALCIUM	2.85	U
IRON	4.17	B
MAGNESIUM	3.81	B
MOLYBDENUM	1.66	B
POTASSIUM	6.46	B
SODIUM	6.11	B
THALLIUM	0.11	B

SAMPLE: CCB

File: FTF05A Jun 05, 2003 17:45

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	2.24	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	2.31	U
THALLIUM	0.08	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB

File: FTF05A Jun 05, 2003 19:18

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	2.43	B
MOLYBDENUM	0.21	U
POTASSIUM	4.81	B
SODIUM	14.06	B
THALLIUM	0.07	B

SAMPLE: CCB

File: FTF05A Jun 05, 2003 20:52

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.83	B
MAGNESIUM	4.03	B
MOLYBDENUM	0.21	U
POTASSIUM	8.02	B
SODIUM	51.90	B
THALLIUM	0.16	B

SAMPLE: CCB

File: FTF05A Jun 05, 2003 22:25

Analyte	Result	C
ALUMINUM	6.45	B
CALCIUM	6.78	B
IRON	8.60	B
MAGNESIUM	11.53	B
MOLYBDENUM	1.50	~~B~~
POTASSIUM	10.64	B
SODIUM	62.77	B
THALLIUM	0.06	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: ICB

File: FTF06A Jun 06, 2003 16:35

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	1.14	U
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-4.71	B
THALLIUM	0.07	B

SAMPLE: CCB

File: FTF06A Jun 06, 2003 17:45

Analyte	Result	C
ALUMINUM	3.86	B
CALCIUM	4.87	B
IRON	4.89	B
MAGNESIUM	5.61	B
MOLYBDENUM	11.35	B
POTASSIUM	10.22	B
SODIUM	8.25	B
THALLIUM	0.11	B

SAMPLE: CCB

File: FTF06A Jun 06, 2003 19:18

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	1.83	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-8.03	B
THALLIUM	0.15	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Concentration Units: ug/L

SAMPLE: CCB

File: FTF06A Jun 06, 2003 20:51

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	1.14	U
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-10.59	B
THALLIUM	0.19	B

SAMPLE: CCB

File: FTF06A Jun 06, 2003 22:24

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.96	B
IRON	4.15	B
MAGNESIUM	2.91	B
MOLYBDENUM	0.21	U
POTASSIUM	82.09	B
SODIUM	-8.84	B
THALLIUM	0.15	B

SAMPLE: CCB

File: FTF06A Jun 06, 2003 23:57

Analyte	Result	C
ALUMINUM	2.25	B
CALCIUM	3.40	B
IRON	5.44	B
MAGNESIUM	3.50	B
MOLYBDENUM	1.40	B
POTASSIUM	8.21	B
SODIUM	-4.63	B
THALLIUM	0.10	B

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-4

Parameter: Chloride

QC Batch Id: TF16WL2
Anal Method: EPA 325.2 | Anal Date: 06/13/03 | Blank Result: U2.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 2.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/13/03
LABQC	MBLANK	06/13/03
13GLM16S02	WT1187-1	06/13/03
13GLM13I02	WT1187-11	06/13/03
13GLM13S02	WT1187-13	06/13/03
13GLM16I02	WT1187-3	06/13/03
13GLM16I02	WT1187-3 DUP	06/13/03
13GLM16I02	WT1187-3 MS	06/13/03
13GLM16D02	WT1187-5	06/13/03
13GLM7I02	WT1187-7	06/13/03
13GLM17S02	WT1187-9	06/13/03
13GLM18S02	WT1233-1	06/13/03
13GLM17D02	WT1233-11	06/13/03
10GLM03S02	WT1233-13	06/13/03
13GLM18I02	WT1233-3	06/13/03
13GLM18D02	WT1233-5	06/13/03
13GLM17I02	WT1233-7	06/13/03
13GLM17I02D	WT1233-9	06/13/03

Parameter: Cyanide

QC Batch Id: TF03WL5
Anal Method: SW846 M9012A | Anal Date: 06/02/03 | Blank Result: U10ug/L
Prep Method: SW846 M9012 | Prep Date: 05/29/03 | Pql: 10ug/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/02/03
LABQC	MBLANK	06/02/03
13GLM18S02	WT1233-1	06/02/03
13GLM18S02	WT1233-1 MS	06/02/03

Parameter: Nitrate As N

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-4

Parameter: Nitrate As N

QC Batch Id: TE23WL20
Anal Method: EPA 353.2 | Anal Date: 05/21/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/21/03
LABQC	MBLANK	05/21/03
13GLM16S02	WT1187-1	05/21/03
13GLM13I02	WT1187-11	05/21/03
13GLM13S02	WT1187-13	05/21/03
13GLM16I02	WT1187-3	05/21/03
13GLM16I02	WT1187-3 DUP	05/21/03
13GLM16I02	WT1187-3 MS	05/21/03
13GLM16D02	WT1187-5	05/21/03
13GLM7I02	WT1187-7	05/21/03
13GLM17S02	WT1187-9	05/21/03

QC Batch Id: TE26WL1
Anal Method: EPA 353.2 | Anal Date: 05/22/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
13GLM18S02	WT1233-1	05/22/03
13GLM17D02	WT1233-11	05/22/03
10GLM03S02	WT1233-13	05/22/03
13GLM18I02	WT1233-3	05/22/03
13GLM18D02	WT1233-5	05/22/03
13GLM17I02	WT1233-7	05/22/03
13GLM17I02	WT1233-7 DUP	05/22/03
13GLM17I02	WT1233-7 MS	05/22/03
13GLM17I02D	WT1233-9	05/22/03

Parameter: Nitrate+Nitrite As N

QC Batch Id: TF13WL1

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-4

Parameter: Nitrate+Nitrite As N

QC Batch Id: TF13WL1
Anal Method: EPA 353.2 | Anal Date: 06/12/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/12/03
LABQC	MBLANK	06/12/03
13GLM18S02	WT1233-1	06/12/03
13GLM17D02	WT1233-11	06/12/03
10GLM03S02	WT1233-13	06/12/03
13GLM18I02	WT1233-3	06/12/03
13GLM18D02	WT1233-5	06/12/03
13GLM17I02	WT1233-7	06/12/03
13GLM17I02D	WT1233-9	06/12/03

Parameter: Nitrite As N

QC Batch Id: TE23WL21
Anal Method: EPA 353.2 | Anal Date: 05/21/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/21/03
LABQC	MBLANK	05/21/03
13GLM16S02	WT1187-1	05/21/03
13GLM13I02	WT1187-11	05/21/03
13GLM13S02	WT1187-13	05/21/03
13GLM16I02	WT1187-3	05/21/03
13GLM16I02	WT1187-3 DUP	05/21/03
13GLM16I02	WT1187-3 MS	05/21/03
13GLM16D02	WT1187-5	05/21/03
13GLM7I02	WT1187-7	05/21/03
13GLM17S02	WT1187-9	05/21/03

QC Batch Id: TE26WL2
Anal Method: EPA 353.2 | Anal Date: 05/22/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L
Associated Samples:

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Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-4

Parameter: Nitrite As N

QC Batch Id: TE26WL2
Anal Method: EPA 353.2 | Anal Date: 05/22/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
13GLM18S02	WT1233-1	05/22/03
13GLM17D02	WT1233-11	05/22/03
10GLM03S02	WT1233-13	05/22/03
13GLM18I02	WT1233-3	05/22/03
13GLM18D02	WT1233-5	05/22/03
13GLM17I02	WT1233-7	05/22/03
13GLM17I02	WT1233-7 DUP	05/22/03
13GLM17I02	WT1233-7 MS	05/22/03
13GLM17I02D	WT1233-9	05/22/03

Parameter: Sulfate-Turbidimetric

QC Batch Id: TF16WL4
Anal Method: EPA 375.4 | Anal Date: 06/13/03 | Blank Result: U1.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/13/03
LABQC	MBLANK	06/13/03
13GLM16S02	WT1187-1	06/13/03
13GLM13S02	WT1187-13	06/13/03
13GLM16I02	WT1187-3	06/13/03
13GLM16I02	WT1187-3 MS	06/13/03
13GLM16I02	WT1187-3 MSD	06/13/03
13GLM16D02	WT1187-5	06/13/03
13GLM7I02	WT1187-7	06/13/03
13GLM17S02	WT1187-9	06/13/03
13GLM18S02	WT1233-1	06/13/03
13GLM17D02	WT1233-11	06/13/03
13GLM18I02	WT1233-3	06/13/03
13GLM18D02	WT1233-5	06/13/03

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Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-4

Parameter: Sulfate-Turbidimetric

QC Batch Id: TF16WL4
Anal Method: EPA 375.4 | Anal Date: 06/13/03 | Blank Result: U1.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L

Client Sample ID	Lab Sample ID	Analysis Date
13GLM17I02	WT1233-7	06/13/03
13GLM17I02D	WT1233-9	06/13/03

QC Batch Id: TF17WL7
Anal Method: EPA 375.4 | Anal Date: 06/16/03 | Blank Result: U1.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/16/03
LABQC	MBLANK	06/16/03
10GLM03S02	WT1233-13	06/16/03

QC Batch Id: TF17WL8
Anal Method: EPA 375.4 | Anal Date: 06/16/03 | Blank Result: U1.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/16/03
LABQC	MBLANK	06/16/03
13GLM13I02	WT1187-11	06/16/03

Parameter: Total Organic Carbon

QC Batch Id: TF14WL4
Anal Method: EPA 415.1 | Anal Date: 06/13/03 | Blank Result: I0.5126mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/13/03
LABQC	MBLANK	06/13/03
13GLM16S02	WT1187-1	06/13/03
13GLM13I02	WT1187-11	06/13/03
13GLM13S02	WT1187-13	06/13/03

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Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-4

Parameter: Total Organic Carbon

QC Batch Id: TF14WL4
Anal Method: EPA 415.1 | Anal Date: 06/13/03 | Blank Result: J0.5126mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L

Client Sample ID	Lab Sample ID	Analysis Date
13GLM16I02	WT1187-3	06/13/03
13GLM16D02	WT1187-5	06/13/03
13GLM7I02	WT1187-7	06/13/03
13GLM17S02	WT1187-9	06/13/03
13GLM18S02	WT1233-1	06/13/03
13GLM18I02	WT1233-3	06/13/03
13GLM18D02	WT1233-5	06/13/03
13GLM18D02	WT1233-5 MS	06/13/03

QC Batch Id: TF14WL5
Anal Method: EPA 415.1 | Anal Date: 06/14/03 | Blank Result: J0.4443mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/14/03
LABQC	MBLANK	06/14/03
13GLM17D02	WT1233-11	06/14/03
10GLM03S02	WT1233-13	06/14/03
10GLM03S02	WT1233-13 DUP	06/14/03
10GLM03S02	WT1233-13 MS	06/14/03
13GLM17I02	WT1233-7	06/14/03
13GLM17I02D	WT1233-9	06/14/03

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Quality Control Report

Matrix Spike Report

Company: Tetra Tech NUS, Inc.
Sdg: CTO287-4

Sample	Anal Date	Result	Units	Spike Level	Result	Recovery (%)	Acceptance Range
Parameter: Chloride							
WT1187-3	06/13/03	11	mg/L	50.0	61	99	75-125
Parameter: Cyanide							
WT1233-1	06/02/03	U10	ug/L	100	94.3	94	75-125
Parameter: Nitrate As N							
WT1187-3	05/21/03	U0.050	mg/L	0.500	0.49	101	75-125
WT1233-7	05/22/03	J0.009 8	mg/L	0.500	0.37	*72	75-125
Parameter: Nitrite As N							
WT1187-3	05/21/03	U0.050	mg/L	0.500	0.54	113	80-120
WT1233-7	05/22/03	U0.050	mg/L	0.500	0.44	87	80-120
Parameter: Total Organic Carbon							
WT1233-5	06/13/03	3.4	mg/L	100	100	101	75-125

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Quality Control Report

Matrix Spike Duplicate Report

Company: Tetra Tech NUS, Inc.
Sdg: CTO287-4

Sample	Anal Date	Result	Units	Spike Level MS	Spike Level MSD	Result MS	Result MSD	Recovery (%) MS	Recovery (%) MSD	Range	RPD	Criter (%)
Parameter: Sulfate-Turbidimetric												
WT1187-3	06/13/03	12	mg/L	10.0	10.0	20	21	*73	83	75-125	5	20

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INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	1.33	P
ARSENIC	8.0	1.80	P
CHROMIUM	15	0.57	P
COBALT	30	0.44	P
LEAD	5.0	0.91	P
SELENIUM	10	2.10	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	20.20	P
BARIUM	5.0	0.48	P
BERYLLIUM	5.0	0.31	P
CADMIUM	10	3.66	P
CALCIUM	50	18.70	P
COPPER	25	2.38	P
IRON	100	6.06	P
MAGNESIUM	50	28.20	P
MANGANESE	5.0	0.92	P
NICKEL	40	11.70	P
POTASSIUM	1000	513.00	P
SILVER	15	4.78	P
SODIUM	1000	18.80	P
VANADIUM	25	4.70	P
ZINC	25	1.34	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** D

Instrument Name: LEEMAN MERCURY ANALYZER **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.03	CV

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** F

Instrument Name: AGILENT 7500 ICP-MS **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
THALLIUM	15	0.12	MS

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** TE29ICW1

Matrix: WATER **SDG Name:** CTO287-4

Method: P **Prep Date:** 05/29/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTE29ICW1	LCSWTE29ICW1	0.05	0.05
PBWTE29ICW1	PBWTE29ICW1	0.05	0.05
13GLM16S02	WT1187-001	0.05	0.05
13GLM16I02	WT1187-003	0.05	0.05
13GLM16D02	WT1187-005	0.05	0.05
13GLM7I02	WT1187-007	0.05	0.05
13GLM17S02	WT1187-009	0.05	0.05
13GLM13I02	WT1187-011	0.05	0.05
13GLM13S02	WT1187-013	0.05	0.05

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** TE30ICW0

Matrix: WATER **SDG Name:** CTO287-4

Method: P **Prep Date:** 05/30/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTE30ICW0	LCSWTE30ICW0	0.05	0.05
PBWTE30ICW0	PBWTE30ICW0	0.05	0.05
13GLM18S02	WT1233-001	0.05	0.05
13GLM18I02	WT1233-003	0.05	0.05
13GLM18D02	WT1233-005	0.05	0.05
13GLM17I02	WT1233-007	0.05	0.05
13GLM17I02D	WT1233-009	0.05	0.05
13GLM17D02	WT1233-011	0.05	0.05
10GLM03S02	WT1233-013	0.05	0.05

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** TF09HGW0

Matrix: WATER **SDG Name:** CTO287-4

Method: CV **Prep Date:** 06/09/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTF09HGW0	LCSWTF09HGW0	0.1	0.1
PBWTF09HGW0	PBWTF09HGW0	0.1	0.1
13GLM18S02	WT1233-001	0.1	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: TJA TRACE ICP **File Name:** ATF03B

Date: 6/3/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	12:03	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
S1		1	12:10	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
AL_IEC		1	12:19	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
FE_IEC		1	12:26	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
MN_IEC		1	12:33	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
IEC		1	12:40	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICV		1	12:46	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICB		1	12:53	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
PQL		1	13:00	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CRI		1	13:07	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	13:14	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	13:20	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	13:27	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	13:34	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	14:03				
ZZZZZZ		1	14:10				
ZZZZZZ		1	14:16				
ZZZZZZ		1	14:23				
ZZZZZZ		5	14:30				
ZZZZZZ		1	14:36				
ZZZZZZ		1	14:43				
ZZZZZZ		1	14:50				
ZZZZZZ		1	14:56				
ZZZZZZ		1	15:03				
CCV		1	15:10	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	15:16	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		5	15:23				
ZZZZZZ		5	15:30				
ZZZZZZ		25	15:38				
ZZZZZZ		5	15:45				
ZZZZZZ		5	15:52				
ZZZZZZ		5	15:58				
ZZZZZZ		5	16:05				
ZZZZZZ		5	16:12				
ZZZZZZ		5	16:18				
ZZZZZZ		5	16:25				
CCV		1	16:32	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	16:38	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		5	16:45				
ZZZZZZ		5	16:52				
ZZZZZZ		5	16:58				
ZZZZZZ		5	17:05				
ZZZZZZ		5	17:12				
ZZZZZZ		5	17:19				
PBWTE30ICW0		1	17:25	Sb As	Cr Co	Pb	Se
CRI		1	17:32	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	17:39	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	17:45	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	17:52	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	17:59	Al Sb As	Ca Cr Co	Fe Pb Mg	Se

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: TJA TRACE ICP **File Name:** ATF03B

Date: 6/3/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
LCSWTE30ICW0		1	18:05	Sb As	Cr Co	Pb	Se
ZZZZZZ		1	18:12				
ZZZZZZ		1	18:19				
ZZZZZZ		1	18:25				
ZZZZZZ		1	18:32				
ZZZZZZ		5	18:39				
ZZZZZZ		5	18:46				
ZZZZZZ		1	18:52				
ZZZZZZ		1	18:59				
ZZZZZZ		1	19:06				
CCV		1	19:12	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	19:19	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	19:26				
ZZZZZZ		1	19:33				
ZZZZZZ		1	19:39				
ZZZZZZ		1	19:46				
ZZZZZZ		1	19:53				
ZZZZZZ		1	19:59				
ZZZZZZ		1	20:06				
ZZZZZZ		5	20:13				
ZZZZZZ		1	20:19				
ZZZZZZ		1	20:26				
CCV		1	20:33	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	20:39	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	20:46				
ZZZZZZ		1	20:53				
ZZZZZZ		1	21:00				
ZZZZZZ		1	21:06				
ZZZZZZ		1	21:13				
ZZZZZZ		1	21:20				
ZZZZZZ		1	21:26				
CRI		1	21:33	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	21:40	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	21:46	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	21:53	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	22:00	Al Sb As	Ca Cr Co	Fe Pb Mg	Se

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: TJA TRACE ICP **File Name:** ATF10A

Date: 6/10/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	9:44	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
S1		1	9:51	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
AL_IEC		1	10:01	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
FE_IEC		1	10:07	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
MN_IEC		1	10:14	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
IEC		1	10:21	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICV		1	10:27	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICB		1	10:34	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
PQL		1	10:41	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CRI		1	10:48	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	10:54	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	11:01	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	11:08	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	11:14	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	11:21				
ZZZZZZ		5	11:28				
ZZZZZZ		5	11:36				
ZZZZZZ		5	11:43				
ZZZZZZ		1	11:49				
ZZZZZZ		1	11:56				
ZZZZZZ		5	12:03				
ZZZZZZ		5	12:09				
ZZZZZZ		5	12:16				
ZZZZZZ		5	12:23				
CCV		1	12:30	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	12:36	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	12:43				
ZZZZZZ		1	12:50				
ZZZZZZ		1	12:56				
ZZZZZZ		5	13:03				
ZZZZZZ		1	13:10				
ZZZZZZ		1	13:16				
ZZZZZZ		1	13:23				
CRI		1	13:30	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	13:36	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	13:43	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	13:50	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	13:57	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		20	14:03				
ZZZZZZ		1	14:10				
ZZZZZZ		1	14:17				
ZZZZZZ		1	14:23				
ZZZZZZ		1	14:30				
ZZZZZZ		1	14:37				
ZZZZZZ		1	14:43				
ZZZZZZ		1	14:50				
ZZZZZZ		1	14:57				
ZZZZZZ		1	15:03				
CCV		1	15:10	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	15:17	Al Sb As	Ca Cr Co	Fe Pb Mg	Se

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: TJA TRACE ICP **File Name:** ATF10A

Date: 6/10/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
ZZZZZZ		1	15:23				
ZZZZZZ		1	15:30				
ZZZZZZ		1	15:37				
ZZZZZZ		1	15:44				
ZZZZZZ		1	15:50				
ZZZZZZ		1	15:57				
ZZZZZZ		1	16:04				
CRI		1	16:10	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	16:17	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	16:24	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	16:30	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	16:37	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
WT1233-001	13GLM18S02	1	16:44	Sb As	Cr Co	Pb	Se
WT1233-003	13GLM18I02	1	16:50	As			
WT1233-005	13GLM18D02	1	16:57	As			
WT1233-007	13GLM17I02	1	17:04	As			
WT1233-009	13GLM17I02D	1	17:10	As			
WT1233-011	13GLM17D02	1	17:17	As			
WT1233-013	10GLM03S02	1	17:24	As			
ZZZZZZ		1	17:31				
ZZZZZZ		1	17:37				
ZZZZZZ		1	17:44				
CCV		1	17:51	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	17:57	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	18:04				
ZZZZZZ		10	18:11				
ZZZZZZ		10	18:17				
ZZZZZZ		5	18:24				
ZZZZZZ		50	18:31				
ZZZZZZ		10	18:38				
ZZZZZZ		1	18:44				
CRI		1	18:51	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	18:58	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	19:04	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	19:11	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	19:18	Al Sb As	Ca Cr Co	Fe Pb Mg	Se

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: TJA TRACE ICP **File Name:** ATF11B

Date: 6/11/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	15:09	Al	As	Ca	Fe	Mg
S1		1	15:16	Al	As	Ca	Fe	Mg
AL_IEC		1	15:26	Al	As	Ca	Fe	Mg
FE_IEC		1	15:33	Al	As	Ca	Fe	Mg
IEC		1	15:39	Al	As	Ca	Fe	Mg
ICV		1	15:46	Al	As	Ca	Fe	Mg
ICB		1	15:53	Al	As	Ca	Fe	Mg
PQL		1	16:03	Al	As	Ca	Fe	Mg
CRI		1	16:10	Al	As	Ca	Fe	Mg
ICSA		1	16:16	Al	As	Ca	Fe	Mg
ICSAB		1	16:27	Al	As	Ca	Fe	Mg
CCV		1	16:46	Al	As	Ca	Fe	Mg
CCB		1	16:53	Al	As	Ca	Fe	Mg
ZZZZZZ		1	16:59					
ZZZZZZ		1	17:06					
ZZZZZZ		1	17:13					
ZZZZZZ		1	17:19					
ZZZZZZ		1	17:26					
ZZZZZZ		1	17:33					
WT1187-013	13GLM13S02	1	17:39		As			
ZZZZZZ		1	17:46					
ZZZZZZ		1	17:53					
ZZZZZZ		1	17:59					
CCV		1	18:06	Al	As	Ca	Fe	Mg
CCB		1	18:13	Al	As	Ca	Fe	Mg
ZZZZZZ		1	18:19					
ZZZZZZ		1	18:26					
ZZZZZZ		1	18:33					
ZZZZZZ		1	18:40					
ZZZZZZ		1	18:46					
ZZZZZZ		1	18:53					
ZZZZZZ		1	19:00					
CRI		1	19:06	Al	As	Ca	Fe	Mg
ICSA		1	19:13	Al	As	Ca	Fe	Mg
ICSAB		1	19:20	Al	As	Ca	Fe	Mg
CCV		1	19:26	Al	As	Ca	Fe	Mg
CCB		1	19:33	Al	As	Ca	Fe	Mg

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: TJA TRACE ICP **File Name:** ATF16B

Date: 6/16/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	10:14	Al	As	Ca	Fe	Mg
S1		1	10:20	Al	As	Ca	Fe	Mg
AL_IEC		1	10:30	Al	As	Ca	Fe	Mg
FE_IEC		1	10:37	Al	As	Ca	Fe	Mg
MN_IEC		1	10:44	Al	As	Ca	Fe	Mg
IEC		1	10:50	Al	As	Ca	Fe	Mg
ICV		1	10:57	Al	As	Ca	Fe	Mg
ICB		1	11:04	Al	As	Ca	Fe	Mg
PQL		1	11:11	Al	As	Ca	Fe	Mg
CRI		1	11:17	Al	As	Ca	Fe	Mg
ICSA		1	11:24	Al	As	Ca	Fe	Mg
ICSAB		1	11:33	Al	As	Ca	Fe	Mg
CCV		1	11:39	Al	As	Ca	Fe	Mg
CCB		1	11:46	Al	As	Ca	Fe	Mg
ZZZZZZ		1	11:53					
ZZZZZZ		1	12:00					
ZZZZZZ		1	12:06					
ZZZZZZ		1	12:13					
ZZZZZZ		1	12:20					
PBWTE29ICW1		1	12:26		As			
LCSWTE29ICW1		1	12:33		As			
ZZZZZZ		1	12:40					
ZZZZZZ		1	12:46					
ZZZZZZ		1	12:53					
CCV		1	13:00	Al	As	Ca	Fe	Mg
CCB		1	13:06	Al	As	Ca	Fe	Mg
ZZZZZZ		1	13:13					
ZZZZZZ		1	13:20					
ZZZZZZ		1	13:26					
ZZZZZZ		1	13:33					
WT1187-001	13GLM16S02	1	13:42		As			
WT1187-003	13GLM16I02	1	13:49		As			
WT1187-005	13GLM16D02	1	13:56		As			
WT1187-007	13GLM7I02	1	14:02		As			
WT1187-009	13GLM17S02	1	14:09		As			
WT1187-011	13GLM13I02	1	14:16		As			
CCV		1	14:23	Al	As	Ca	Fe	Mg
CCB		1	14:29	Al	As	Ca	Fe	Mg
ZZZZZZ		1	14:36					
ZZZZZZ		1	14:43					
ZZZZZZ		1	14:49					
ZZZZZZ		1	14:56					
ZZZZZZ		1	15:03					
ZZZZZZ		1	15:14					
ZZZZZZ		1	15:20					
CRI		1	15:27	Al	As	Ca	Fe	Mg
ICSA		1	15:34	Al	As	Ca	Fe	Mg
ICSAB		1	15:40	Al	As	Ca	Fe	Mg
CCV		1	15:50	Al	As	Ca	Fe	Mg
CCB		1	15:56	Al	As	Ca	Fe	Mg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: TJA 61 ICP **File Name:** BTF03A

Date: 6/3/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
S0		1	10:25	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
S1		1	10:32	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
AL IEC		1	10:37	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
FE IEC		1	10:46	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ICV		1	10:54	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ICB		1	11:00	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
PQL		1	11:05	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CRI		1	11:11	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ICSA		1	11:17	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ICSAB		1	11:22	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CCV		1	11:28	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CCB		1	11:33	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ZZZZZZ		1	11:54									
ZZZZZZ		1	11:59									
ZZZZZZ		5	12:05									
ZZZZZZ		1	12:11									
ZZZZZZ		1	12:16									
ZZZZZZ		5	12:22									
ZZZZZZ		1	12:27									
ZZZZZZ		1	12:33									
ZZZZZZ		1	12:39									
ZZZZZZ		1	12:44									
CCV		1	12:50	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CCB		1	12:56	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ZZZZZZ		1	13:01									
ZZZZZZ		1	13:07									
ZZZZZZ		1	13:13									
PBWTE30ICW0		1	13:18	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
LCSWTE30ICW0		1	13:24	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ZZZZZZ		1	13:29									
CRI		1	13:35	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ICSA		1	13:41	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ICSAB		1	13:46	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CCV		1	13:52	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CCB		1	13:58	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ZZZZZZ		1	14:17									
ZZZZZZ		5	14:22									
ZZZZZZ		1	14:28									
ZZZZZZ		1	14:34									
ZZZZZZ		1	14:39									
ZZZZZZ		1	14:45									
ZZZZZZ		1	14:50									
ZZZZZZ		1	14:56									
ZZZZZZ		1	15:02									
ZZZZZZ		2	15:07									
CCV		1	15:16	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CCB		1	15:22	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
PBWTE29ICW1		1	15:27			Ca		Mg Mn	K	Na		
LCSWTE29ICW1		1	15:33			Ca		Mg Mn	K	Na		
ZZZZZZ		1	15:39									

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: TJA 61 ICP **File Name:** BTF03A

Date: 6/3/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
ZZZZZZ		5	15:44										
ZZZZZZ		1	15:50										
ZZZZZZ		1	15:56										
WT1187-001	13GLM16S02	1	16:01			Ca		Mg Mn		K	Na		
WT1187-003	13GLM16I02	1	16:07			Ca		Mg Mn		K	Na		
WT1187-005	13GLM16D02	1	16:13			Ca		Mg Mn		K	Na		
WT1187-007	13GLM7I02	1	16:18			Ca		Mg Mn		K	Na		
CCV		1	16:24	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCB		1	16:29	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CRI		1	16:35	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
ICSA		1	16:41	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
ICSAB		1	16:46	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCV		1	16:52	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCB		1	16:58	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
WT1187-009	13GLM17S02	1	17:03			Ca		Mg Mn		K	Na		
WT1187-011	13GLM13I02	1	17:09			Ca		Mg Mn		K	Na		
WT1187-013	13GLM13S02	1	17:15			Ca		Mg Mn		K	Na		
ZZZZZZ		1	17:20										
ZZZZZZ		1	17:26										
ZZZZZZ		1	17:32										
ZZZZZZ		1	17:37										
WT1233-001	13GLM18S02	1	17:43	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCV		1	17:48	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCB		1	17:54	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
WT1233-003	13GLM18I02	1	18:00			Ca		Mg Mn		K	Na		
WT1233-005	13GLM18D02	1	18:05			Ca		Mg Mn		K	Na		
WT1233-007	13GLM17I02	1	18:11			Ca		Mg Mn		K	Na		
WT1233-009	13GLM17I02D	1	18:17			Ca		Mg Mn		K	Na		
WT1233-011	13GLM17D02	1	18:22			Ca		Mg Mn		K	Na		
WT1233-013	10GLM03S02	1	18:28			Ca		Mg Mn		K	Na		
ZZZZZZ		1	18:34										
ZZZZZZ		1	18:39										
ZZZZZZ		5	18:45										
ZZZZZZ		1	18:50										
CCV		1	18:56	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCB		1	19:02	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
ZZZZZZ		1	19:07										
ZZZZZZ		1	19:13										
ZZZZZZ		1	19:19										
CRI		1	19:24	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
ICSA		1	19:30	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
ICSAB		1	19:36	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCV		1	19:41	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCB		1	19:47	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: LEEMAN MERCURY AN **File Name:** DTF10B

Date: 6/10/03 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Std1			12:38	Hg
Std2			12:41	Hg
Std3			12:44	Hg
Std4			12:47	Hg
Std5			12:50	Hg
Std6			12:54	Hg
ICV		1	12:57	Hg
ICB		1	13:01	Hg
CRA		1	13:04	Hg
LCSWTF09HGW0		1	13:07	Hg
PBWTF09HGW0		1	13:11	Hg
WT1233-001	13GLM18S02	1	13:14	Hg
ZZZZZZ		1	13:17	
ZZZZZZ		1	13:19	
ZZZZZZ		1	13:22	
ZZZZZZ		1	13:25	
ZZZZZZ		1	13:29	
ZZZZZZ		1	13:32	
CCV		1	13:35	Hg
CCB		1	13:39	Hg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FTF05A

Date: 6/5/03 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements						
Cal Blank		1	14:09	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 1		1	14:16	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 2		1	14:24	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 3		1	14:32	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 4		1	14:40	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	14:47	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICV		1	14:55	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICB		1	15:03	Al	Ca	Fe	Mg	Mo	K	Na	Tl
PQL		1	15:10	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		1	15:18								
Blank		1	15:26	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CRI		5	15:34	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSA		1	15:41	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSAB		1	15:49	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	15:57	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCV		1	16:05	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	16:12	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	16:20								
ZZZZZZ		10	16:28								
ZZZZZZ		1	16:35								
ZZZZZZ		5	16:43								
PBWTE30ICW0		5	16:51								Tl
LCSWTE30ICW0		10	16:59								Tl
ZZZZZZ		1	17:06								
ZZZZZZ		5	17:14								
ZZZZZZ		5	17:22								
ZZZZZZ		5	17:30								
CCV		1	17:38	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	17:45	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		10	17:53								
ZZZZZZ		1	18:01								
ZZZZZZ		5	18:09								
ZZZZZZ		5	18:16								
ZZZZZZ		10	18:24								
ZZZZZZ		1	18:32								
ZZZZZZ		5	18:40								
ZZZZZZ		5	18:47								
ZZZZZZ		20	18:55								
ZZZZZZ		100	19:03								
CCV		1	19:11	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	19:18	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		20	19:26								
ZZZZZZ		20	19:34								
ZZZZZZ		1	19:42								
ZZZZZZ		20	19:50								
ZZZZZZ		20	19:57								
ZZZZZZ		20	20:05								
ZZZZZZ		20	20:13								
ZZZZZZ		20	20:21								
ZZZZZZ		5	20:28								

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FTF05A

Date: 6/5/03 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements						
ZZZZZZ		10	20:36							
CCV		1	20:44	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	20:52	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		20	20:59							
ZZZZZZ		20	21:07							
ZZZZZZ		20	21:15							
ZZZZZZ		20	21:23							
ZZZZZZ		20	21:30							
ZZZZZZ		100	21:38							
CRI		5	21:46	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSA		1	21:54	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSAB		1	22:01	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	22:09	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCV		1	22:17	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	22:25	Al	Ca	Fe	Mg	Mo	K	Na	Tl

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FTF06A

Date: 6/6/03 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements						
Cal Blank		1	15:41	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 1		1	15:49	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 2		1	15:57	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 3		1	16:04	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 4		1	16:12	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	16:20	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICV		1	16:27	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICB		1	16:35	Al	Ca	Fe	Mg	Mo	K	Na	Tl
PQL		1	16:43	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		1	16:51								
Blank		1	16:58	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CRI		5	17:06	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSA		1	17:14	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSAB		1	17:21	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	17:29	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCV		1	17:37	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	17:45	Al	Ca	Fe	Mg	Mo	K	Na	Tl
WT1233-001	13GLM18S02	5	17:52								Tl
ZZZZZZ		5	18:00								
ZZZZZZ		25	18:08								
ZZZZZZ		10	18:16								
ZZZZZZ		10	18:23								
ZZZZZZ		10	18:31								
ZZZZZZ		1	18:39								
ZZZZZZ		5	18:47								
ZZZZZZ		5	18:54								
ZZZZZZ		5	19:02								
CCV		1	19:10	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	19:18	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	19:25								
ZZZZZZ		5	19:33								
ZZZZZZ		10	19:41								
ZZZZZZ		5	19:49								
ZZZZZZ		5	19:56								
ZZZZZZ		10	20:04								
ZZZZZZ		10	20:12								
ZZZZZZ		10	20:20								
ZZZZZZ		1	20:27								
ZZZZZZ		5	20:35								
CCV		1	20:43	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	20:51	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		25	20:59								
ZZZZZZ		5	21:06								
ZZZZZZ		5	21:14								
ZZZZZZ		5	21:22								
ZZZZZZ		25	21:30								
ZZZZZZ		10	21:37								
ZZZZZZ		10	21:45								
ZZZZZZ		1	21:53								
ZZZZZZ		5	22:01								

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-4

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FTF06A

Date: 6/6/03 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements							
ZZZZZZ		5	22:08								
CCV		1	22:16	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	22:24	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	22:32								
ZZZZZZ		5	22:40								
ZZZZZZ		5	22:47								
ZZZZZZ		25	22:55								
ZZZZZZ		5	23:03								
ZZZZZZ		5	23:11								
CRI		5	23:18	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSA		1	23:26	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSAB		1	23:34	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		1	23:42								
CCV		1	23:49	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	23:57	Al	Ca	Fe	Mg	Mo	K	Na	Tl

FORM XIV - IN

FIELD DUPLICATE PRECISION

ANALYTE	13GLM17I02D	13GLM17I02	RPD	DIFFERENCE
Arsenic	7.3	6.9	5.63	0.4
Calcium	1010	1070	5.77	60
Magnesium	1310	1360	3.75	50
Manganese	15.5	16	3.17	0.5
Potassium	2490	2710	8.46	220
Sodium	4510	4770	5.60	260
Chloride	9.4	9.5	1.06	0.1
Nitrate	0.0081	0.0098	18.99	0.0017
Nitrite	.05U	.05U	#VALUE!	#VALUE!
Nitrite/Nitrate	0.15	0.2	28.57	0.05
Sulfate	9.6	10	4.08	0.4
Total Organic Carbon	5	4.6	8.33	0.4

Elem	2203/2	1960/1	1960/2
Units			
Avge	-.00070	.00055	.00157
SDev	.00017	.00062	.00216
%RSD	24.843	113.00	137.45
#1	-.00057	.00099	.00310
#2	-.00082	.00011	.00004

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	360.063	--	--	--	--	--	--
Avge	69834	--	--	--	--	--	--
SDev	109.6016	--	--	--	--	--	--
%RSD	.1569447	--	--	--	--	--	--
#1	69912	--	--	--	--	--	--
#2	69757	--	--	--	--	--	--

Method: NONAK Sample Name: WT1187-011 Operator:
Run Time: 06/16/03 14:16:18 Sample: 13GLM13I02
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	.51593	.01767	.00543	-.00039	.02620	-.00019	1.9908
SDev	.01516	.00134	.00004	.00013	.00018	.00001	.0228
%RSD	2.9389	7.5705	.72483	33.794	.69864	7.1140	1.1446
#1	.50521	.01862	.00546	-.00030	.02633	-.00018	1.9747
#2	.52666	.01672	.00540	-.00048	.02607	-.00020	2.0070

Elem	Cr	Co	Cu	Fe	Mg	Mn	Mo
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00154	.00008	.00999	.39797	1.2128	.02458	.00613
SDev	.00071	.00075	.00034	.00914	.0096	.00027	.00027
%RSD	46.245	919.78	3.4223	2.2953	.78749	1.1140	4.4326
#1	.00204	.00061	.00975	.39151	1.2061	.02439	.00594
#2	.00103	-.00045	.01023	.40443	1.2196	.02478	.00633

Elem	Ni	Ag	Sr	Tl	Sn	Ti	V
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00306	-.00020	.01219	.00018	.00066	.00428	.03975
SDev	.00006	.00059	.00011	.00181	.00095	.00028	.00050
%RSD	2.1246	299.85	.89026	1000.8	143.19	6.5301	1.2474
#1	.00302	.00022	.01211	-.00110	.00133	.00408	.03939
#2	.00311	-.00061	.01226	.00146	-.00001	.00448	.04010

Elem	Zn	Pb	Se	Sb	2068/1	2068/2	2203/1
Units	mg/L	mg/L	mg/L	mg/L			
Avge	.08176	.00141	.00344	.00033	-.00037	.00051	.00248
SDev	.00118	.00013	.00012	.00008	.00192	.00108	.00251

0.01767 mg/L x 1000 = 17.7 µg/L ✓

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**AUGUST 13, 2003**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOC/OVG/SVOC/PEST/PCB/PAH**
CTO 287, PANAMA CITY
SDG 2874

SAMPLES: 16/Aqueous

10GLM03S02	13GLM13I02	13GLM13S02
13GLM16D02	13GLM16I02	13GLM16S02
13GLM17D02	13GLM17I02	13GLM17I02D
13GLM17S02	13GLM18D02	13GLM18I02
13GLM18S02	13GLM7I02	13TL051903*
13TL052003*		

OVERVIEW

The sample set for CTO 287 CSS Panama City, SDG 2874 consists of thirteen (13) environmental aqueous samples, one (1) field duplicate, and two (2) trip blanks. All environmental aqueous samples were analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), organic volatile gases (OVG), and polynuclear aromatic hydrocarbons (PAH). Sample 13GLM18S02 was also analyzed for pesticides (PEST) and polychlorinated biphenyls (PCB). The trip blanks denoted with an asterisk (*) were analyzed for VOC only. The field duplicate pair included in this SDG is 13GLM17I02 and 13GLM17I02D.

The samples were collected by Tetra Tech NUS on May 19 and 20, 2003 and analyzed by Katahdin Analytical Services and Air Toxics. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B, 8270C, 8270 SIM, 8081A, 8082, and RSK 147/175 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 and system performance
- Initial/continuing calibrations
- Laboratory method and field quality control blank results
- Surrogate spike recoveries
- Blank Spike/Blank Spike Duplicate Results
- * Matrix Spike/Matrix Spike Duplicate Results
- Internal Standard Performance
- * Field Duplicate Precision
- * Compound Identification
- * Compound Quantitation
- * Detection Limits

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

Volatile

Both initial calibrations did not include methylcyclohexane, cyclohexane, and methyl acetate. All results for the aforementioned compounds were rejected (UR).

The continuing calibration performed on June 2 at 17:33 was below the 0.05 relative response factor (RRF) quality control criteria for acetone and 2-butanone. The results for acetone and 2-butanone were rejected (UR) in sample 13GLM17S02.

The continuing calibration performed on June 2 at 17:33 exceeded the 25% difference quality control criteria for bromomethane, 2-hexanone, acetone and 2-butanone. The results for bromomethane and 2-hexanone were qualified as estimated (UJ) in sample 13GLM17S02. No qualifications were made to acetone and 2-butanone on this basis because they were rejected for RRF non-compliance.

The continuing calibration performed on June 2 at 16:32 was below the 0.05 RRF quality control criteria for acetone, 2-butanone, cyclohexane, and 1,2-dichloroethane. The results for the aforementioned compounds were rejected (UR) in samples 13GLM13S02, 13GLM13I02, 13GLM7I02, 13GLM16D02, 13GLM16I02, 13GLM16S02, and 13TL051903.

The continuing calibration performed on June 2 at 16:32 exceeded the 25% difference quality control criteria for chloromethane, vinyl chloride, bromomethane, carbon disulfide, acetone, 1,1-dichloroethane, 2-butanone, cyclohexane, 1,2-dichloroethane, 1,2-dichloropropane, 4-methyl-2-pentanone, 2-hexanone, and isopropylbenzene. The results for the aforementioned compounds except acetone, 2-butanone, cyclohexane, and 1,2-dichloroethane were qualified as estimated (J, UJ) in samples 13GLM13S02, 13GLM13I02, 13GLM7I02, 13GLM16D02, 13GLM16I02, 13GLM16S02, and 13TL051903. Acetone, 2-butanone, cyclohexane, and 1,2-dichloroethane were not qualified on this basis because they were rejected for RRF non-compliance.

The continuing calibration performed on June 3 at 09:25 exceeded the 25% difference quality control criteria for chloromethane, bromomethane, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone. The results for the aforementioned compounds were qualified as estimated (UJ) in samples 10GLM03S02, 13GLM18S02, 13GLM18I02, 13GLM18D02, 13GLM17I02, 13GLM17I02D, 13GLM17D02, and 13TL052003.

The following compound was detected in the volatile method blank:

Compound	Maximum Concentration	Blank Action Level
Methylene Chloride	1.0 µg/L	10 µg/L

Sample aliquot and dilution factors were taken into consideration when applying the blank action levels. No qualifications were made on this basis because all results for methylene chloride were non-detected.

Surrogate 3 (toluene-d8) recovery was below the quality control criteria in sample 13GLM17I02D. No qualifications were made on this basis because the recovery was 81% which was only 1% below the criteria.

The percent recovery of bromomethane was below the quality control criteria in the blank spike WG2517-

LCS. The results for bromomethane were qualified as estimated (UJ) in sample 13GLM17S02.

The percent recoveries of carbon disulfide, 1,1-dichloroethane, 2-butanone, benzene, 1,2-dichloropropane, 4-methyl-2-pentanone, isopropylbenzene, and 1,1,2,2-tetrachloroethane were below the quality control criteria in the blank spike WG2495-LCS. The results for the aforementioned compounds except 2-butanone were qualified as estimated (J, UJ) in samples 13GLM13S02, 13GLM13I02, 13GLM7I02, 13GLM16D02, 13GLM16I02, 13GLM16S02, and 13TL051903. No qualifications were made to 2-butanone on this basis because the results for 2-butanone were rejected for RRF non-compliance.

The percent recoveries of chloromethane, carbon disulfide, 1,1-dichloroethane, benzene, 1,2-dichloropropane, 4-methyl-2-pentanone, and 1,1,2,2-tetrachloroethane were below the quality control criteria in the blank spike WG2510-LCS. The results for the aforementioned compounds were qualified as estimated (J, UJ) in samples 13GLM18S02, 13GLM18I02, 13GLM18D02, 13GLM17I02, 13GLM17I02D, 13GLM17D02, 10GLM03S02, and 13TL052003.

The percent recoveries of dichlorodifluoromethane, chloromethane, vinyl chloride, acetone, 2-butanone, 2-hexanone, and isopropylbenzene were below the quality control criteria in the MS/MSD of sample 13GLM18S02. The results for the aforementioned compounds were qualified as estimated (UJ) in sample 13GLM18S02.

The percent recoveries of cyclohexane and 1,2-dichloroethane were <10% in the MS/MSD of sample 13GLM18S02. The results for the aforementioned compounds were rejected (UR) in sample 13GLM18S02.

Semivolatile

Samples 10GLM03S02, 13GLM17D02, 13GLM17I02, 13GLM17I02D, 13GLM18D02, 13GLM18I02, and 13GLM18S02 were extracted outside of holding time. All results for the aforementioned compounds were qualified as estimated (J, UJ).

The continuing calibration performed on June 20 at 09:45 exceeded the 25% difference quality control criteria for 2,4-dinitrophenol, benzaldehyde, atrazine, and 4,6-dinitro-2-methylphenol. The results for the aforementioned compounds were qualified as estimated (UJ) in samples 13GLM16S02, 13GLM16D02, 13GLM16I02, and 13GLM7I02.

The continuing calibration performed on June 21 at 14:54 exceeded the 25% difference quality control criteria for benzaldehyde, 2,4-dinitrophenol, 2,4-dinitrotoluene, atrazine, and 4,6-dinitro-2-methylphenol. The results for the aforementioned compounds were qualified as estimated (UJ) in sample 13GLM13S02.

The continuing calibration performed on June 23 at 12:07 exceeded the 25% difference quality control criteria for benzaldehyde, 2,4-dinitrophenol, atrazine, and 4,6-dinitro-2-methylphenol. The results for the aforementioned compounds were qualified as estimated (UJ) in samples 13GLM13I02 and 13GLM17S02.

The continuing calibration performed on June 24 at 17:53 exceeded the 25% difference quality control criteria for benzaldehyde, 2,4-dinitrophenol, atrazine, and 4,6-dinitro-2-methylphenol. The results for the aforementioned compounds were qualified as estimated (UJ) in samples 13GLM18S02, 13GLM18I02, and 13GLM18D02.

The continuing calibration performed on June 25 at 12:26 exceeded the 25% difference quality control criteria for 2,2'-oxybis(1-chloropropane), N-nitroso-di-n-propylamine, carbazole, acetophenone, benzaldehyde, 2,4-dinitrophenol, atrazine, and 4,6-dinitro-2-methylphenol. The results for the aforementioned compounds were qualified as estimated (UJ) in samples 13GLM17I02, 13GLM17I02D, 13GLM17D02, and 10GLM03S02.

The blank spike and blank spike duplicate of sample WG2418 exceeded the percent recovery quality control criteria for 2,4-dinitrotoluene. No qualifications were made on this basis because all results for the aforementioned compounds were non-detected.

The blank spike and blank spike duplicate of sample WG2418 exceeded the relative percent difference (RPD) quality control criteria for 2,4-dinitrophenol. No qualifications were made on this basis because both percent recoveries were compliant.

PAH

Sample 13GLM18D02 exceeded the linear calibration range of the instrument for naphthalene. The sample was re-analyzed at a 2X dilution. The result for naphthalene from the diluted analyses was transposed to the un-diluted analyses and used for validation.

The continuing calibration performed on June 16 at 16:09 exceeded the 25% difference quality control criteria for phenanthrene. The results for the aforementioned compounds were qualified as estimated (J, UJ) in samples 13GLM16I02, 13GLM16S02, 13GLM16D02, 13GLM17S02, 13GLM7I02, and 13GLM13I02.

The continuing calibration performed on July 2 at 11:38 exceeded the 25% difference quality control criteria for chrysene. No qualifications were made on this basis because no results for chrysene were quantitated using this calibration.

The blank spike/blank spike duplicate exceeded the laboratory's relative percent difference (RPD) quality control criteria for indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene. No qualifications were made on this basis because both percent recoveries were compliant.

Pesticides

The continuing calibration analyzed on June 11 at 18:56 exceeded the 15 %D quality control criteria for 4,4'-DDD on the RTX-CLPI column. No action was taken because the RTX-CLPII was compliant.

The continuing calibration analyzed on June 11 at 22:59 exceeded the 15 %D quality control criteria for delta-BHC, 4,4'-DDD and methoxychlor on the RTX-CLPI column. No action was taken because the RTX-CLPII was compliant.

The surrogate tetrachloro-m-xylene was below the percent recovery quality control criteria on both columns in the method blank, LCSD, and sample 13GLM18S02. All results were qualified as estimated (UJ) in sample 13GLM18S02.

The percent recoveries of all pesticides were below the laboratory's quality control criteria in the LCSD. The RPD of all pesticides also exceeded the quality control criteria in the LCS/LCSD. No qualifications were made on this basis because the LCS was compliant. The low recoveries are attributed to the poor surrogate performance.

PCB

The surrogate decachlorobiphenyl was below the percent recovery quality control criteria on both columns in sample 03GLM18S02. All results were qualified as estimated (UJ) in sample 13GLM18S02.

Organic Volatile Gases

The units on the Form I's don't match the EDD. The results on the Form I's are reported as ug/mL and the EDD is reported as ug/L. The validator corrected the results in the database to show the correct converted value in ug/L.

Additional Comments

Positive results reported below the Reporting Limit (RL) were qualified as estimated, (J).

EXECUTIVE SUMMARY

Laboratory Performance Issues: Qualifications were made based on calibration non-compliances, method blank contamination, and blank spike non-compliances.

Other Factors Affecting Data Quality: Qualifications were made based on internal standard non-compliances, MS/MSD non-compliances, and surrogate recovery non-compliances.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines "Navy Installation Restoration Program Laboratory Quality Assurance Guide" (February, 1996). The text of this report has been formulated to address only those problem areas affecting data quality.

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

Bernard F Spada III

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

Edward Sedlmyer /for

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % 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 (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; i.e.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 less than sample activity

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	10GLM03S02
samp_date	5/20/2003
lab_id	WT1233-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	UJ	E
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	UJ	E
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	U	
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	E
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	CE
CIS-1,2-DICHLOROETHENE	5	U	

nsample	10GLM03S02
samp_date	5/20/2003
lab_id	WT1233-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM13I02
samp_date	5/19/2003
lab_id	WT1187-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	UJ	E
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	UR	C
1,2-DICHLOROPROPANE	5	UJ	CE
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UR	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	UR	C
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	0.5	J	CEP
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	C
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM13I02
samp_date	5/19/2003
lab_id	WT1187-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	UJ	CE
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	1	J	P
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM13S02
samp_date	5/19/2003
lab_id	WT1187-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	UJ	CE
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	UR	C
1,2-DICHLOROPROPANE	5	UJ	CE
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UR	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	UR	C
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	CE
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	C
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM13S02
samp_date	5/19/2003
lab_id	WT1187-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	UJ	CE
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM16D02
samp_date	5/19/2003
lab_id	WT1187-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	UJ	CE
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	UR	C
1,2-DICHLOROPROPANE	5	UJ	CE
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UR	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	UR	C
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	CE
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	C
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM16D02
samp_date	5/19/2003
lab_id	WT1187-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	UJ	CE
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM16I02
samp_date	5/19/2003
lab_id	WT1187-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	1	J	CEP
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	UR	C
1,2-DICHLOROPROPANE	5	UJ	CE
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UR	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	UR	C
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	CE
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	C.
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM16I02
samp_date	5/19/2003
lab_id	WT1187-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	UJ	CE
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	0.2	J	P
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM16S02
samp_date	5/19/2003
lab_id	WT1187-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	UJ	CE
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	UR	C
1,2-DICHLOROPROPANE	5	UJ	CE
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UR	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	UR	C
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	CE
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	C
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM16S02
samp_date	5/19/2003
lab_id	WT1187-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	UJ	CE
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM17D02	nsample	13GLM17D02	nsample	13GLM17I02
samp_date	5/20/2003	samp_date	5/20/2003	samp_date	5/20/2003
lab_id	WT1233-11	lab_id	WT1233-11	lab_id	WT1233-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	12	J	E
1,1-DICHLOROETHENE	4	J	P
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	UJ	E
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	U	
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	E
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	CE
CIS-1,2-DICHLOROETHENE	0.5	J	P

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	9	J	E
1,1-DICHLOROETHENE	5	J	P
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	UJ	E
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	U	
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	E
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	CE
CIS-1,2-DICHLOROETHENE	0.9	J	P

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM17I02
samp_date	5/20/2003
lab_id	WT1233-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM17I02D
samp_date	5/20/2003
lab_id	WT1233-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM17I02

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	9	J	E
1,1-DICHLOROETHENE	4	J	P
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	UJ	E
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	U	
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	E
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	CE
CIS-1,2-DICHLOROETHENE	0.8	J	P

nsample	13GLM17I02D
samp_date	5/20/2003
lab_id	WT1233-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM17I02

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM17S02
samp_date	5/19/2003
lab_id	WT1187-9
qc_type	NM
units	UG/L
Pct_Solids	0
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	4	J	P
1,1-DICHLOROETHENE	1	J	P
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	5	UR	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UR	C
BENZENE	0.3	J	P
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	CE
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM17S02
samp_date	5/19/2003
lab_id	WT1187-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM18D02
samp_date	5/20/2003
lab_id	WT1233-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	2	J	EP
1,1-DICHLOROETHENE	3	J	P
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	UJ	E
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	U	
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	E
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	CE
CIS-1,2-DICHLOROETHENE	0.9	J	P

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM18D02
samp_date	5/20/2003
lab_id	WT1233-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM18I02
samp_date	5/20/2003
lab_id	WT1233-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	UJ	E
1,1-DICHLOROETHENE	2	J	P
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	UJ	E
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	U	
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	E
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	CE
CIS-1,2-DICHLOROETHENE	0.5	J	P

nsample	13GLM18I02
samp_date	5/20/2003
lab_id	WT1233-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM18S02
samp_date	5/20/2003
lab_id	WT1233-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	UJ	E
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	UR	D
1,2-DICHLOROPROPANE	5	UJ	E
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	CD
2-HEXANONE	5	UJ	CD
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	UJ	D
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	E
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	E
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM18S02
samp_date	5/20/2003
lab_id	WT1233-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	CD
DICHLORODIFLUOROMETHANE	5	UJ	D
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	UJ	D
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	UJ	D

nsample	13GLM7I02
samp_date	5/19/2003
lab_id	WT1187-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	UJ	CE
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	UR	C
1,2-DICHLOROPROPANE	5	UJ	CE
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UR	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	UR	C
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	CE
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	C
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM7I02
samp_date	5/19/2003
lab_id	WT1187-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	UJ	CE
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13TL051903
samp_date	5/19/2003
lab_id	WT1187-15
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	UJ	CE
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	UR	C
1,2-DICHLOROPROPANE	5	UJ	CE
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UR	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	UR	C
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	CE
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	C
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13TL051903
samp_date	5/19/2003
lab_id	WT1187-15
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	UJ	CE
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	UJ	C

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SDG: 2874 MEDIA: WATER DATA FRACTION: OV

nsample	13TL052003	nsample	13TL052003
samp_date	5/20/2003	samp_date	5/20/2003
lab_id	WT1233-15	lab_id	WT1233-15
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	UJ	E
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	UJ	E
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	UJ	E
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	UJ	C
4-METHYL-2-PENTANONE	5	UJ	CE
ACETONE	5	U	
BENZENE	5	UJ	E
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	UJ	C
CARBON DISULFIDE	5	UJ	E
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	UJ	CE
CIS-1,2-DICHLOROETHENE	5	U	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	UR	C
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UR	C
METHYL CYCLOHEXANE	5	UR	C
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OVG

nsample	10GLM03S02
samp_date	5/20/2003
lab_id	0305459-04A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

nsample	13GLM13I02
samp_date	5/19/2003
lab_id	0305459-13A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	13		

nsample	13GLM13S02
samp_date	5/19/2003
lab_id	0305459-14A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	13		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM16D02
samp_date	5/19/2003
lab_id	0305459-08A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	440		

nsample	13GLM16I02
samp_date	5/19/2003
lab_id	0305459-10A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	160		

nsample	13GLM16S02
samp_date	5/19/2003
lab_id	0305459-09A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	120		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM17D02	nsample	13GLM17I02	nsample	13GLM17I02D
samp_date	5/20/2003	samp_date	5/20/2003	samp_date	5/20/2003
lab_id	0305459-02A	lab_id	0305459-06A	lab_id	0305459-03A
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	13GLM17I02

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	430		

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	380		

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	390		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM17S02
samp_date	5/19/2003
lab_id	0305459-11A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	220		

nsample	13GLM18D02
samp_date	5/20/2003
lab_id	0305459-01A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	24		

nsample	13GLM18I02
samp_date	5/20/2003
lab_id	0305459-07A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM18S02	nsample	13GLM7I02
samp_date	5/20/2003	samp_date	5/19/2003
lab_id	0305459-05A	lab_id	0305459-12A
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	34		

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OS

nsample	10GLM03S02	nsample	10GLM03S02	nsample	13GLM13I02
samp_date	5/20/2003	samp_date	5/20/2003	samp_date	5/19/2003
lab_id	WT1233-13RA	lab_id	WT1233-13RA	lab_id	WT1187-11
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	UJ	H
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	CH
2,4,5-TRICHLOROPHENOL	25	UJ	H
2,4,6-TRICHLOROPHENOL	10	UJ	H
2,4-DICHLOROPHENOL	10	UJ	H
2,4-DIMETHYLPHENOL	10	UJ	H
2,4-DINITROPHENOL	25	UJ	CH
2,4-DINITROTOLUENE	10	UJ	H
2,6-DINITROTOLUENE	10	UJ	H
2-CHLORONAPHTHALENE	10	UJ	H
2-CHLOROPHENOL	10	UJ	H
2-METHYLPHENOL	10	UJ	H
2-NITROANILINE	25	UJ	H
2-NITROPHENOL	10	UJ	H
3,3'-DICHLOROBENZIDINE	10	UJ	H
3-NITROANILINE	25	UJ	H
4,6-DINITRO-2-METHYLPHENOL	25	UJ	CH
4-BROMOPHENYL PHENYL ETHER	10	UJ	H
4-CHLORO-3-METHYLPHENOL	10	UJ	H
4-CHLOROANILINE	10	UJ	H
4-CHLOROPHENYL PHENYL ETHER	10	UJ	H
4-METHYLPHENOL	10	UJ	H
4-NITROANILINE	25	UJ	H
4-NITROPHENOL	25	UJ	H
ACETOPHENONE	10	UJ	CH
ATRAZINE	10	UJ	CH
BENZALDEHYDE	10	UJ	CH
BIS(2-CHLOROETHOXY)METHANE	10	UJ	H
BIS(2-CHLOROETHYL)ETHER	10	UJ	H
BIS(2-ETHYLHEXYL)PHTHALATE	10	UJ	H

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	UJ	H
CAPROLACTAM	10	UJ	H
CARBAZOLE	10	UJ	CH
DIBENZOFURAN	10	UJ	H
DIETHYL PHTHALATE	10	UJ	H
DIMETHYL PHTHALATE	10	UJ	H
DI-N-BUTYL PHTHALATE	10	UJ	H
DI-N-OCTYL PHTHALATE	10	UJ	H
HEXACHLOROBENZENE	10	UJ	H
HEXACHLOROBUTADIENE	10	UJ	H
HEXACHLOROCYCLOPENTADIENE	10	UJ	H
HEXACHLOROETHANE	10	UJ	H
ISOPHORONE	10	UJ	H
NITROBENZENE	10	UJ	H
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	CH
N-NITROSODIPHENYLAMINE	10	UJ	H
PENTACHLOROPHENOL	25	UJ	H
PHENOL	10	UJ	H

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM13I02
samp_date	5/19/2003
lab_id	WT1187-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM13S02
samp_date	5/19/2003
lab_id	WT1187-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	UJ	C
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM13S02
samp_date	5/19/2003
lab_id	WT1187-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM16D02	nsample	13GLM16D02	nsample	13GLM16I02
samp_date	5/19/2003	samp_date	5/19/2003	samp_date	5/19/2003
lab_id	WT1187-5	lab_id	WT1187-5	lab_id	WT1187-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM16I02	nsample	13GLM16S02	nsample	13GLM16S02
samp_date	5/19/2003	samp_date	5/19/2003	samp_date	5/19/2003
lab_id	WT1187-3	lab_id	WT1187-1	lab_id	WT1187-1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM17D02
samp_date	5/20/2003
lab_id	WT1233-11RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	UJ	H
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	CH
2,4,5-TRICHLOROPHENOL	25	UJ	H
2,4,6-TRICHLOROPHENOL	10	UJ	H
2,4-DICHLOROPHENOL	10	UJ	H
2,4-DIMETHYLPHENOL	10	UJ	H
2,4-DINITROPHENOL	25	UJ	CH
2,4-DINITROTOLUENE	10	UJ	H
2,6-DINITROTOLUENE	10	UJ	H
2-CHLORONAPHTHALENE	10	UJ	H
2-CHLOROPHENOL	10	UJ	H
2-METHYLPHENOL	10	UJ	H
2-NITROANILINE	25	UJ	H
2-NITROPHENOL	10	UJ	H
3,3'-DICHLOROBENZIDINE	10	UJ	H
3-NITROANILINE	25	UJ	H
4,6-DINITRO-2-METHYLPHENOL	25	UJ	CH
4-BROMOPHENYL PHENYL ETHER	10	UJ	H
4-CHLORO-3-METHYLPHENOL	10	UJ	H
4-CHLOROANILINE	10	UJ	H
4-CHLOROPHENYL PHENYL ETHER	10	UJ	H
4-METHYLPHENOL	10	UJ	H
4-NITROANILINE	25	UJ	H
4-NITROPHENOL	25	UJ	H
ACETOPHENONE	10	UJ	H
ATRAZINE	10	UJ	CH
BENZALDEHYDE	10	UJ	CH
BIS(2-CHLOROETHOXY)METHANE	10	UJ	H
BIS(2-CHLOROETHYL)ETHER	10	UJ	H
BIS(2-ETHYLHEXYL)PHTHALATE	10	UJ	H

nsample	13GLM17D02
samp_date	5/20/2003
lab_id	WT1233-11RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	UJ	H
CAPROLACTAM	10	UJ	H
CARBAZOLE	10	UJ	CH
DIBENZOFURAN	10	UJ	H
DIETHYL PHTHALATE	10	UJ	H
DIMETHYL PHTHALATE	10	UJ	H
DI-N-BUTYL PHTHALATE	10	UJ	H
DI-N-OCTYL PHTHALATE	10	UJ	H
HEXACHLOROBENZENE	10	UJ	H
HEXACHLOROBUTADIENE	10	UJ	H
HEXACHLOROCYCLOPENTADIENE	10	UJ	H
HEXACHLOROETHANE	10	UJ	H
ISOPHORONE	10	UJ	H
NITROBENZENE	10	UJ	H
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	CH
N-NITROSODIPHENYLAMINE	10	UJ	H
PENTACHLOROPHENOL	25	UJ	H
PHENOL	10	UJ	H

nsample	13GLM17I02
samp_date	5/20/2003
lab_id	WT1233-7RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	UJ	H
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	CH
2,4,5-TRICHLOROPHENOL	25	UJ	H
2,4,6-TRICHLOROPHENOL	10	UJ	H
2,4-DICHLOROPHENOL	10	UJ	H
2,4-DIMETHYLPHENOL	10	UJ	H
2,4-DINITROPHENOL	25	UJ	CH
2,4-DINITROTOLUENE	10	UJ	H
2,6-DINITROTOLUENE	10	UJ	H
2-CHLORONAPHTHALENE	10	UJ	H
2-CHLOROPHENOL	10	UJ	H
2-METHYLPHENOL	10	UJ	H
2-NITROANILINE	25	UJ	H
2-NITROPHENOL	10	UJ	H
3,3'-DICHLOROBENZIDINE	10	UJ	H
3-NITROANILINE	25	UJ	H
4,6-DINITRO-2-METHYLPHENOL	25	UJ	CH
4-BROMOPHENYL PHENYL ETHER	10	UJ	H
4-CHLORO-3-METHYLPHENOL	10	UJ	H
4-CHLOROANILINE	10	UJ	H
4-CHLOROPHENYL PHENYL ETHER	10	UJ	H
4-METHYLPHENOL	10	UJ	H
4-NITROANILINE	25	UJ	H
4-NITROPHENOL	25	UJ	H
ACETOPHENONE	10	UJ	H
ATRAZINE	10	UJ	CH
BENZALDEHYDE	10	UJ	CH
BIS(2-CHLOROETHOXY)METHANE	10	UJ	H
BIS(2-CHLOROETHYL)ETHER	10	UJ	H
BIS(2-ETHYLHEXYL)PHTHALATE	10	UJ	H

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM17I02
samp_date	5/20/2003
lab_id	WT1233-7RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	UJ	H
CAPROLACTAM	10	UJ	H
CARBAZOLE	10	UJ	CH
DIBENZOFURAN	10	UJ	H
DIETHYL PHTHALATE	10	UJ	H
DIMETHYL PHTHALATE	10	UJ	H
DI-N-BUTYL PHTHALATE	10	UJ	H
DI-N-OCTYL PHTHALATE	10	UJ	H
HEXACHLOROBENZENE	10	UJ	H
HEXACHLOROBUTADIENE	10	UJ	H
HEXACHLOROCYCLOPENTADIENE	10	UJ	H
HEXACHLOROETHANE	10	UJ	H
ISOPHORONE	10	UJ	H
NITROBENZENE	10	UJ	H
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	CH
N-NITROSODIPHENYLAMINE	10	UJ	H
PENTACHLOROPHENOL	25	UJ	H
PHENOL	10	UJ	H

nsample	13GLM17I02D
samp_date	5/20/2003
lab_id	WT1233-9RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM17I02

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	UJ	H
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	CH
2,4,5-TRICHLOROPHENOL	25	UJ	H
2,4,6-TRICHLOROPHENOL	10	UJ	H
2,4-DICHLOROPHENOL	10	UJ	H
2,4-DIMETHYLPHENOL	10	UJ	H
2,4-DINITROPHENOL	25	UJ	CH
2,4-DINITROTOLUENE	10	UJ	H
2,6-DINITROTOLUENE	10	UJ	H
2-CHLORONAPHTHALENE	10	UJ	H
2-CHLOROPHENOL	10	UJ	H
2-METHYLPHENOL	10	UJ	H
2-NITROANILINE	25	UJ	H
2-NITROPHENOL	10	UJ	H
3,3'-DICHLOROBENZIDINE	10	UJ	H
3-NITROANILINE	25	UJ	H
4,6-DINITRO-2-METHYLPHENOL	25	UJ	CH
4-BROMOPHENYL PHENYL ETHER	10	UJ	H
4-CHLORO-3-METHYLPHENOL	10	UJ	H
4-CHLOROANILINE	10	UJ	H
4-CHLOROPHENYL PHENYL ETHER	10	UJ	H
4-METHYLPHENOL	10	UJ	H
4-NITROANILINE	25	UJ	H
4-NITROPHENOL	25	UJ	H
ACETOPHENONE	10	UJ	H
ATRAZINE	10	UJ	CH
BENZALDEHYDE	10	UJ	CH
BIS(2-CHLOROETHOXY)METHANE	10	UJ	H
BIS(2-CHLOROETHYL)ETHER	10	UJ	H
BIS(2-ETHYLHEXYL)PHTHALATE	10	UJ	H

nsample	13GLM17I02D
samp_date	5/20/2003
lab_id	WT1233-9RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM17I02

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	UJ	H
CAPROLACTAM	10	UJ	H
CARBAZOLE	10	UJ	CH
DIBENZOFURAN	10	UJ	H
DIETHYL PHTHALATE	10	UJ	H
DIMETHYL PHTHALATE	10	UJ	H
DI-N-BUTYL PHTHALATE	10	UJ	H
DI-N-OCTYL PHTHALATE	10	UJ	H
HEXACHLOROBENZENE	10	UJ	H
HEXACHLOROBUTADIENE	10	UJ	H
HEXACHLOROCYCLOPENTADIENE	10	UJ	H
HEXACHLOROETHANE	10	UJ	H
ISOPHORONE	10	UJ	H
NITROBENZENE	10	UJ	H
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	CH
N-NITROSODIPHENYLAMINE	10	UJ	H
PENTACHLOROPHENOL	25	UJ	H
PHENOL	10	UJ	H

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM17S02	nsample	13GLM17S02	nsample	13GLM18D02
samp_date	5/19/2003	samp_date	5/19/2003	samp_date	5/20/2003
lab_id	WT1187-9	lab_id	WT1187-9	lab_id	WT1233-5
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	UJ	H
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	H
2,4,5-TRICHLOROPHENOL	25	UJ	H
2,4,6-TRICHLOROPHENOL	10	UJ	H
2,4-DICHLOROPHENOL	10	UJ	H
2,4-DIMETHYLPHENOL	10	UJ	H
2,4-DINITROPHENOL	25	UJ	CH
2,4-DINITROTOLUENE	10	UJ	H
2,6-DINITROTOLUENE	10	UJ	H
2-CHLORONAPHTHALENE	10	UJ	H
2-CHLOROPHENOL	10	UJ	H
2-METHYLPHENOL	10	UJ	H
2-NITROANILINE	25	UJ	H
2-NITROPHENOL	10	UJ	H
3,3'-DICHLOROBENZIDINE	10	UJ	H
3-NITROANILINE	25	UJ	H
4,6-DINITRO-2-METHYLPHENOL	25	UJ	CH
4-BROMOPHENYL PHENYL ETHER	10	UJ	H
4-CHLORO-3-METHYLPHENOL	10	UJ	H
4-CHLOROANILINE	10	UJ	H
4-CHLOROPHENYL PHENYL ETHER	10	UJ	H
4-METHYLPHENOL	10	UJ	H
4-NITROANILINE	25	UJ	H
4-NITROPHENOL	25	UJ	H
ACETOPHENONE	10	UJ	H
ATRAZINE	10	UJ	CH
BENZALDEHYDE	10	UJ	CH
BIS(2-CHLOROETHOXY)METHANE	10	UJ	H
BIS(2-CHLOROETHYL)ETHER	10	UJ	H
BIS(2-ETHYLHEXYL)PHTHALATE	10	UJ	H

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM18D02
samp_date	5/20/2003
lab_id	WT1233-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	UJ	H
CAPROLACTAM	10	UJ	H
CARBAZOLE	10	UJ	H
DIBENZOFURAN	10	UJ	H
DIETHYL PHTHALATE	10	UJ	H
DIMETHYL PHTHALATE	10	UJ	H
DI-N-BUTYL PHTHALATE	10	UJ	H
DI-N-OCTYL PHTHALATE	10	UJ	H
HEXACHLOROBENZENE	10	UJ	H
HEXACHLOROBUTADIENE	10	UJ	H
HEXACHLOROCYCLOPENTADIENE	10	UJ	H
HEXACHLOROETHANE	10	UJ	H
ISOPHORONE	10	UJ	H
NITROBENZENE	10	UJ	H
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	H
N-NITROSODIPHENYLAMINE	10	UJ	H
PENTACHLOROPHENOL	25	UJ	H
PHENOL	10	UJ	H

nsample	13GLM18I02
samp_date	5/20/2003
lab_id	WT1233-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	UJ	H
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	H
2,4,5-TRICHLOROPHENOL	25	UJ	H
2,4,6-TRICHLOROPHENOL	10	UJ	H
2,4-DICHLOROPHENOL	10	UJ	H
2,4-DIMETHYLPHENOL	10	UJ	H
2,4-DINITROPHENOL	25	UJ	CH
2,4-DINITROTOLUENE	10	UJ	H
2,6-DINITROTOLUENE	10	UJ	H
2-CHLORONAPHTHALENE	10	UJ	H
2-CHLOROPHENOL	10	UJ	H
2-METHYLPHENOL	10	UJ	H
2-NITROANILINE	25	UJ	H
2-NITROPHENOL	10	UJ	H
3,3'-DICHLOROBENZIDINE	10	UJ	H
3-NITROANILINE	25	UJ	H
4,6-DINITRO-2-METHYLPHENOL	25	UJ	CH
4-BROMOPHENYL PHENYL ETHER	10	UJ	H
4-CHLORO-3-METHYLPHENOL	10	UJ	H
4-CHLOROANILINE	10	UJ	H
4-CHLOROPHENYL PHENYL ETHER	10	UJ	H
4-METHYLPHENOL	10	UJ	H
4-NITROANILINE	25	UJ	H
4-NITROPHENOL	25	UJ	H
ACETOPHENONE	10	UJ	H
ATRAZINE	10	UJ	CH
BENZALDEHYDE	10	UJ	CH
BIS(2-CHLOROETHOXY)METHANE	10	UJ	H
BIS(2-CHLOROETHYL)ETHER	10	UJ	H
BIS(2-ETHYLHEXYL)PHTHALATE	10	UJ	H

nsample	13GLM18I02
samp_date	5/20/2003
lab_id	WT1233-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	UJ	H
CAPROLACTAM	10	UJ	H
CARBAZOLE	10	UJ	H
DIBENZOFURAN	10	UJ	H
DIETHYL PHTHALATE	10	UJ	H
DIMETHYL PHTHALATE	10	UJ	H
DI-N-BUTYL PHTHALATE	10	UJ	H
DI-N-OCTYL PHTHALATE	10	UJ	H
HEXACHLOROBENZENE	10	UJ	H
HEXACHLOROBUTADIENE	10	UJ	H
HEXACHLOROCYCLOPENTADIENE	10	UJ	H
HEXACHLOROETHANE	10	UJ	H
ISOPHORONE	10	UJ	H
NITROBENZENE	10	UJ	H
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	H
N-NITROSODIPHENYLAMINE	10	UJ	H
PENTACHLOROPHENOL	25	UJ	H
PHENOL	10	UJ	H

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM18S02	nsample	13GLM18S02	nsample	13GLM7I02
samp_date	5/20/2003	samp_date	5/20/2003	samp_date	5/19/2003
lab_id	WT1233-1	lab_id	WT1233-1	lab_id	WT1187-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	UJ	H
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	H
2,4,5-TRICHLOROPHENOL	25	UJ	H
2,4,6-TRICHLOROPHENOL	10	UJ	H
2,4-DICHLOROPHENOL	10	UJ	H
2,4-DIMETHYLPHENOL	10	UJ	H
2,4-DINITROPHENOL	25	UJ	CH
2,4-DINITROTOLUENE	10	UJ	H
2,6-DINITROTOLUENE	10	UJ	H
2-CHLORONAPHTHALENE	10	UJ	H
2-CHLOROPHENOL	10	UJ	H
2-METHYLPHENOL	10	UJ	H
2-NITROANILINE	25	UJ	H
2-NITROPHENOL	10	UJ	H
3,3'-DICHLOROBENZIDINE	10	UJ	H
3-NITROANILINE	25	UJ	H
4,6-DINITRO-2-METHYLPHENOL	25	UJ	CH
4-BROMOPHENYL PHENYL ETHER	10	UJ	H
4-CHLORO-3-METHYLPHENOL	10	UJ	H
4-CHLOROANILINE	10	UJ	H
4-CHLOROPHENYL PHENYL ETHER	10	UJ	H
4-METHYLPHENOL	10	UJ	H
4-NITROANILINE	25	UJ	H
4-NITROPHENOL	25	UJ	H
ACETOPHENONE	10	UJ	H
ATRAZINE	10	UJ	CH
BENZALDEHYDE	10	UJ	CH
BIS(2-CHLOROETHOXY)METHANE	10	UJ	H
BIS(2-CHLOROETHYL)ETHER	10	UJ	H
BIS(2-ETHYLHEXYL)PHTHALATE	18	J	H

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	UJ	H
CAPROLACTAM	10	UJ	H
CARBAZOLE	10	UJ	H
DIBENZOFURAN	10	UJ	H
DIETHYL PHTHALATE	10	UJ	H
DIMETHYL PHTHALATE	10	UJ	H
DI-N-BUTYL PHTHALATE	10	UJ	H
DI-N-OCTYL PHTHALATE	10	UJ	H
HEXACHLOROBENZENE	10	UJ	H
HEXACHLOROBUTADIENE	10	UJ	H
HEXACHLOROCYCLOPENTADIENE	10	UJ	H
HEXACHLOROETHANE	10	UJ	H
ISOPHORONE	10	UJ	H
NITROBENZENE	10	UJ	H
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	H
N-NITROSODIPHENYLAMINE	10	UJ	H
PENTACHLOROPHENOL	25	UJ	H
PHENOL	10	UJ	H

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM7I02
samp_date	5/19/2003
lab_id	WT1187-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	13GLM18S02
samp_date	5/20/2003
lab_id	WT1233-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.10	UJ	R
4,4'-DDE	0.10	UJ	R
4,4'-DDT	0.10	UJ	R
ALDRIN	0.050	UJ	R
ALPHA-BHC	0.050	UJ	R
ALPHA-CHLORDANE	0.050	UJ	R
AROCLOR-1016	0.50	UJ	R
AROCLOR-1221	0.50	UJ	R
AROCLOR-1232	0.50	UJ	R
AROCLOR-1242	0.50	UJ	R
AROCLOR-1248	0.50	UJ	R
AROCLOR-1254	0.50	UJ	R
AROCLOR-1260	0.50	UJ	R
BETA-BHC	0.050	UJ	R
DELTA-BHC	0.050	UJ	R
DIELDRIN	0.10	UJ	R
ENDOSULFAN I	0.050	UJ	R
ENDOSULFAN II	0.10	UJ	R
ENDOSULFAN SULFATE	0.10	UJ	R
ENDRIN	0.10	UJ	R
ENDRIN ALDEHYDE	0.10	UJ	R
ENDRIN KETONE	0.10	UJ	R
GAMMA-BHC (LINDANE)	0.050	UJ	R
GAMMA-CHLORDANE	0.050	UJ	R
HEPTACHLOR	0.050	UJ	R
HEPTACHLOR EPOXIDE	0.050	UJ	R
METHOXYCHLOR	0.50	UJ	R
TOXAPHENE	1.0	UJ	R

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: PAH

nsample	10GLM03S02	nsample	13GLM13I02	nsample	13GLM13S02
samp_date	5/20/2003	samp_date	5/19/2003	samp_date	5/19/2003
lab_id	WT1233-14	lab_id	WT1187-12	lab_id	WT1187-14
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.25	J	C
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM16D02	nsample	13GLM16I02	nsample	13GLM16S02
samp_date	5/19/2003	samp_date	5/19/2003	samp_date	5/19/2003
lab_id	WT1187-6	lab_id	WT1187-4	lab_id	WT1187-2
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	UJ	C
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	UJ	C
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	UJ	C
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM17D02	nsample	13GLM17I02	nsample	13GLM17I02D
samp_date	5/20/2003	samp_date	5/20/2003	samp_date	5/20/2003
lab_id	WT1233-12	lab_id	WT1233-8	lab_id	WT1233-10
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	13GLM17I02

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.26		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.56		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.57		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.14	J	P
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.53		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.55		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.14	J	P
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM17S02	nsample	13GLM18D02	nsample	13GLM18I02
samp_date	5/19/2003	samp_date	5/20/2003	samp_date	5/20/2003
lab_id	WT1187-10	lab_id	WT1233-6	lab_id	WT1233-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.3		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	UJ	C
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	3.1		
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.27		
2-METHYLNAPHTHALENE	0.24		
ACENAPHTHENE	0.15	J	P
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	2.8		
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2874 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM18S02	nsample	13GLM7I02
samp_date	5/20/2003	samp_date	5/19/2003
lab_id	WT1233-2	lab_id	WT1187-8
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	UJ	C
PYRENE	0.2	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-13
Client ID: 10GLM03S02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-13
Client ID: 10GLM03S02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-11
Client ID: 13GLM13I02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	1	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-11
Client ID: 13GLM13I02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-13
Client ID: 13GLM13S02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-13
Client ID: 13GLM13S02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-5
Client ID: 13GLM16D02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-5
Client ID: 13GLM16D02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		81%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-3
Client ID: 13GLM16I02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	J	1	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	0.2	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-3
Client ID: 13GLM16I02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-1
Client ID: 13GLM16S02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-1
Client ID: 13GLM16S02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		81%				
17060-07-0	1,2-Dichloroethane-D4		77%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-11
Client ID: 13GLM17D02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	J	4	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		12	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	J	0.5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-11
Client ID: 13GLM17D02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-7
Client ID: 13GLM17I02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	J	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		9	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	J	0.9	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-7
Client ID: 13GLM17I02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-9
Client ID: 13GLM17I02D
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	J	4	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		9	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	J	0.8	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-9
Client ID: 13GLM17I02D
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		79%				
2037-26-5	Toluene-D8		* 81%				
460-00-4	P-Bromofluorobenzene		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/10/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-9
Client ID: 13GLM17S02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2517
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	J	1	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	J	4	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	J	0.3	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/10/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-9
Client ID: 13GLM17S02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2517
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		119%				
17060-07-0	1,2-Dichloroethane-D4		114%				
2037-26-5	Toluene-D8		114%				
460-00-4	P-Bromofluorobenzene		116%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-5
Client ID: 13GLM18D02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	J	3	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	J	2	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	J	0.9	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-5
Client ID: 13GLM18D02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-3
Client ID: 13GLM18I02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	J	2	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	J	0.5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-3
Client ID: 13GLM18I02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-1
Client ID: 13GLM18S02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-1
Client ID: 13GLM18S02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		79%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-7
Client ID: 13GLM7I02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-7
Client ID: 13GLM7I02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-15
Client ID: 13L051903
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-15
Client ID: 13L051903
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-15
Client ID: 13TL052003
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-15
Client ID: 13TL052003
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/25/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-13RA
Client ID: 10GLM03S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/25/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-13RA
Client ID: 10GLM03S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	9
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	9
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	9
1912-24-9	Atrazine	U	10	1.0	10	10	9
367-12-4	2-Fluorophenol		44%				
13127-88-3	Phenol-D6		22%				
4165-60-0	Nitrobenzene-D5		87%				
321-60-8	2-Fluorobiphenyl		72%				
118-79-6	2,4,6-Tribromophenol		62%				
1718-51-0	Terphenyl-D14		79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/23/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-11
Client ID: 13GLM13I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/23/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-11
Client ID: 13GLM13I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		53%				
13127-88-3	Phenol-D6		31%				
4165-60-0	Nitrobenzene-D5		80%				
321-60-8	2-Fluorobiphenyl		81%				
118-79-6	2,4,6-Tribromophenol		104%				
1718-51-0	Terphenyl-D14		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/21/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-13
Client ID: 13GLM13S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/21/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-13
Client ID: 13GLM13S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		44%				
13127-88-3	Phenol-D6		28%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		60%				
118-79-6	2,4,6-Tribromophenol		58%				
1718-51-0	Terphenyl-D14		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/20/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-5
Client ID: 13GLM16D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/20/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-5
Client ID: 13GLM16D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		33%				
13127-88-3	Phenol-D6		24%				
4165-60-0	Nitrobenzene-D5		67%				
321-60-8	2-Fluorobiphenyl		70%				
118-79-6	2,4,6-Tribromophenol		64%				
1718-51-0	Terphenyl-D14		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/20/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-3
Client ID: 13GLM16I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	1
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	2
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/20/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-3
Client ID: 13GLM16I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	9
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	9
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	9
1912-24-9	Atrazine	U	10	1.0	10	10	9
367-12-4	2-Fluorophenol		51%				
13127-88-3	Phenol-D6		31%				
4165-60-0	Nitrobenzene-D5		69%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		58%				
1718-51-0	Terphenyl-D14		62%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/20/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-1
Client ID: 13GLM16S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	1
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	2
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/20/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-1
Client ID: 13GLM16S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	9
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	9
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	9
1912-24-9	Atrazine	U	10	1.0	10	10	9
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		28%				
4165-60-0	Nitrobenzene-D5		72%				
321-60-8	2-Fluorobiphenyl		71%				
118-79-6	2,4,6-Tribromophenol		73%				
1718-51-0	Terphenyl-D14		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/25/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-11RA
Client ID: 13GLM17D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/25/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-11RA
Client ID: 13GLM17D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		28%				
4165-60-0	Nitrobenzene-D5		79%				
321-60-8	2-Fluorobiphenyl		66%				
118-79-6	2,4,6-Tribromophenol		70%				
1718-51-0	Terphenyl-D14		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/25/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-7RA
Client ID: 13GLM17I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/25/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-7RA
Client ID: 13GLM17I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		51%				
13127-88-3	Phenol-D6		30%				
4165-60-0	Nitrobenzene-D5		78%				
321-60-8	2-Fluorobiphenyl		75%				
118-79-6	2,4,6-Tribromophenol		90%				
1718-51-0	Terphenyl-D14		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/25/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-9RA
Client ID: 13GLM17I02D
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/25/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-9RA
Client ID: 13GLM17I02D
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		57%				
13127-88-3	Phenol-D6		34%				
4165-60-0	Nitrobenzene-D5		79%				
321-60-8	2-Fluorobiphenyl		70%				
118-79-6	2,4,6-Tribromophenol		92%				
1718-51-0	Terphenyl-D14		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/23/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-9
Client ID: 13GLM17S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/23/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-9
Client ID: 13GLM17S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		48%				
13127-88-3	Phenol-D6		26%				
4165-60-0	Nitrobenzene-D5		73%				
321-60-8	2-Fluorobiphenyl		70%				
118-79-6	2,4,6-Tribromophenol		68%				
1718-51-0	Terphenyl-D14		113%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-5
Client ID: 13GLM18D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-5
Client ID: 13GLM18D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		76%				
13127-88-3	Phenol-D6		38%				
4165-60-0	Nitrobenzene-D5		92%				
321-60-8	2-Fluorobiphenyl		95%				
118-79-6	2,4,6-Tribromophenol		119%				
1718-51-0	Terphenyl-D14		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-3
Client ID: 13GLM18I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-3
Client ID: 13GLM18I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		51%				
13127-88-3	Phenol-D6		31%				
4165-60-0	Nitrobenzene-D5		75%				
321-60-8	2-Fluorobiphenyl		77%				
118-79-6	2,4,6-Tribromophenol		98%				
1718-51-0	Terphenyl-D14		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-1
Client ID: 13GLM18S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate		18	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-1
Client ID: 13GLM18S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		54%				
13127-88-3	Phenol-D6		35%				
4165-60-0	Nitrobenzene-D5		85%				
321-60-8	2-Fluorobiphenyl		78%				
118-79-6	2,4,6-Tribromophenol		90%				
1718-51-0	Terphenyl-D14		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/20/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-7
Client ID: 13GLM7I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/20/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-7
Client ID: 13GLM7I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		33%				
13127-88-3	Phenol-D6		26%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		60%				
118-79-6	2,4,6-Tribromophenol		59%				
1718-51-0	Terphenyl-D14		72%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 07/02/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-14
Client ID: 10GLM03S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.047
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.047
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.075
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.075
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.075
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.085
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.066
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.085
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.075
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.085
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.094
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.075
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
7297-45-2	2-Methylnaphthalene-d10		65%				
81103-79-9	Fluorene-d10		75%				
1718-52-1	Pyrene-d10		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/16/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-12
Client ID: 13GLM13I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene		0.25	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		95%				
81103-79-9	Fluorene-d10		90%				
1718-52-1	Pyrene-d10		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 07/01/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-14
Client ID: 13GLM13S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		84%				
81103-79-9	Fluorene-d10		83%				
1718-52-1	Pyrene-d10		106%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/16/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-6
Client ID: 13GLM16D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		90%				
81103-79-9	Fluorene-d10		94%				
1718-52-1	Pyrene-d10		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/16/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-4
Client ID: 13GLM16I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.047
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.047
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.075
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.056
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.075
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.075
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.084
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.065
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.084
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.075
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.084
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.093
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.075
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
7297-45-2	2-Methylnaphthalene-d10		60%				
81103-79-9	Fluorene-d10		85%				
1718-52-1	Pyrene-d10		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/16/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-2
Client ID: 13GLM16S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.047
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.047
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.075
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.056
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.075
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.075
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.084
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.065
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.084
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.075
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.084
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.093
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.075
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
7297-45-2	2-Methylnaphthalene-d10		103%				
81103-79-9	Fluorene-d10		93%				
1718-52-1	Pyrene-d10		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 07/02/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-12
Client ID: 13GLM17D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		0.26	1.0	0.20	0.20	0.077
86-73-7	Fluorene		0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		56%				
81103-79-9	Fluorene-d10		62%				
1718-52-1	Pyrene-d10		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 07/02/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-8
Client ID: 13GLM17I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	J	0.14	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene		0.56	1.0	0.20	0.20	0.080
86-73-7	Fluorene		0.57	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		63%				
81103-79-9	Fluorene-d10		69%				
1718-52-1	Pyrene-d10		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 07/02/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-10
Client ID: 13GLM17I02D
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	J	0.14	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene		0.53	1.0	0.20	0.20	0.080
86-73-7	Fluorene		0.55	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		51%				
81103-79-9	Fluorene-d10		66%				
1718-52-1	Pyrene-d10		73%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/16/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-10
Client ID: 13GLM17S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene		0.30	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		95%				
81103-79-9	Fluorene-d10		96%				
1718-52-1	Pyrene-d10		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 07/01/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-6
Client ID: 13GLM18D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	3.8	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.087
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		74%				
81103-79-9	Fluorene-d10		58%				
1718-52-1	Pyrene-d10		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 07/02/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-6DL
Client ID: 13GLM18D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		3.1	2.0	0.20	0.39	0.097
91-57-6	2-Methylnaphthalene	U	0.39	2.0	0.20	0.39	0.16
208-96-8	Acenaphthylene	U	0.39	2.0	0.20	0.39	0.097
83-32-9	Acenaphthene	U	0.39	2.0	0.20	0.39	0.16
86-73-7	Fluorene	U	0.39	2.0	0.20	0.39	0.12
85-01-8	Phenanthrene	U	0.39	2.0	0.20	0.39	0.16
120-12-7	Anthracene	U	0.39	2.0	0.20	0.39	0.16
206-44-0	Fluoranthene	U	0.39	2.0	0.20	0.39	0.21
129-00-0	Pyrene	U	0.39	2.0	0.20	0.39	0.17
56-55-3	Benzo(a)anthracene	U	0.39	2.0	0.20	0.39	0.23
218-01-9	Chrysene	U	0.39	2.0	0.20	0.39	0.14
205-99-2	Benzo(b)fluoranthene	U	0.39	2.0	0.20	0.39	0.17
207-08-9	Benzo(k)fluoranthene	U	0.39	2.0	0.20	0.39	0.16
50-32-8	Benzo(a)pyrene	U	0.39	2.0	0.20	0.39	0.17
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.39	2.0	0.20	0.39	0.19
53-70-3	Dibenzo(a,h)anthracene	U	0.39	2.0	0.20	0.39	0.29
191-24-2	Benzo(g,h,i)perylene	U	0.39	2.0	0.20	0.39	0.16
90-12-0	1-Methylnaphthalene	U	0.39	2.0	0.20	0.39	0.16
7297-45-2	2-Methylnaphthalene-d10		57%				
81103-79-9	Fluorene-d10		82%				
1718-52-1	Pyrene-d10		106%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 07/01/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-4
Client ID: 13GLM18I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		2.8	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene		0.24	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	J	0.15	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene		0.27	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		68%				
81103-79-9	Fluorene-d10		72%				
1718-52-1	Pyrene-d10		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 07/01/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-2
Client ID: 13GLM18S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		63%				
81103-79-9	Fluorene-d10		78%				
1718-52-1	Pyrene-d10		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/19/03
Received Date: 05/20/03
Extraction Date: 05/23/03
Analysis Date: 06/16/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1187-8
Client ID: 13GLM7I02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		92%				
81103-79-9	Fluorene-d10		52%				
1718-52-1	Pyrene-d10		63%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/27/03
Analysis Date: 06/11/03
Report Date: 06/18/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-1
Client ID: 13GLM18S02
SDG: CTO287-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2399
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.024
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.021
76-44-8	Heptachlor	U	0.050	1.0	0.050	0.050	0.023
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.040
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.021
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.027
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.022
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.017
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.026
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.016
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.017
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.026
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.015
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.028
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.020
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.022
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.042
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.87
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.018
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.018
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.019
877-09-8	Tetrachloro-m-Xylene		* 28%				
2051-24-3	Decachlorobiphenyl		21%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/27/03
Analysis Date: 06/11/03
Report Date: 06/17/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-1
Client ID: 13GLM18S02
SDG: CTO287-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2400
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	0.11
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.28
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.30
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.24
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.12
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.15
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.11
877-09-8	Tetrachloro-m-xylene		56%				
2051-24-3	Decachlorobiphenyl		* 44%				

AIR TOXICS LTD.

SAMPLE NAME: 10GLM03S02

ID#: 0305459-04A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053025	Date of Collection: 5/20/03
Dil Factor:	1.00	Date of Analysis: 5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM13I02

ID#: 0305459-13A

MODIFIED METHOD RSK-175 GC/FID

File Name: 705035 Date of Collection: 5/19/03
Dil. Factor: 1.00 Date of Analysis: 5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.013
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM13S02

ID#: 0305459-14A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053036	Date of Collection:	5/19/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.013
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM16D02

ID#: 0305459-08A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053030	Date of Collection:	5/19/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.44
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM16I02

ID#: 0305459-10A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053032	Date of Collection:	5/19/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.16
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM16S02

ID#: 0305459-09A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053031	Date of Collection:	5/19/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.12
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM17D02

ID#: 0305459-02A

MODIFIED METHOD RSK-175 GC/FID

File Name: 7053023	Date of Collection: 5/20/03
Dil. Factor: 1.00	Date of Analysis: 5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.43
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM17I02

ID#: 0305459-06A

MODIFIED METHOD RSK-175 GC/FID

File Name:	705-3027	Date of Collection:	5/20/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.38
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM17I02D

ID#: 0305459-03A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053024	Date of Collection:	5/20/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.39
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM17S02

ID#: 0305459-11A

MODIFIED METHOD RSK-175 GC/FID

File Name: 705303s Date of Collection: 5/19/03
Dil Factor: 1.00 Date of Analysis: 5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.22
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM18D02

ID#: 0305459-01A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053022	Date of Collection:	5/20/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.024
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM18I02

ID#: 0305459-07A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053026	Date of Collection:	5/20/05
Dil. Factor:	1.00	Date of Analysis:	5/30/05

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM18S02

ID#: 0305459-05A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053025	Date of Collection:	5/20/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM7I02

ID#: 0305459-12A

MODIFIED METHOD RSK-175 GC/FID

File Name:	053034	Date of Collection:	5/19/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.034
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

APPENDIX C

SUPPORT DOCUMENTATION

FIELD DUPLICATE PRECISION

ANALYTE	13GLM17I02D	13GLM17I02	RPD	DIFFERENCE
1,1-Dichloroethane	9	9	0.00	0
1,1-Dichloroethene	4	5	22.22	1
cis-1,2-Dichloroethene	0.8	0.9	11.76	0.1
Acenaphthene	0.53	0.56	5.50	0.03
Fluorene	0.55	0.57	3.57	0.02
Naphthalene	0.14	0.14	0.00	0
Methane	390	380	2.60	10

2874

HOLDING TIME
07/16/03

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM13I02	WT1187-11	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM13S02	WT1187-13	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16D02	WT1187-5	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16I02	WT1187-3	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16I02DUP	WT1187-3 DUP	DUPLICATE	2874	CL	/ /	06/13/03	06/13/03	0	0	0
MG/L	13GLM16I02MS	WT1187-3 MS	MS	2874	CL	/ /	06/13/03	06/13/03	0	0	0
MG/L	13GLM16S02	WT1187-1	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM17S02	WT1187-9	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18I02	WT1233-3	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	CL	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM7I02	WT1187-7	NORMAL	2874	CL	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	LABQC	MBLANK	P BLANK	2874	CL	06/13/03	06/13/03	06/13/03	0	0	0
UG/L	13GLM18S02	WT1233-1	NORMAL	2874	CN	05/20/03	05/29/03	06/02/03	9	4	13
UG/L	13GLM18S02MS	WT1233-1 MS	MS	2874	CN	/ /	05/29/03	06/02/03	0	4	0
UG/L	LABQC	MBLANK	LCS	2874	CN	05/21/03	05/29/03	06/02/03	8	4	12
UG/ML	10GLM03S02	0305459-04A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM13I02	0305459-13A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM13S02	0305459-14A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16D02	0305459-08A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/ML	13GLM16I02	0305459-10A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16S02	0305459-09A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM17D02	0305459-02A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02	0305459-06A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02D	0305459-03A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17S02	0305459-11A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM18D02	0305459-01A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18I02	0305459-07AA	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18S02	0305459-05A	NORMAL	2874	ETHA	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM7I02	0305459-12A	NORMAL	2874	ETHA	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	LAB BLANK	0305459-15A	M_BLANK	2874	ETHA	/ /	05/30/03	05/30/03	0	0	0
%R	LCS	0305459-16A	LCS	2874	ETHA	/ /	05/30/03	05/30/03	0	0	0
UG/ML	10GLM03S02	0305459-04A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM13I02	0305459-13A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM13S02	0305459-14A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16D02	0305459-08A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16I02	0305459-10A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16S02	0305459-09A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM17D02	0305459-02A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02	0305459-06A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02D	0305459-03A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17S02	0305459-11A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM18D02	0305459-01A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18I02	0305459-07AA	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18S02	0305459-05A	NORMAL	2874	ETHE	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM7I02	0305459-12A	NORMAL	2874	ETHE	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	LAB BLANK	0305459-15A	M_BLANK	2874	ETHE	/ /	05/30/03	05/30/03	0	0	0

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%R	LCS	0305459-16A	LCS	2874	ETHE	/ /	05/30/03	05/30/03	0	0	0
UG/L	13GLM18S02	WT1233-001	NORMAL	2874	HG	05/20/03	06/09/03	06/10/03	20	1	21
UG/L	LABQC	PBWTF09HGW0	P BLANK	2874	HG	06/12/03	06/09/03	06/10/03	-3	1	-2
UG/L	10GLM03S02	WT1233-013	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM13I02	WT1187-011	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM13S02	WT1187-013	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM16D02	WT1187-005	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM16I02	WT1187-003	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM16S02	WT1187-001	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM17D02	WT1233-011	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM17I02	WT1233-007	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM17I02D	WT1233-009	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM17S02	WT1187-009	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	13GLM18D02	WT1233-005	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM18I02	WT1233-003	NORMAL	2874	M	05/20/03	05/30/03	06/03/03	10	4	14
UG/L	13GLM18S02	WT1233-001	NORMAL	2874	M	05/20/03	05/30/03	06/06/03	10	7	17
UG/L	13GLM7I02	WT1187-007	NORMAL	2874	M	05/19/03	05/29/03	06/03/03	10	5	15
UG/L	LABQC	PBWTE30ICW0	P BLANK	2874	M	05/29/03	05/30/03	06/03/03	1	4	5
UG/ML	10GLM03S02	0305459-04A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM13I02	0305459-13A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM13S02	0305459-14A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16D02	0305459-08A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16I02	0305459-10A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM16S02	0305459-09A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM17D02	0305459-02A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02	0305459-06A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM17I02D	0305459-03A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/ML	13GLM17S02	0305459-11A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	13GLM18D02	0305459-01A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18I02	0305459-07AA	DUPLICATE	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM18S02	0305459-05A	NORMAL	2874	METH	05/20/03	05/30/03	05/30/03	10	0	10
UG/ML	13GLM7I02	0305459-12A	NORMAL	2874	METH	05/19/03	05/30/03	05/30/03	11	0	11
UG/ML	LAB BLANK	0305459-15A	M_BLANK	2874	METH	/ /	05/30/03	05/30/03	0	0	0
%R	LCS	0305459-16A	LCS	2874	METH	/ /	05/30/03	05/30/03	0	0	0
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM13I02	WT1187-11	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM13S02	WT1187-13	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16D02	WT1187-5	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16I02	WT1187-3	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16I02DUP	WT1187-3 DUP	DUPLICATE	2874	NTA	/ /	05/21/03	05/21/03	0	0	0
MG/L	13GLM16I02MS	WT1187-3 MS	MS	2874	NTA	/ /	05/21/03	05/21/03	0	0	0
MG/L	13GLM16S02	WT1187-1	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02DUP	WT1233-7 DUP	DUPLICATE	2874	NTA	/ /	05/22/03	05/22/03	0	0	0
MG/L	13GLM17I02MS	WT1233-7 MS	MS	2874	NTA	/ /	05/22/03	05/22/03	0	0	0
MG/L	13GLM17S02	WT1187-9	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM18I02	WT1233-3	DUPLICATE	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	NTA	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM7I02	WT1187-7	NORMAL	2874	NTA	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	LABQC	MBLANK	LCS	2874	NTA	06/13/03	05/22/03	05/22/03	-22	0	-22
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/L	13GLM13I02	WT1187-11	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM13S02	WT1187-13	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16D02	WT1187-5	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16I02	WT1187-3	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM16I02DUP	WT1187-3 DUP	DUPLICATE	2874	NTI	/ /	05/21/03	05/21/03	0	0	0
MG/L	13GLM16I02MS	WT1187-3 MS	MS	2874	NTI	/ /	05/21/03	05/21/03	0	0	0
MG/L	13GLM16S02	WT1187-1	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM17I02DUP	WT1233-7 DUP	DUPLICATE	2874	NTI	/ /	05/22/03	05/22/03	0	0	0
MG/L	13GLM17I02MS	WT1233-7 MS	MS	2874	NTI	/ /	05/22/03	05/22/03	0	0	0
MG/L	13GLM17S02	WT1187-9	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM18I02	WT1233-3	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	NTI	05/20/03	05/22/03	05/22/03	2	0	2
MG/L	13GLM7I02	WT1187-7	NORMAL	2874	NTI	05/19/03	05/21/03	05/21/03	2	0	2
MG/L	LABQC	MBLANK	LCS	2874	NTI	06/12/03	05/21/03	05/21/03	-22	0	-22
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM18I02	WT1233-3	DUPLICATE	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	NTIA	05/20/03	06/12/03	06/12/03	23	0	23
MG/L	LABQC	MBLANK	P BLANK	2874	NTIA	05/30/03	06/12/03	06/12/03	13	0	13
%	10GLM03S02	WT1233-13RA	NORMAL	2874	OS	05/20/03	05/28/03	06/25/03	8	28	36

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%	13GLM13I02	WT1187-11	NORMAL	2874	OS	05/19/03	05/23/03	06/23/03	4	31	35
%	13GLM13S02	WT1187-13	NORMAL	2874	OS	05/19/03	05/23/03	06/21/03	4	29	33
%	13GLM16D02	WT1187-5	NORMAL	2874	OS	05/19/03	05/23/03	06/20/03	4	28	32
%	13GLM16I02	WT1187-3	NORMAL	2874	OS	05/19/03	05/23/03	06/20/03	4	28	32
%	13GLM16S02	WT1187-1	NORMAL	2874	OS	05/19/03	05/23/03	06/20/03	4	28	32
%	13GLM17D02	WT1233-11RA	NORMAL	2874	OS	05/20/03	05/28/03	06/25/03	8	28	36
%	13GLM17I02	WT1233-7RA	NORMAL	2874	OS	05/20/03	05/28/03	06/25/03	8	28	36
%	13GLM17I02D	WT1233-9RA	NORMAL	2874	OS	05/20/03	05/28/03	06/25/03	8	28	36
%	13GLM17S02	WT1187-9	NORMAL	2874	OS	05/19/03	05/23/03	06/23/03	4	31	35
%	13GLM18D02	WT1233-5	NORMAL	2874	OS	05/20/03	05/28/03	06/24/03	8	27	35
%	13GLM18I02	WT1233-3	NORMAL	2874	OS	05/20/03	05/28/03	06/24/03	8	27	35
%	13GLM18S02	WT1233-1	NORMAL	2874	OS	05/20/03	05/28/03	06/24/03	8	27	35
%	13GLM7I02	WT1187-7	NORMAL	2874	OS	05/19/03	05/23/03	06/20/03	4	28	32
%	WG2380-BLANK	WG2380-1	P BLANK	2874	OS	05/23/03	05/23/03	06/13/03	0	21	21
%	WG2380-LCS	WG2380-4	LCS	2874	OS	05/23/03	05/23/03	06/13/03	0	21	21
%	WG2380-LCSD	WG2380-5	LCSD	2874	OS	05/23/03	05/23/03	06/13/03	0	21	21
%	WG2418-BLANK	WG2418-1	P BLANK	2874	OS	05/28/03	05/28/03	06/24/03	0	27	27
%	WG2418-LCS	WG2418-4	LCS	2874	OS	05/28/03	05/28/03	06/24/03	0	27	27
%	WG2418-LCSD	WG2418-5	LCSD	2874	OS	05/28/03	05/28/03	06/24/03	0	27	27
UG/L	10GLM03S02	WT1233-13	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM13I02	WT1187-11	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM13S02	WT1187-13	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM16D02	WT1187-5	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM16I02	WT1187-3	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM16S02	WT1187-1	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM17D02	WT1233-11	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM17I02	WT1233-7	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/L	13GLM17I02D	WT1233-9	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM17S02	WT1187-9	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13GLM18D02	WT1233-5	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM18I02	WT1233-3	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM18S02	WT1233-1	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM18S02MS	WG2510-3	MS	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM18S02MSD	WG2510-4	MSD	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	13GLM7I02	WT1187-7	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13TL051903	WT1187-15	NORMAL	2874	OV	05/19/03	06/02/03	06/02/03	14	0	14
UG/L	13TL052003	WT1233-15	NORMAL	2874	OV	05/20/03	06/03/03	06/03/03	14	0	14
UG/L	WG2495-BLANK	WG2495-2	P BLANK	2874	OV	/ /	06/02/03	06/02/03	0	0	0
UG/L	WG2495-LCS	WG2495-1	LCS	2874	OV	/ /	06/02/03	06/02/03	0	0	0
UG/L	WG2510-BLANK	WG2510-2	P BLANK	2874	OV	/ /	06/03/03	06/03/03	0	0	0
UG/L	WG2510-LCS	WG2510-1	LCS	2874	OV	/ /	06/03/03	06/03/03	0	0	0
UG/L	WG2517-BLANK	WG2517-2	P BLANK	2874	OV	/ /	06/02/03	06/02/03	0	0	0
UG/L	WG2517-LCS	WG2517-1	LCS	2874	OV	/ /	06/02/03	06/02/03	0	0	0
%	13GLM18S02	WT1233-1	NORMAL	2874	PCB	05/20/03	05/27/03	06/11/03	7	15	22
%	WG2400-BLANK	WG2400-2	P BLANK	2874	PCB	05/27/03	05/27/03	06/11/03	0	15	15
%	WG2400-LCS	WG2400-1	LCS	2874	PCB	05/27/03	05/27/03	06/11/03	0	15	15
%	WG2400-LCSD	WG2400-3	LCSD	2874	PCB	05/27/03	05/27/03	06/11/03	0	15	15
UG/L	13GLM18S02	WT1233-1	NORMAL	2874	PEST	05/20/03	05/27/03	06/11/03	7	15	22
UG/L	WG2399-BLANK	WG2399-1	P BLANK	2874	PEST	05/27/03	05/27/03	06/11/03	0	15	15
UG/L	WG2399-LCS	WG2399-2	LCS	2874	PEST	05/27/03	05/27/03	06/11/03	0	15	15
UG/L	WG2399-LCSD	WG2399-3	LCSD	2874	PEST	05/27/03	05/27/03	06/11/03	0	15	15
%	10GLM03S02	WT1233-14	NORMAL	2874	SIM	05/20/03	05/28/03	07/02/03	8	35	43
%	13GLM13I02	WT1187-12	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	13GLM13S02	WT1187-14	NORMAL	2874	SIM	05/19/03	05/23/03	07/01/03	4	39	43

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%	13GLM16D02	WT1187-6	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	13GLM16I02	WT1187-4	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	13GLM16S02	WT1187-2	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	13GLM17D02	WT1233-12	NORMAL	2874	SIM	05/20/03	05/28/03	07/02/03	8	35	43
%	13GLM17I02	WT1233-8	NORMAL	2874	SIM	05/20/03	05/28/03	07/02/03	8	35	43
%	13GLM17I02D	WT1233-10	NORMAL	2874	SIM	05/20/03	05/28/03	07/02/03	8	35	43
%	13GLM17S02	WT1187-10	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	13GLM18D02	WT1233-6DL	NORMAL	2874	SIM	05/20/03	05/28/03	07/02/03	8	35	43
%	13GLM18I02	WT1233-4	NORMAL	2874	SIM	05/20/03	05/28/03	07/01/03	8	34	42
%	13GLM18S02	WT1233-2	NORMAL	2874	SIM	05/20/03	05/28/03	07/01/03	8	34	42
%	13GLM7I02	WT1187-8	NORMAL	2874	SIM	05/19/03	05/23/03	06/16/03	4	24	28
%	WG2380-BLANK	WG2380-1B	P BLANK	2874	SIM	05/23/03	05/23/03	06/16/03	0	24	24
%	WG2380-LCS	WG2380-2	LCS	2874	SIM	05/23/03	05/23/03	06/16/03	0	24	24
%	WG2380-LCSD	WG2380-3	LCSD	2874	SIM	05/23/03	05/23/03	06/16/03	0	24	24
%	WG2418-BLANK	WG2418-1C	P BLANK	2874	SIM	05/28/03	05/28/03	07/02/03	0	35	35
%	WG2418-LCS	WG2418-2	LCS	2874	SIM	05/28/03	05/28/03	07/01/03	0	34	34
%	WG2418-LCSD	WG2418-3	LCSD	2874	SIM	05/28/03	05/28/03	07/01/03	0	34	34
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	SO4	05/20/03	06/16/03	06/16/03	27	0	27
MG/L	13GLM13I02	WT1187-11	NORMAL	2874	SO4	05/19/03	06/16/03	06/16/03	28	0	28
MG/L	13GLM13S02	WT1187-13	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16D02	WT1187-5	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16I02	WT1187-3	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16I02MS	WT1187-3 MS	MS	2874	SO4	/ /	06/13/03	06/13/03	0	0	0
MG/L	13GLM16I02MSD	WT1187-3 MSD	MSD	2874	SO4	/ /	06/13/03	06/13/03	0	0	0
MG/L	13GLM16S02	WT1187-1	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM17S02	WT1187-9	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18I02	WT1233-3	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	SO4	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM7I02	WT1187-7	NORMAL	2874	SO4	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	LABQC	MBLANK	P BLANK	2874	SO4	05/29/03	06/13/03	06/13/03	15	0	15
MG/L	10GLM03S02	WT1233-13	NORMAL	2874	TOC	05/20/03	06/14/03	06/14/03	25	0	25
MG/L	13GLM13I02	WT1187-11	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM13S02	WT1187-13	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16D02	WT1187-5	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16I02	WT1187-3	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM16S02	WT1187-1	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM17D02	WT1233-11	NORMAL	2874	TOC	05/20/03	06/14/03	06/14/03	25	0	25
MG/L	13GLM17I02	WT1233-7	NORMAL	2874	TOC	05/20/03	06/14/03	06/14/03	25	0	25
MG/L	13GLM17I02D	WT1233-9	NORMAL	2874	TOC	05/20/03	06/14/03	06/14/03	25	0	25
MG/L	13GLM17S02	WT1187-9	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	13GLM18D02	WT1233-5	NORMAL	2874	TOC	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18D02MS	WT1233-5 MS	MS	2874	TOC	/ /	06/13/03	06/13/03	0	0	0
MG/L	13GLM18I02	WT1233-3	NORMAL	2874	TOC	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM18S02	WT1233-1	NORMAL	2874	TOC	05/20/03	06/13/03	06/13/03	24	0	24
MG/L	13GLM7I02	WT1187-7	NORMAL	2874	TOC	05/19/03	06/13/03	06/13/03	25	0	25
MG/L	LABQC	MBLANK	LCS	2874	TOC	05/29/03	06/14/03	06/14/03	16	0	16

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CSS PANAMA CITY CTO 287
SDG: CTO287-4
WT1187, WT1233

Sample Receipt

The following samples were received on May 20 & 22, 2003 and were logged in under Katahdin Analytical Services work order numbers WT1187 & WT1233 for a hardcopy due date of June 17, 2003.

KATAHDIN Sample No.	TTNUS Sample Identification
WT1187-1	13GLM16S02
WT1187-2	13GLM16S02
WT1187-3	13GLM16I02
WT1187-4	13GLM16I02
WT1187-5	13GLM16D02
WT1187-6	13GLM16D02
WT1187-7	13GLM7I02
WT1187-8	13GLM7I02
WT1187-9	13GLM17S02
WT1187-10	13GLM17S02
WT1187-11	13GLM13I02
WT1187-12	13GLM13I02
WT1187-13	13GLM13S02
WT1187-14	13GLM13S02
WT1187-15	13TL051903
WT1233-1	13GLM18S02
WT1233-2	13GLM18S02
WT1233-3	13GLM18I02
WT1233-4	13GLM18I02
WT1233-5	13GLM18D02
WT1233-6	13GLM18D02
WT1233-7	13GLM17I02
WT1233-8	13GLM17I02
WT1233-9	13GLM17I02D
WT1233-10	13GLM17I02D
WT1233-11	13GLM17D02
WT1233-12	13GLM17D02
WT1233-13	10GLM03S02
WT1233-14	10GLM03S02
WT1233-15	13TL052003

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.

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 Laboratory

Samples WT1233-1 through 15 were received on May 22, 2003 and WT1187-1 through 15 were received on May 20, 2002. Some of the samples were analyzed for pesticides according to SW-846 method 8081A and/or polychlorinated biphenyls (PCBs) according to SW-846 method 8082 and/or semivolatiles according to SW-846 method 8270C for the EPA CLP method target analytes and/or SIM semivolatiles according to SW-846 method 8270C and/or volatile organics according to SW-846 method 8260B for the EPA CLP method target analytes. Some manual integrations were performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software generated) on the pertinent quantitation reports. The samples were extracted and/or analyzed within hold time, and all QC criteria were met with the following comments:

8081 Analysis

The laboratory control sample duplicate (LCSD) WG2399-3 had low recoveries for all spike analytes and the extraction surrogate TCX on both channels which were outside of the laboratory established acceptance limits. Since the laboratory control sample (LCS) WG2334-2 had acceptable recoveries for these analytes, and none of these analytes were recovered in the associated samples, these samples were not reanalyzed.

The laboratory method blank WG2399-1 and sample WT1233-1 had low recoveries for the extraction surrogate TCX on both the A and B channel that were outside of the laboratory established acceptance limits. Since the second extraction surrogate DCB was within the acceptance limits the sample was not reanalyzed.

The closing calibration verification standard (CV) (file 8TF1149) had low responses for 4,4'-DDD and Methoxychlor on the A channel, which resulted in %D's that were outside the method limit of 15%. The associated samples may be biased low for these analytes on channel A.

8082 Analysis

The laboratory method blank WG2400-2 had high recoveries for both extraction surrogates that were outside of the laboratory established acceptance limits. Since high recoveries would indicate a high bias and the method blank did not detect any target analytes above the MDL, the sample was not reanalyzed.

Sample WT1233-1 had low recoveries for the extraction surrogate DCB on both channels that were outside of the laboratory established acceptance limits. Since the recoveries for the other extraction surrogate, TCX, were within the acceptance limits, the sample was not reanalyzed.

The opening CV (file 6TF2035) had a low response for TCX on the B channel which resulted in a %D that was outside the method limit of 15%. Since the response was acceptable on the A channel, the associated samples were not reanalyzed. The associated samples may be biased low for TCX on the B channel.

8270 SCAN and 8270 SIM Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) and Matrix spike samples (MS/MSD's) are statistically derived. Katahdin standard operating procedure is to not take corrective action until greater than ten percent of the spiked target analytes in the LCS are outside of QC limits.

The calibration curve analyzed for this SDG on the 'K' instrument had %RSD values for some analytes that exceeded the method acceptance limit of 15%. For those analytes, either a linear or quadratic model was used for the calibration curve. The analyte Benzaldehyde failed for both the linear and quadratic models due to the correlation coefficient being less than the method acceptance criteria of 0.990. This compound was calibrated using the average model. The sample results for this analyte should be used with due consideration.

The SIM analysis of sample WT1233-6 was diluted in order to bring the high concentrated target analytes into the calibration range.

8260 Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) and Matrix spike samples (MS/MSD's) are statistically derived. Katahdin standard operating procedure is to not take corrective action until greater than ten percent of the spiked analytes in the LCS are outside of QC limits.

There were two calibration curves performed for this SDG. The calibration method analyzed on the 'S' instrument on 5/29/03 had several analytes with %RSD values exceeding the method acceptance limit of 15%. The analytes Acetone, 2-Butanone and 2-Hexanone 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 averaged model. The sample results for these analytes should be used with due consideration.

The calibration curves that were analyzed did not contain the target analytes Cylcohexane, Methylcyclohexane, and Methyl Acetate. For each analytical batch a single point standard was analyzed at a concentration of 5 ug/L. This was performed in order to demonstrate that the PQL could be achieved for these analytes. The client was informed and notified the laboratory to proceed with this option.

The continuing calibration standard (CV) (file S6981) had low responses for the CCC compounds Vinyl chloride and 1,2-Dichloropropane. The results for these compounds should be used with due consideration.

Sample WT1233-9 had a recovery one surrogate that was low and outside of the laboratory established acceptance limits. Since the other three surrogates were acceptable and the surrogate was outside of the acceptance limits by 1%, the sample was not reanalyzed.

The laboratory method blank WG2517-2, detected Methylene chloride above the MDL. None of the associated samples detected this analyte above the MDL. Therefore, the sample data quality should not be affected.

The laboratory control samples WG2495-1 and WG2510-1 had high or low recoveries for greater than 10% of the target spiked analytes, which were outside of the laboratory established acceptance limits.

The Matrix Spike and/or Matrix Spike Duplicate sample (WG2510-3 and WG2510-4) had high or low recoveries for greater than 10% of the target spiked analytes, which were outside of the laboratory established acceptance limits. The deviations are possibly due to a matrix effect.

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

Metals Analysis

The samples of Katahdin SDG CTO287-4 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) and Inductively-Coupled Plasma Mass Spectrometric Analysis (ICP-MS)

Aqueous-matrix Katahdin Sample Nos. WT1187-(1, 3, 5, 7, 9, 11, and 13) were digested for ICP analysis on 05/29/03 (QC Batch TE29ICW1) in accordance with USEPA Method 3010A.

Aqueous-matrix Katahdin Sample Nos. WT1233-(1, 3, 5, 7, 9, 11, and 13) were digested for ICP and ICP-MS analysis on 05/30/03 (QC Batch TE30ICW0) in accordance with USEPA Method 3010A.

ICP analyses of Katahdin SDG CTO287-4 sample digestates were performed in accordance with USEPA Method 6010B, using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. ICP-MS analyses of Katahdin SDG CTO287-4 sample digestate WT1233-1 for thallium were performed in accordance with USEPA Method 6020, using an Agilent 7500 ICP-MS spectrometer. All samples were analyzed within holding times and all 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)

Aqueous-matrix Katahdin Sample No. WT1233-1 was digested for mercury analysis on 06/09/03 (QC Batch TF09HGW0) in accordance with USEPA Method 7470A.

Mercury analyses of Katahdin SDG CTO287-4 sample digestates were performed using a Leeman Labs PS200 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 CTO287-4 were received on 05/20/03 and 05/22/03 and logged in as Katahdin Work Orders WT1187 and WT1233. Analyses for Chloride, Total Organic Carbon (TOC), Sulfate, Nitrate, and Nitrite were performed according to "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1979, Revised 1983.

All Wet Chemistry results have been reported down to Katahdin Analytical Services' Method Detection Limits (MDL). These levels are indicated in the result field of the analytical report. For hits that fall between the MDL and Katahdin's Practical Quantitation Limit (PQL), a "J" flag has been used.

All analyses were performed within analytical hold time, and all quality control criteria were met, with the following exceptions:

The measured Nitrate recovery (72%) for the matrix spike aliquot of Katahdin Sample No. WT1233-7 is outside the laboratory's acceptance limits of 75-125%.

The measured Sulfate recovery (73%) for the matrix spike aliquot of Katahdin Sample No. WT1187-3 is outside the laboratory's acceptance limits of 75-125%.

No other deviations were noted by the Wet Chemistry group.

Subcontracted Analysis

Analyses for Methane/Ethane/Ethene were performed by a subcontract laboratory. Please refer to the section of the data package titled "Subcontracted Data."

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.

María Crouch
07.10.03
María Crouch
Quality Assurance Officer

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CHAIN of CUSTODY

PLEASE PRINT IN PEN

Client: TETRA TECH NUS
Contact: MIKE AKERS
Phone #: (850) 385-8899
Fax #: (850) 385-8864
Address: 1401 OVEN PARK DR suite 201
City: Tallahassee
State: FL
Zip Code: 32312
Purchase Order #: N9061-WR
Proj. Name / No.: CSS Panama City.
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): TKL
Copies To:

LAB USE ONLY
WORK ORDER #: W11987
KATAHDIN PROJECT MANAGER:

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.	VOC's 8260B	SVOC's + PAHs 8270 + 8270SIM	TOC 415.1	Dissolved gases RSK147/175	Anions 300.0	Select Metals 6010B					
	13GLM16S02	5/19/03 1250	GW	11	3	2	2	2	1	1					
	13GLM16I02	/ 1205	GW	11	3	2	2	2	1	1					
	13GLM16D02	/ 1330	GW	11	3	2	2	2	1	1					
	13GLM7I02	5/19/03 1425	GW	11	3	2	2	2	1	1					
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
TKL	5/19/03 1700	[illegible] 5/20/03 0900			
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 PRINT IN PEN

Page ____ of ____

Client: TLNUS
Contact: M. Akers
Phone #: (850) 385-9879
Fax #: (850) 385-9260
Address: 1401 Oven Park Dr. Ste 201
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340 WA061
Proj. Name / No.: FCY RFI
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): Mitch D. Olson W.D. Olson
Copies To:

LAB USE ONLY
WORK ORDER #: W1187
KATAHDIN PROJECT MANAGER:

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.	TCL VOC 8260B (Filt. ☐Y ☐N)	TCL SVOC 8270C/SIM (Filt. ☐Y ☐N)	Selected metals 6010B (Filt. ☐Y ☐N)	Anions EPA 300 (Filt. ☐Y ☐N)	RSK 147/175 (Filt. ☐Y ☐N)	TOC EPA 415.1 (Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐)
	13GM17502	5/19/03/1204	GW	11	3	2	1	1	2	2				
	13GLM13I02	5/19/03/1340	GW	11	3	2	1	1	2	2				
	13GLM13502	5/19/03/1430	GW	11	3	2	1	1	2	2				
	13TL051903	5/19/03/1500	QA	2	2	—	—	—	—	—				
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COMMENTS

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Mitch D. Olson	5/19/03 1600	[illegible]			
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 PRINT IN PEN

Client: TETRA TECH NUS
Contact: Mike Akers
Phone #: (850) 385 9899
Fax #: (850) 385 9860
Address: 1401 Oven Park Dr Suite 201
City: Tallahassee
State: FL
Zip Code: 32312
Purchase Order #: N9061-WR340
Proj. Name / No.: CSS PCY RFI
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): JAZ
Copies To:

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT MANAGER
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.	VOC 8260B	Dissolved Gases RSK SOP 147/175	TOC 415.1	Anions 300.0	TAL Metals 6010B	Select Metals 6010B	SVOCs + PAH's 8270 + 8270SIM	PEST / PCB's 8081/8082	Cyanide 9012B	
	13GLM18S02	5/20/03/0850	GW	14	3	2	2	1	1	—	2	2	1	
	13GLM18I02	5/20/03/0855	GW	11	3	2	2	1	—	1	2	—	—	
	13GLM18D02	5/20/03/0935	GW	11	3	2	2	1	—	1	2	—	—	
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COMMENTS

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JAZ	5/20/03 1700	[signature]			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 4262 | PAGE ___ OF ___

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
N9061	PCY AOC 1	G. Walker	(850)385-9829	Katahdin Analytical
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
[signature]		Bill Olson		340 County Rd. No 5
		CARRIER/WAYBILL NUMBER		CITY, STATE
				Westbrook ME

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

DATE YEAR 2003	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TCL VOC 8260B	TCL SVOC 8270C/SIM	Selected metals 6010B	Anions EPA 300	RSK 147/175	TOC EPA 415.1			COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	P	P	G	G			
PRESERVATIVE USED									HCL	4°C	HNO3	4°C	HCL	H2SO4			
5/20	0801	13GLM17I02	PCY-13/17I	25	30	GW	G	11	3	2	1	1	2	2			
5/20	0801	13GLM17I02D	PCY-13 17-I			GW	G	11	3	2	1	1	2	2			
5/20	0830	13TL052003				QC	G	2	2	—	—	—	—	—			
5/20	0935	13GLM17D02	PCY 13-17D	35	40	GW	G	11	3	2	1	1	2	3			
5/20	1145	10GLM03S02	PCY-10-3S	12.50	10.50	GW	G	11	3	2	1	1	2	3			

1. RELINQUISHED BY [signature]	DATE 5/20/03	TIME 1430	1. RECEIVED BY [signature]	DATE 5/20/03	TIME 0750
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

4/02R
FORM NO. TtNUS-001

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0305459

Work Order Summary

CLIENT:	Ms. Andrea Colby Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092	**BILL TO:**	Ms. Andrea Colby Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092
PHONE:	207-874-2400	**P.O. #**	
FAX:	207-775-4029	**PROJECT #**	Tetra Tech Florida
DATE RECEIVED:	5/23/2003	**CONTACT:**	Betty Chu
DATE COMPLETED:	6/3/2003		

FRACTION #	NAME	TEST
01A	13GLM18D02	Mod RSK-175
02A	13GLM17D02	Mod RSK-175
03A	13GLM17I02D	Mod RSK-175
04A	10GLM03S02	Mod RSK-175
05A	13GLM18S02	Mod RSK-175
06A	13GLM17I02	Mod RSK-175
07A	13GLM18I02	Mod RSK-175
07AA	13GLM18I02 Duplicate	Mod RSK-175
08A	13GLM16D02	Mod RSK-175
09A	13GLM16S02	Mod RSK-175
10A	13GLM16I02	Mod RSK-175
11A	13GLM17S02	Mod RSK-175
12A	13GLM7I02	Mod RSK-175
13A	13GLM13I02	Mod RSK-175
14A	13GLM13S02	Mod RSK-175
15A	Lab Blank	Mod RSK-175
16A	LCS	Mod RSK-175

CERTIFIED BY: Linda J. Freeman

Laboratory Director

DATE: 06/03/03

Certfication numbers: AR DEQ, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/02, Expiration date: 06/30/03
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified RSK 175
Katahdin Laboratory
Workorder# 0305459

Fourteen VOA Vial-40 mL samples were received on May 23, 2003. The laboratory performed analysis via Modified RSK 175 for Methane, Ethane and Ethene using GC/FID. The method involves placing an aliquot of the sample in a headspace vial. The vial is then placed into HP7694 Headspace Autosampler equipped with oven, shaker and 1 mL sample loop. Sample is baked and then equilibrated at 40°C for 15 minutes with high agitation. Finally, a direct injection of the headspace is performed. See the data sheets for the reporting limits for each compound.

Requirement	*RSK 175*	*ATL Modifications*
Sample Collection	Collect sample in 60 mL crimp-top vial.	Collect sample in 40 mL VOA vial.
Headspace Generation	Headspace is generated in 60 mL sample vial by displacing volume of liquid with Helium. The amount of liquid should be 10% of sample volume in bottle, up to 10 mL.	5.0 mL of sample is displaced with 5.0 mL Nitrogen and transferred to a Nitrogen purged and capped autosampler vial. Headspace is then generated in the autosampler vial.
Sample Preparation	Sample is shaken 5 min. to equilibrate analyte between headspace and liquid phase.	Prior to injection, autosampler shakes sample for 15 min. while heating to 40°C.
Headspace Injection	Syringe injection of 300 mL headspace into GC.	Autosampler pressurizes sample to fill 1.0 mL loop with headspace sample.
Calibration and Quantitation	Direct injections of gas phase standards are used to obtain a Calibration Curve. Henry's Law is used to calculate mg of gas per Liter of water. Calculation requires recording total volume of serum bottle and headspace, and sample temperature.	Calibration standards are prepared by addition of a gaseous spike solution to clean water. Response factors are calculated for each level of a multi point calibration, and the mean is used to calculate quantitation for each target analyte.
Initial Calibration Curve (ICAL)	Linear regression	% RSD </= 30%, use average RF to quantify results
Lab Blanks	Blank subtraction is performed.	No blank subtraction; Lab Blank must be less than the Reporting Limit.
Specified Detectors	FID or ECD	FID or TCD

Receiving Notes

The chain of custody information for samples 13GLM18S02 and 13GLM16I02 did not match the entries on the sample tags. The discrepancy was noted in the Login email and the information on the chain of custody was used to process and report the samples.

The chain of custody information for samples 10GLM03S02 and 13GLM17I02 did not match the entries on

the sample tags. The discrepancy was noted in the Login email and the information on the sample tags was used to process and report the samples.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: MB323 BFB Injection Date: 05/28/03

Instrument ID: GCMS-M BFB Injection Time: 0915

GC Column: RTX-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.7
75	30.0 - 60.0% of mass 95	40.3
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	90.3
175	4.0 - 9.0% of mass 174	6.0 (6.7)1
176	95.0 - 101.0% of mass 174	88.3 (97.8)1
177	5.0 - 9.0% of mass 176	6.1 (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		VSTD050M28B	M8981	05/28/03	1325
02		VSTD020M28A	M8983	05/28/03	1443
03		VSTD005M28A	M8984	05/28/03	1522
04		VSTD001M28B	M8986	05/28/03	1640
05		VSTD200M28A	M8987	05/28/03	1719
06		VSTD100M28A	M8988	05/28/03	1757
07					
08					
09					
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21					
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-M Calibration Date(s): 05/28/03 05/28/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1325 1757

LAB FILE ID: RF1: M8986 RF5: M8984 RF20: M8983
RF50: M8981 RF100: M8988 RF200: M8987

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Dichlorodifluoromethane	0.172	0.206	0.211	0.227	0.220	0.221	AVRG		0.20950		9.421	15.000	
Chloromethane	3939	17545	65969	182970	412910	966120	LINR	0.12611	2.16473		0.99292	0.99000	
Vinyl chloride	0.350	0.324	0.319	0.350	0.308	0.346	AVRG		0.33278		5.445	15.000	
Bromomethane	2159	8791	41829	97332	136410	179960	2ORDR	0.12973	-2.0260	38.2196	0.99170	0.99000	
Chloroethane	0.209	0.192	0.224	0.229	0.202	0.190	AVRG		0.20776		7.793	15.000	
Trichlorofluoromethane	0.355	0.371	0.383	0.427	0.407	0.413	AVRG		0.39285		7.020	15.000	
1,1-Dichloroethene	0.294	0.326	0.318	0.344	0.324	0.325	AVRG		0.32204		5.064	15.000	
Carbon Disulfide	1.184	1.098	1.070	1.153	1.094	1.091	AVRG		1.11499		3.899	15.000	
Freon-113	0.261	0.281	0.275	0.299	0.276	0.269	AVRG		0.27691		4.634	15.000	
Methylene Chloride	7452	27563	104560	281320	495840	1056300	LINR	3e-003	2.00999		0.99902	0.99000	
Acetone	0.087	0.070	0.075	0.066	0.075	0.072	AVRG		7e-002		9.535	15.000	
trans-1,2-Dichloroethene	0.393	0.375	0.373	0.398	0.377	0.370	AVRG		0.38112		3.027	15.000	
Methyl tert-butyl ether	1.258	1.176	1.170	1.158	1.106	1.003	AVRG		1.14522		7.451	15.000	
1,1-Dichloroethane	0.530	0.556	0.572	0.658	0.620	0.607	AVRG		0.59061		7.929	15.000	
cis-1,2-Dichloroethene	0.430	0.428	0.418	0.444	0.424	0.424	AVRG		0.42792		2.054	15.000	
1,2-Dichloroethylene (total)							AVRG					0.000	
Chloroform	0.630	0.605	0.588	0.627	0.603	0.607	AVRG		0.61007		2.597	15.000	
Carbon Tetrachloride	6278	22061	86594	234220	435570	866930	LINR	-7e-003	3.50032		0.99994	0.99000	
1,1,1-Trichloroethane	0.513	0.469	0.464	0.503	0.497	0.490	AVRG		0.48948		3.909	15.000	
2-Butanone	0.073	0.071	0.075	0.070	0.075	0.069	AVRG		7e-002		3.712	15.000	
Benzene	1.106	1.025	1.028	1.061	1.042	1.020	AVRG		1.04710		3.112	15.000	
Cyclohexane							AVRG					0.000	<-
1,2-Dichloroethane	0.328	0.318	0.326	0.339	0.331	0.322	AVRG		0.32748		2.270	15.000	
Trichloroethene	0.278	0.267	0.259	0.265	0.274	0.267	AVRG		0.26844		2.552	15.000	
1,2-Dichloropropane	0.280	0.263	0.259	0.266	0.266	0.260	AVRG		0.26564		2.900	15.000	
Bromodichloromethane	0.306	0.309	0.324	0.332	0.330	0.333	AVRG		0.32254		3.730	15.000	
cis-1,3-dichloropropene	0.386	0.406	0.426	0.434	0.416	0.422	AVRG		0.41503		4.060	15.000	
Toluene	0.694	0.657	0.658	0.663	0.661	0.637	AVRG		0.66179		2.746	15.000	
4-methyl-2-pentanone	0.376	0.344	0.390	0.339	0.360	0.320	AVRG		0.35470		7.232	15.000	
Tetrachloroethene	7415	24779	93522	192700	590410	1088300	LINR	7e-002	2.29430		0.99101	0.99000	
trans-1,3-Dichloropropene	0.342	0.334	0.366	0.377	0.372	0.364	AVRG		0.35934		4.749	15.000	
1,1,2-Trichloroethane	0.210	0.219	0.222	0.213	0.222	0.208	AVRG		0.21576		2.956	15.000	
Dibromochloromethane	0.320	0.326	0.349	0.388	0.368	0.370	AVRG		0.35346		7.575	15.000	
1,2-Dibromoethane	0.288	0.284	0.295	0.284	0.299	0.294	AVRG		0.29084		2.148	15.000	
2-Hexanone	0.333	0.315	0.357	0.320	0.329	0.301	AVRG		0.32603		5.824	15.000	
Chlorobenzene	0.890	0.865	0.857	0.919	0.870	0.847	AVRG		0.87472		2.957	15.000	
Ethylbenzene	1.429	1.354	1.348	1.427	1.337	1.259	AVRG		1.35889		4.679	15.000	
Xylenes (total)							AVRG					0.000	
m+p-Xylenes	0.550	0.541	0.544	0.575	0.518	0.496	AVRG		0.53728		5.065	15.000	
o-Xylene	0.525	0.521	0.526	0.564	0.520	0.504	AVRG		0.52669		3.755	15.000	
Styrene	0.884	0.912	0.928	1.016	0.944	0.895	AVRG		0.92979		5.109	15.000	
Bromoform	0.206	0.224	0.261	0.276	0.277	0.277	AVRG		0.25351		12.266	15.000	
Isopropylbenzene	2.450	2.285	2.269	2.385	2.265	2.136	AVRG		2.29828		4.727	15.000	
1,1,2,2-Tetrachloroethane	0.778	0.784	0.839	0.822	0.799	0.789	AVRG		0.80174		2.978	15.000	

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-M Calibration Date(s): 05/28/03 05/28/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1325 1757

LAB FILE ID: RF1: M8986 RF5: M8984 RF20: M8983
RF50: M8981 RF100: M8988 RF200: M8987

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
1,3-Dichlorobenzene	1.350	1.297	1.270	1.358	1.251	1.222	AVRG		1.29129		4.213	15.000	
1,4-Dichlorobenzene	1.443	1.327	1.312	1.411	1.305	1.260	AVRG		1.34294		5.174	15.000	
1,2-Dichlorobenzene	1.282	1.268	1.219	1.302	1.215	1.140	AVRG		1.23770		4.760	15.000	
1,2-Dibromo-3-Chloropropane	0.127	0.131	0.151	0.145	0.156	0.148	AVRG		0.14312		8.148	15.000	
1,2,4-Trichlorobenzene	5966	15366	83127	234640	434300	860610	LINR	-9e-003	1.57524		0.99912	0.99000	
Methylcyclohexane							AVRG					0.000	<-
Methyl Acetate							AVRG					0.000	<-
Dibromofluoromethane	0.453	0.409	0.410	0.486	0.411	0.408	AVRG		0.42960		7.667	15.000	
1,2-Dichloroethane-D4	0.440	0.401	0.407	0.457	0.392	0.384	AVRG		0.41321		6.945	15.000	
Toluene-D8	0.992	0.927	0.932	1.099	0.923	0.889	AVRG		0.96021		7.878	15.000	
P-Bromofluorobenzene	0.395	0.353	0.366	0.414	0.358	0.349	AVRG		0.37265		6.989	15.000	

Average %RSD test result.

Calculate Average %RSD: 7.267957211
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG2495-LCS	WG2495-1	83	78	89	92	0
02	WG2517-LCS	WG2517-1	117	118	114	118	0
03	WG2495-BLANK	WG2495-2	87	82	88	89	0
04	13GLM13S02	WT1187-13	85	82	86	84	0
05	13GLM13I02	WT1187-11	89	85	91	91	0
06	WG2517-BLANK	WG2517-2	114	118	114	115	0
07	13GLM7I02	WT1187-7	90	86	89	90	0
08	13GLM16D02	WT1187-5	84	81	88	87	0
09	13GLM16I02	WT1187-3	82	82	86	88	0
10	13GLM16S02	WT1187-1	81	77	85	84	0
11	13GLM17S02	WT1187-9	118	114	114	115	0
12	13L051903	WT1187-15	86	83	88	88	0
13	WG2510-LCS	WG2510-1	82	74	86	89	0
14	WG2510-BLANK	WG2510-2	82	82	86	85	0
15	13GLM18S02	WT1233-1	83	79	86	86	0
16	13GLM18I02	WT1233-3	85	84	89	91	0
17	13GLM18D02	WT1233-5	90	82	90	90	0
18	13GLM17I02	WT1233-7	89	85	89	90	0
19	13GLM17I02D	WT1233-9	85	79	81*	80	1
20	13GLM17D02	WT1233-11	84	83	90	88	0
21	10GLM03S02	WT1233-13	86	86	87	89	0
22	13TL052003	WT1233-15	88	84	87	89	0
23	13GLM18S02MS	WG2510-3	90	86	91	94	0
24	13GLM18S02MSD	WG2510-4	86	79	82	90	0
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(75-129)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(65-135)
SMC3 (TOL)	= Toluene-D8	(82-120)
SMC4 (BFB)	= P-Bromofluorobenzene	(69-125)

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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: MB329 BFB Injection Date: 06/02/03

Instrument ID: GCMS-M BFB Injection Time: 1708

GC Column: RTX-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	44.3
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	84.9
175	4.0 - 9.0% of mass 174	6.6 (7.7)1
176	95.0 - 101.0% of mass 174	84.4 (99.5)1
177	5.0 - 9.0% of mass 176	5.5 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSDT050M02B	M9079	06/02/03	1733
02	WG2517-LCS	WG2517-1	M9081	06/02/03	1850
03	WG2517-BLANK	WG2517-2	M9083	06/02/03	2006
04	13GLM17S02	WT1187-9	M9088	06/02/03	2318
05					
06					
07					
08					
09					
10					
11					
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-M Calibration Date: 06/02/03 Time: 1733

Lab File ID: M9079 Init. Calib. Date(s): 05/28/03 06/02/03

Init. Calib. Times: 1325 1811

GC Column: RTX-624 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	0.2100000	0.2262600	0.2262600	0.01	7.74		AVRG	
Chloromethane	43.339000	50.000000	0.3398300	0.1	-13.32		LINR	
Vinyl chloride	0.3330000	0.3441500	0.3441500	0.01	3.35	20.00	AVRG	
Bromomethane	36.704000	50.000000	0.1569600	0.01	-26.59		2RDR	
Chloroethane	0.2080000	0.2295900	0.2295900	0.01	10.38		AVRG	
Trichlorofluoromethane	0.3930000	0.4313700	0.4313700	0.01	9.76		AVRG	
1,1-Dichloroethene	0.3220000	0.3459100	0.3459100	0.1	7.42	20.00	AVRG	
Carbon Disulfide	1.1150000	1.1484000	1.1484000	0.01	3.00		AVRG	
Freon-113	0.2770000	0.2922100	0.2922100	0.01	5.49		AVRG	
Methylene Chloride	52.900000	50.000000	0.5238600	0.01	5.80		LINR	
Acetone	7.4e-002	4.18e-002	4.18e-002	0.01	-43.51		AVRG	
trans-1,2-Dichloroethene	0.3810000	0.3921900	0.3921900	0.01	2.94		AVRG	
Methyl tert-butyl ether	1.1450000	1.0914000	1.0914000	0.01	-4.68		AVRG	
1,1-Dichloroethane	0.5900000	0.6609800	0.6609800	0.1	12.03		AVRG	
cis-1,2-Dichloroethene	0.4280000	0.4371300	0.4371300	0.01	2.13		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.4146600	0.4146600	0.01	0.00		AVRG	<-
Chloroform	0.6100000	0.6355000	0.6355000	0.01	4.18	20.00	AVRG	
Carbon Tetrachloride	48.766000	50.000000	0.2930000	0.01	-2.47		LINR	
1,1,1-Trichloroethane	0.4890000	0.5160200	0.5160200	0.01	5.52		AVRG	
2-Butanone	7.2e-002	4.86e-002	4.86e-002	0.01	-32.50		AVRG	
Benzene	1.0470000	1.0490000	1.0490000	0.01	0.19		AVRG	
Cyclohexane	0.1090000			0.01	-100.00		AVRG	<-
1,2-Dichloroethane	0.3270000	0.3381000	0.3381000	0.01	3.39		AVRG	
Trichloroethene	0.2680000	0.2593000	0.2593000	0.01	-3.25		AVRG	
1,2-Dichloropropane	0.2660000	0.2686000	0.2686000	0.01	0.98	20.00	AVRG	
Bromodichloromethane	0.3220000	0.3343500	0.3343500	0.01	3.84		AVRG	
cis-1,3-dichloropropene	0.4150000	0.4414100	0.4414100	0.01	6.36		AVRG	
Toluene	0.6620000	0.6467600	0.6467600	0.01	-2.30	20.00	AVRG	
4-methyl-2-pentanone	0.3550000	0.2820800	0.2820800	0.01	-20.54		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-M Calibration Date: 06/02/03 Time: 1733

Lab File ID: M9079 Init. Calib. Date(s): 05/28/03 06/02/03

Init. Calib. Times: 1325 1811

GC Column: RTX-624 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	
Tetrachloroethene	53.217000	50.000000	0.2778500	0.01	6.43	20.00	LINR	
trans-1,3-Dichloropropene	0.3590000	0.3715000	0.3715000	0.01	3.48		AVRG	
1,1,2-Trichloroethane	0.2160000	0.2113400	0.2113400	0.01	-2.16		AVRG	
Dibromochloromethane	0.3540000	0.3636000	0.3636000	0.01	2.71		AVRG	
1,2-Dibromoethane	0.2910000	0.2853200	0.2853200	0.01	-1.95		AVRG	
2-Hexanone	0.3260000	0.2322000	0.2322000	0.01	-28.77		AVRG	
Chlorobenzene	0.8750000	0.8966400	0.8966400	0.3	2.47		AVRG	
Ethylbenzene	1.3590000	1.3598000	1.3598000	0.01	0.06	20.00	AVRG	
Xylenes (total)	0.0000000	0.5441800	0.5441800	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5370000	0.5491600	0.5491600	0.01	2.26		AVRG	
o-Xylene	0.5270000	0.5342100	0.5342100	0.01	1.37		AVRG	
Styrene	0.9300000	0.9540200	0.9540200	0.01	2.58		AVRG	
Bromoform	0.2540000	0.2452500	0.2452500	0.1	-3.44		AVRG	
Isopropylbenzene	2.2980000	2.3675000	2.3675000	0.01	3.02		AVRG	
1,1,2,2-Tetrachloroethane	0.8020000	0.7475900	0.7475900	0.3	-6.78		AVRG	
1,3-Dichlorobenzene	1.2910000	1.3054000	1.3054000	0.01	1.12		AVRG	
1,4-Dichlorobenzene	1.3430000	1.3405000	1.3405000	0.01	-0.19		AVRG	
1,2-Dichlorobenzene	1.2380000	1.2546000	1.2546000	0.01	1.34		AVRG	
1,2-Dibromo-3-Chloropropane	0.1430000	0.1143700	0.1143700	0.01	-20.02		AVRG	
1,2,4-Trichlorobenzene	41.070000	50.000000	0.5878800	0.01	-17.86	20.00	LINR	
Methyl Acetate	0.2720000			0.01	-100.00		AVRG	<-
Dibromofluoromethane	0.4300000	0.5025600	0.5025600	0.01	16.87		AVRG	
1,2-Dichloroethane-D4	0.4140000	0.4747000	0.4747000	0.01	14.66		AVRG	
Toluene-D8	0.9600000	1.0976000	1.0976000	0.01	14.33		AVRG	
P-Bromofluorobenzene	0.3720000	0.4311600	0.4311600	0.01	15.90		AVRG	

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/08/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2517-2
Client ID: WG2517-Blank
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2517
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.2
74-87-3	Chloromethane	U	1	1.0	1	1	0.3
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.1
74-83-9	Bromomethane	U	1	1.0	1	1	0.9
75-00-3	Chloroethane	U	1	1.0	1	1	0.3
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.3
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.5
75-09-2	Methylene Chloride		1	1.0	1	1	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.7
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.3
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.5
540-59-0	1,2-Dichloroethylene (total)	U	1	1.0	1	1	1
67-66-3	Chloroform	U	1	1.0	1	1	0.2
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	0.7
78-93-3	2-Butanone	U	3	1.0	3	3	2
71-43-2	Benzene	U	1	1.0	1	1	0.1
1735-17-7	Cyclohexane	U	2	1.0	2	2	2
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.6
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
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	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	3	1.0	3	3	2
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
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	3	1.0	3	3	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.1
1330-20-7	Xylenes (total)	U	1	1.0	1	1	0.3
	m+p-Xylenes	U	1	1.0	1	1	0.2
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.3
75-25-2	Bromoform	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/08/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2517-2
Client ID: WG2517-Blank
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2517
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
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	0.6
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		115%				
17060-07-0	1,2-Dichloroethane-D4		119%				
2037-26-5	Toluene-D8		115%				
460-00-4	P-Bromofluorobenzene		116%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/08/2003
Matrix: WATER

Lab ID: WG2517-1
Client ID: WG2517-LCS
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2517
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	44		89	4-217
Chloromethane	50	NA	40		81	40-163
Vinyl chloride	50	NA	48		97	55-151
Bromomethane	50	NA	8.1	*	16	24-217
Chloroethane	50	NA	56		113	69-134
Trichlorofluoromethane	50	NA	52		104	71-147
Diethyl Ether	50	NA	50		100	67-135
Tertiary-butyl alcohol	250	NA	410	*	164	58-146
1,1-Dichloroethene	50	NA	53		107	78-136
Carbon Disulfide	50	NA	46		92	70-136
Freon-113	50	NA	47		94	60-140
Iodomethane	50	NA	31		63	60-140
Acrolein	250	NA	226		90	0-199
Methylene Chloride	50	NA	52		104	52-115
Acetone	50	NA	49		97	0-158
Isobutyl Alcohol	1000	NA	775		78	60-140
trans-1,2-Dichloroethene	50	NA	51		103	84-131
Allyl Chloride	50	NA	56		112	60-140
Methyl tert-butyl ether	100	NA	98		98	62-130
Acetonitrile	500	NA	469		94	53-141
Di-isopropyl ether	50	NA	48		97	82-130
Hexane		NA				60-140
Chloroprene	50	NA	49		98	60-140
Methacrylonitrile	500	NA	518		104	60-140
Propionitrile	500	NA	454		91	60-140
1,1-Dichloroethane	50	NA	53		105	81-134
Acrylonitrile	250	NA	220		88	29-172
Ethyl tertiary-butyl ether	50	NA	48		96	85-124
Vinyl Acetate	50	NA	43		86	68-174
cis-1,2-Dichloroethene	50	NA	49		98	84-123
1,2-Dichloroethylene (total)	100	NA	100		100	84-131
Methyl Methacrylate	50	NA	46		91	60-140
2,2-Dichloropropane	50	NA	39		78	69-150
Bromochloromethane	50	NA	54		108	77-146
Chloroform	50	NA	52		103	80-130
Carbon Tetrachloride	50	NA	48		95	74-137
Tetrahydrofuran	50	NA	51		102	32-140
1,1,1-Trichloroethane	50	NA	51		102	76-138
1,1-Dichloropropene	50	NA	48		97	82-120
2-Butanone	50	NA	47		94	49-154
Benzene	50	NA	48		95	88-120
Cyclohexane		NA				60-140
Ethyl Methacrylate	50	NA	43		86	60-140
Methyl Acrylate	50	NA	9.2	*	18	60-140
Tertiary-amyl methyl ether	50	NA	47		93	85-125

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/08/2003
Matrix: WATER

Lab ID: WG2517-1
Client ID: WG2517-LCS
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2517
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2-Dichloroethane	50	NA	51		102	78-138
Trichloroethene	50	NA	42		83	80-125
Dibromomethane	50	NA	54		107	88-130
1,2-Dichloropropane	50	NA	49		98	80-122
Bromodichloromethane	50	NA	48		96	83-133
cis-1,3-dichloropropene	50	NA	50		99	81-138
1-Chlorohexane	50	NA	0.00	*	0	75-125
1,4-Dioxane	1000	NA	556	*	56	60-140
2-Chloroethylvinylether	50	NA	297	*	594	50-211
Toluene	50	NA	48		96	88-121
4-methyl-2-pentanone	50	NA	46		91	72-140
Tetrachloroethene	50	NA	47		93	77-129
trans-1,3-Dichloropropene	50	NA	53		106	81-149
1,1,2-Trichloroethane	50	NA	49		98	82-126
Dibromochloromethane	50	NA	49		97	80-133
1,3-Dichloropropane	50	NA	49		99	86-125
1,2-Dibromoethane	50	NA	50		100	88-127
2-Hexanone	50	NA	44		89	45-146
Chlorobenzene	50	NA	49		98	84-123
Ethylbenzene	50	NA	48		95	84-1314
1,1,1,2-Tetrachloroethane	50	NA	50		101	83-130
Xylenes (total)	150	NA	146		97	88-123
m+p-Xylenes	100	NA	97		97	88-122
o-Xylene	50	NA	49		98	90-123
Styrene	50	NA	49		98	87-131
Bromoform	50	NA	46		91	77-138
Isopropylbenzene	50	NA	52		104	88-125
cis-1,4-Dichloro-2-Butene	50	NA	39		78	60-140
trans-1,4-Dichloro-2-Butene	50	NA	38		75	60-140
Bromobenzene	50	NA	49		98	84-133
N-Propylbenzene	50	NA	49		97	88-124
2-bromo-1-chloropropane	50	NA	50		100	60-140
1,1,2,2-Tetrachloroethane	50	NA	48		96	81-131
1,3,5-Trimethylbenzene	50	NA	48		96	89-124
2-Chlorotoluene	50	NA	50		99	84-128
1,2,3-Trichloropropane	50	NA	40		81	76-132
4-Chlorotoluene	50	NA	50		100	86-132
tert-Butylbenzene	50	NA	49		98	82-131
Pentachloroethane	50	NA	43	*	86	140- 60
1,2,4-Trimethylbenzene	50	NA	48		95	88-121
P-Isopropyltoluene	50	NA	48		97	86-122
1,3-Dichlorobenzene	50	NA	50		100	86-124
1,4-Dichlorobenzene	50	NA	50		99	80-127
N-Butylbenzene	50	NA	48		95	81-133
sec-Butylbenzene	50	NA	48		96	85-122

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/08/2003
Matrix: WATER

Lab ID: WG2517-1
Client ID: WG2517-LCS
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2517
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2-Dichlorobenzene	50	NA	49	99	86-126
1,2-Dibromo-3-Chloropropane	50	NA	43	87	61-136
1,3,5-Trichlorobenzene	50	NA	46	92	67-128
Hexachlorobutadiene	50	NA	47	93	52-129
1,2,4-Trichlorobenzene	50	NA	44	87	53-157
1,2,3-Trimethylbenzene	50	NA	50	100	60-140
Naphthalene	50	NA	36	71	45-151
1,2,3-Trichlorobenzene	50	NA	42	84	30-164

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): M9079 Date Analyzed: 06/02/03

Instrument ID: GCMS-M Time Analyzed: 1733

GC Column: RTX-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		486008	9.82	734032	11.20	632674	17.30
UPPER LIMIT		972016	10.32	1468064	11.70	1265348	17.80
LOWER LIMIT		243004	9.32	367016	10.70	316337	16.80
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2517-LCS	WG2517-1	473281	9.82	719210	11.19	613679	17.30
02	WG2517-BLANK	WG2517-2	477141	9.81	718090	11.19	611536	17.30
03	13GLM17S02	WT1187-9	463585	9.80	706892	11.17	596591	17.29
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): M9079 Date Analyzed: 06/02/03

Instrument ID: GCMS-M Time Analyzed: 1733

GC Column: RTX-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		317250	22.79				
UPPER LIMIT		634500	23.29				
LOWER LIMIT		158625	22.29				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2517-LCS	WG2517-1	312809	22.78			
02	WG2517-BLANK	WG2517-2	304834	22.79			
03	13GLM17S02	WT1187-9	308593	22.77			
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: SB392 BFB Injection Date: 05/29/03

Instrument ID: GCMS-S BFB Injection Time: 0914

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	19.9
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	72.4
175	4.0 - 9.0% of mass 174	3.0 (4.1)1
176	95.0 - 101.0% of mass 174	71.1 (98.2)1
177	5.0 - 9.0% of mass 176	5.1 (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		VSTD050S29B	S6915	05/29/03	1031
02		VSTD020S29A	S6916	05/29/03	1137
03		VSTD005S29A	S6917	05/29/03	1210
04		VSTD001S29A	S6918	05/29/03	1244
05		VSTD200S29A	S6919	05/29/03	1317
06		VSTD100S29A	S6920	05/29/03	1349
07					
08					
09					
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22					

FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-S Calibration Date(s): 05/29/03 05/29/03

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1031 1349

LAB FILE ID: RF1: S6918 RF5: S6917 RF20: S6916
RF50: S6915 RF100: S6920 RF200: S6919

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Dichlorodifluoromethane	0.481	0.410	0.469	0.521	0.422	0.437	AVRG		0.45655		9.133	15.000	
Chloromethane	2897	12040	42077	96422	214980	426890	LINR	-9e-003	1.31179		0.99900	0.99000	
Vinyl chloride	0.742	0.644	0.661	0.764	0.596	0.640	AVRG		0.67463		9.584	15.000	
Bromomethane	947	4923	16282	49679	87084	181770	LINR	-2e-002	3.07625		0.99069	0.99000	
Chloroethane	1687	5521	21787	56990	118600	203480	LINR	-9e-002	2.70718		0.99338	0.99000	
Trichlorofluoromethane	0.711	0.767	0.830	0.911	0.778	0.794	AVRG		0.79850		8.474	15.000	
1,1-Dichloroethene	0.651	0.573	0.610	0.598	0.535	0.554	AVRG		0.58710		7.090	15.000	
Carbon Disulfide	2.423	2.204	2.294	2.611	2.024	2.170	AVRG		2.28771		9.016	15.000	
Freon-113	0.462	0.498	0.453	0.522	0.434	0.437	AVRG		0.46758		7.554	15.000	
Methylene Chloride	5907	16085	54673	131980	255210	492550	LINR	-7e-002	1.14334		0.99594	0.99000	
Acetone	0.132	0.117	0.124	0.150	0.095	0.107	AVRG		0.12064		15.923	15.000	<-
trans-1,2-Dichloroethene	0.731	0.688	0.716	0.794	0.632	0.648	AVRG		0.70165		8.446	15.000	
Methyl tert-butyl ether	1.758	1.808	1.948	2.257	1.685	1.777	AVRG		1.87234		11.079	15.000	
1,1-Dichloroethane	1.350	1.323	1.345	1.556	1.203	1.273	AVRG		1.34177		8.837	15.000	
cis-1,2-Dichloroethene	0.887	0.771	0.765	0.826	0.674	0.702	AVRG		0.77062		10.151	15.000	
1,2-Dichloroethylene (total)							AVRG					0.000	
Chloroform	1.442	1.275	1.275	1.417	1.137	1.193	AVRG		1.28975		9.334	15.000	
Carbon Tetrachloride	0.462	0.477	0.486	0.556	0.497	0.501	AVRG		0.49660		6.513	15.000	
1,1,1-Trichloroethane	0.992	0.883	0.969	1.088	0.881	0.924	AVRG		0.95642		8.218	15.000	
2-Butanone	0.051	0.085	0.108	0.136	0.089	0.100	AVRG		9e-002		29.643	15.000	<-
Benzene	1.966	1.797	1.841	2.000	1.706	1.728	AVRG		1.83965		6.606	15.000	
Cyclohexane							AVRG					0.000	
1,2-Dichloroethane	244	11754	48865	128200	245200	491740	LINR	-2e-002	1.80533		0.99721	0.99000	
Trichloroethene	0.382	0.429	0.427	0.478	0.406	0.406	AVRG		0.42146		7.762	15.000	
1,2-Dichloropropane	0.510	0.476	0.483	0.528	0.446	0.456	AVRG		0.48309		6.468	15.000	
Bromodichloromethane	0.588	0.596	0.562	0.655	0.559	0.568	AVRG		0.58810		6.101	15.000	
cis-1,3-dichloropropene	0.764	0.721	0.747	0.827	0.714	0.729	AVRG		0.75027		5.590	15.000	
Toluene	1.054	1.031	1.002	1.114	0.965	0.969	AVRG		1.02256		5.547	15.000	
4-methyl-2-pentanone	0.370	0.358	0.385	0.482	0.326	0.349	AVRG		0.37832		14.488	15.000	
Tetrachloroethene	0.393	0.347	0.363	0.410	0.374	0.355	AVRG		0.37392		6.443	15.000	
trans-1,3-Dichloropropene	0.574	0.592	0.609	0.697	0.567	0.594	AVRG		0.60555		7.783	15.000	
1,1,2-Trichloroethane	0.327	0.309	0.317	0.362	0.290	0.289	AVRG		0.31561		8.593	15.000	
Dibromochloromethane	0.435	0.435	0.471	0.542	0.472	0.466	AVRG		0.47013		8.331	15.000	
1,2-Dibromoethane	0.300	0.345	0.363	0.411	0.329	0.345	AVRG		0.34901		10.583	15.000	
2-Hexanone	0.356	0.385	0.428	0.529	0.360	0.383	AVRG		0.40669		16.009	15.000	<-
Chlorobenzene	1.167	1.261	1.267	1.381	1.194	1.191	AVRG		1.24347		6.325	15.000	
Ethylbenzene	2.426	2.087	2.188	2.389	2.095	2.075	AVRG		2.20999		7.175	15.000	
Xylenes (total)							AVRG					0.000	
m+p-Xylenes	0.808	0.763	0.795	0.869	0.758	0.738	AVRG		0.78832		5.975	15.000	
o-Xylene	0.702	0.702	0.748	0.828	0.730	0.729	AVRG		0.73985		6.318	15.000	
Styrene	1.123	1.158	1.276	1.470	1.311	1.304	AVRG		1.27358		9.753	15.000	
Bromoform	0.218	0.218	0.267	0.312	0.254	0.268	AVRG		0.25617		13.803	15.000	
Isopropylbenzene	951	30900	124770	321950	648490	1250500	LINR	-7e-002	0.31159		0.99546	0.99000	
1,1,2,2-Tetrachloroethane	0.935	1.106	1.082	1.288	0.913	0.917	AVRG		1.04030		14.266	15.000	

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-S Calibration Date(s): 05/29/03 05/29/03

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1031 1349

LAB FILE ID: RF1: S6918 RF5: S6917 RF20: S6916
RF50: S6915 RF100: S6920 RF200: S6919

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
1,3-Dichlorobenzene	1.968	1.978	2.042	2.130	1.821	1.730	AVRG		1.94504		7.512	15.000	
1,4-Dichlorobenzene	2.133	1.874	2.008	2.169	1.822	1.724	AVRG		1.95499		9.093	15.000	
1,2-Dichlorobenzene	1.796	1.781	1.837	1.997	1.649	1.606	AVRG		1.77783		7.877	15.000	
1,2-Dibromo-3-Chloropropane	1364	3432	11940	32780	56379	114670	LINR	-0.1093	3.44985		0.99136	0.99000	
1,2,4-Trichlorobenzene	1962	9484	32245	85172	149120	288820	2ORDR	-2e-002	0.98086	0.13120	0.99606	0.99000	
Methylcyclohexane							AVRG					0.000	<-
Methyl Acetate							AVRG					0.000	<-
Dibromofluoromethane	0.640	0.685	0.706	0.628	0.668	0.683	AVRG		0.66839		4.429	15.000	
1,2-Dichloroethane-D4	297	10527	43487	84517	214000	424920	LINR	2e-002	1.31041		0.99898	0.99000	
Toluene-D8	1.468	1.422	1.305	1.162	1.318	1.323	AVRG		1.33313		7.965	15.000	
P-Bromofluorobenzene	0.629	0.565	0.540	0.496	0.548	0.539	AVRG		0.55293		7.921	15.000	

Average %RSD test result.

Calculate Average %RSD: 13.63458920
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: SB397 BFB Injection Date: 06/02/03

Instrument ID: GCMS-S BFB Injection Time: 1610

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	22.6
75	30.0 - 60.0% of mass 95	40.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	74.0
175	4.0 - 9.0% of mass 174	3.3 (4.5)1
176	95.0 - 101.0% of mass 174	70.8 (95.6)1
177	5.0 - 9.0% of mass 176	4.9 (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		VSTD050S02C	S6981	06/02/03	1632
02	WG2495-LCS	WG2495-1	S6982	06/02/03	1715
03	WG2495-BLANK	WG2495-2	S6985	06/02/03	1857
04	13GLM13S02	WT1187-13	S6986	06/02/03	1930
05	13GLM13I02	WT1187-11	S6987	06/02/03	2003
06	13GLM7I02	WT1187-7	S6989	06/02/03	2109
07	13GLM16D02	WT1187-5	S6990	06/02/03	2142
08	13GLM16I02	WT1187-3	S6991	06/02/03	2215
09	13GLM16S02	WT1187-1	S6992	06/02/03	2248
10	13L051903	WT1187-15	S6993	06/02/03	2320
11					
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-S Calibration Date: 06/02/03 Time: 1632

Lab File ID: S6981 Init. Calib. Date(s): 05/29/03 06/02/03

Init. Calib. Times: 1031 1751

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	0.4570000	0.4522800	0.4522800	0.01	-1.03		AVRG	
Chloromethane	22.014000	50.000000	0.3426700	0.1	-55.97		LINR	
Vinyl chloride	0.6740000	0.4758700	0.4758700	0.01	-29.40	20.00	AVRG	<-
Bromomethane	94.162000	50.000000	0.6189100	0.01	88.32		LINR	
Chloroethane	38.304000	50.000000	0.3147400	0.01	-23.39		LINR	
Trichlorofluoromethane	0.7980000	0.8777400	0.8777400	0.01	9.99		AVRG	
1,1-Dichloroethene	0.5870000	0.5301100	0.5301100	0.1	-9.69	20.00	AVRG	
Carbon Disulfide	2.2880000	1.7036000	1.7036000	0.01	-25.54		AVRG	
Freon-113	0.4680000	0.4386600	0.4386600	0.01	-6.27		AVRG	
Methylene Chloride	41.562000	50.000000	0.7919800	0.01	-16.88		LINR	
Acetone	0.1210000	3.3e-002	3.3e-002	0.01	-72.73		AVRG	
trans-1,2-Dichloroethene	0.7020000	0.6171600	0.6171600	0.01	-12.08		AVRG	
Methyl tert-butyl ether	1.8720000	1.4928000	1.4928000	0.01	-20.26		AVRG	
1,1-Dichloroethane	1.3420000	0.9941200	0.9941200	0.01	-25.92		AVRG	
cis-1,2-Dichloroethene	0.7710000	0.6827600	0.6827600	0.01	-11.44		AVRG	
1,2-Dichloroethylene (total)	0.0000000	1.2999000	1.2999000	0.01	0.00		AVRG	<-
Chloroform	1.2900000	1.1393000	1.1393000	0.01	-11.68	20.00	AVRG	
Carbon Tetrachloride	0.4960000	0.5316200	0.5316200	0.01	7.18		AVRG	
1,1,1-Trichloroethane	0.9560000	0.9964800	0.9964800	0.01	4.23		AVRG	
2-Butanone	9.5e-002	4.43e-002	4.43e-002	0.01	-53.37		AVRG	
Benzene	1.8400000	1.4687000	1.4687000	0.01	-20.18		AVRG	
Cyclohexane	0.3050000	3.49e-002	3.49e-002	0.01	-88.56		AVRG	
1,2-Dichloroethane	2.9086000	50.000000	4.23e-002	0.01	-94.18		LINR	
Trichloroethene	0.4210000	0.4475900	0.4475900	0.01	6.32		AVRG	
1,2-Dichloropropane	0.4830000	0.3446600	0.3446600	0.01	-28.64	20.00	AVRG	<-
Bromodichloromethane	0.5880000	0.5817200	0.5817200	0.01	-1.07		AVRG	
cis-1,3-dichloropropene	0.7500000	0.6253600	0.6253600	0.01	-16.62		AVRG	
Toluene	1.0220000	0.9987900	0.9987900	0.01	-2.27	20.00	AVRG	
4-methyl-2-pentanone	0.3780000	0.2640400	0.2640400	0.01	-30.15		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-S Calibration Date: 06/02/03 Time: 1632

Lab File ID: S6981 Init. Calib. Date(s): 05/29/03 06/02/03

Init. Calib. Times: 1031 1751

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	
Tetrachloroethene	0.3740000	0.3955900	0.3955900	0.01	5.77		AVRG	
trans-1,3-Dichloropropene	0.6060000	0.5384000	0.5384000	0.01	-11.16		AVRG	
1,1,2-Trichloroethane	0.3160000	0.2703100	0.2703100	0.01	-14.46		AVRG	
Dibromochloromethane	0.4700000	0.4674700	0.4674700	0.01	-0.54		AVRG	
1,2-Dibromoethane	0.3490000	0.3607700	0.3607700	0.01	3.37		AVRG	
2-Hexanone	0.4070000	0.2086200	0.2086200	0.01	-48.74		AVRG	
Chlorobenzene	1.2440000	1.2761000	1.2761000	0.3	2.58		AVRG	
Ethylbenzene	2.2100000	2.1730000	2.1730000	0.01	-1.67	20.00	AVRG	
Xylenes (total)	0.0000000	2.4133000	2.4133000	0.01	0.00		AVRG	<-
m+p-Xylenes	0.7880000	0.8141400	0.8141400	0.01	3.32		AVRG	
o-Xylene	0.7400000	0.7850700	0.7850700	0.01	6.09		AVRG	
Styrene	1.2740000	1.3778000	1.3778000	0.01	8.15		AVRG	
Bromoform	0.2560000	0.2856000	0.2856000	0.1	11.56		AVRG	
Isopropylbenzene	6.4920000	50.000000	0.6378100	0.01	-87.02		LINR	
1,1,2,2-Tetrachloroethane	1.0400000	0.9137800	0.9137800	0.3	-12.14		AVRG	
1,3-Dichlorobenzene	1.9450000	1.9550000	1.9550000	0.01	0.51		AVRG	
1,4-Dichlorobenzene	1.9550000	2.0319000	2.0319000	0.01	3.93		AVRG	
1,2-Dichlorobenzene	1.7780000	1.8091000	1.8091000	0.01	1.75		AVRG	
1,2-Dibromo-3-Chloropropane	48.362000	50.000000	0.3120500	0.01	-3.28		LINR	
1,2,4-Trichlorobenzene	46.736000	50.000000	0.8680600	0.01	-6.53		2RDR	
Methylcyclohexane	0.4170000	0.4002600	0.4002600	0.01	-4.01		AVRG	
Methyl Acetate	2.4e-002			0.01	-100.00		AVRG	<-
Dibromofluoromethane	0.6680000	0.5419800	0.5419800	0.01	-18.86		AVRG	
1,2-Dichloroethane-D4	7.2825000	50.000000	9.37e-002	0.01	-85.44		LINR	
Toluene-D8	1.3330000	1.1505000	1.1505000	0.01	-13.69		AVRG	
P-Bromofluorobenzene	0.5530000	0.5000600	0.5000600	0.01	-9.57		AVRG	

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2495-2
Client ID: WG2495-Blank
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.1
74-83-9	Bromomethane	U	2	1.0	2	2	0.9
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.3
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.5
75-09-2	Methylene Chloride	U	1	1.0	1	1	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.7
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.3
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.5
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	1
67-66-3	Chloroform	U	1	1.0	1	1	0.2
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	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	1	1.0	1	1	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.6
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
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	0.4
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	2
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
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
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	0.1
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.2
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.3
75-25-2	Bromoform	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2495-2
Client ID: WG2495-Blank
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
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	0.6
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		89%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER

Lab ID: WG2495-1
Client ID: WG2495-LCS
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	42		84	4-217
Chloromethane	50	NA	24		49	40-163
Vinyl chloride	50	NA	39		77	55-151
Bromomethane	50	NA	91		182	24-217
Chloroethane	50	NA	43		86	69-134
Trichlorofluoromethane	50	NA	55		110	71-147
Diethyl Ether	50	NA	34		69	67-135
Tertiary-butyl alcohol	250	NA	111	*	44	58-146
1,1-Dichloroethene	50	NA	49		97	78-136
Carbon Disulfide	50	NA	35	*	69	70-136
Freon-113	50	NA	47		95	60-140
Iodomethane	50	NA	49		99	60-140
Acrolein	250	NA	137		55	0-199
Methylene Chloride	50	NA	42		85	52-115
Acetone	50	NA	20		39	0-158
Isobutyl Alcohol	1000	NA	110	*	11	60-140
trans-1,2-Dichloroethene	50	NA	47		95	84-131
Allyl Chloride	50	NA	30		60	60-140
Methyl tert-butyl ether	100	NA	77		77	62-130
Acetonitrile	500	NA	313		63	53-141
Di-isopropyl ether	50	NA	34	*	67	82-130
Hexane	50	NA	0.00	*	0	60-140
Chloroprene	50	NA	41		81	60-140
Methacrylonitrile	500	NA	334		67	60-140
Propionitrile	500	NA	271	*	54	60-140
1,1-Dichloroethane	50	NA	38	*	76	81-134
Acrylonitrile	250	NA	58	*	23	29-172
Ethyl tertiary-butyl ether	50	NA	36	*	71	85-124
Vinyl Acetate	50	NA	37		73	68-174
cis-1,2-Dichloroethene	50	NA	44		87	84-123
1,2-Dichloroethylene (total)	100	NA	91		91	84-131
Methyl Methacrylate	50	NA	36		72	60-140
2,2-Dichloropropane		NA				69-150
Bromochloromethane	50	NA	43		86	77-146
Chloroform	50	NA	44		88	80-130
Carbon Tetrachloride	50	NA	55		109	74-137
Tetrahydrofuran	50	NA	27		53	32-140
1,1,1-Trichloroethane	50	NA	52		104	76-138
1,1-Dichloropropene	50	NA	43		86	82-120
2-Butanone	50	NA	24	*	48	49-154
Benzene	50	NA	41	*	81	88-120
Cyclohexane	50	NA	5.7	*	11	60-140
Ethyl Methacrylate	50	NA	33		66	60-140
Methyl Acrylate		NA				60-140
Tertiary-amyl methyl ether	50	NA	36	*	72	85-125

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER

Lab ID: WG2495-1
Client ID: WG2495-LCS
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2-Dichloroethane	50	NA	2.3	*	5	78-138
Trichloroethene	50	NA	46		92	80-125
Dibromomethane	50	NA	49		99	88-130
1,2-Dichloropropane	50	NA	36	*	71	80-122
Bromodichloromethane	50	NA	47		93	83-133
cis-1,3-dichloropropene	50	NA	43		86	81-138
1-Chlorohexane	50	NA	0.00	*	0	75-125
1,4-Dioxane	1000	NA	90	*	9	60-140
2-Chloroethylvinylether	50	NA	46		93	50-211
Toluene	50	NA	50		100	88-121
4-methyl-2-pentanone	50	NA	32	*	64	72-140
Tetrachloroethene	50	NA	51		102	77-129
trans-1,3-Dichloropropene	50	NA	47		94	81-149
1,1,2-Trichloroethane	50	NA	41		82	82-126
Dibromochloromethane	50	NA	48		97	80-133
1,3-Dichloropropane	50	NA	39	*	78	86-125
1,2-Dibromoethane	50	NA	51		103	88-127
2-Hexanone	50	NA	25		49	45-146
Chlorobenzene	50	NA	53		106	84-123
Ethylbenzene	50	NA	49		98	84-134
1,1,1,2-Tetrachloroethane	50	NA	49		99	83-130
Xylenes (total)	150	NA	156		104	88-123
m+p-Xylenes	100	NA	103		103	88-122
o-Xylene	50	NA	53		106	90-123
Styrene	50	NA	54		107	87-131
Bromoform	50	NA	53		107	77-138
Isopropylbenzene	50	NA	6.8	*	14	88-125
cis-1,4-Dichloro-2-Butene	50	NA	44		89	60-140
trans-1,4-Dichloro-2-Butene	50	NA	44		87	60-140
Bromobenzene	50	NA	50		100	84-133
N-Propylbenzene	50	NA	50		99	88-124
2-bromo-1-chloropropane	50	NA	44		89	60-140
1,1,2,2-Tetrachloroethane	50	NA	37	*	74	81-131
1,3,5-Trimethylbenzene	50	NA	56		112	89-124
2-Chlorotoluene	50	NA	50		99	84-128
1,2,3-Trichloropropane	50	NA	2.7	*	5	76-132
4-Chlorotoluene	50	NA	51		101	86-132
tert-Butylbenzene	50	NA	67	*	134	82-131
Pentachloroethane	50	NA	45		90	60-140
1,2,4-Trimethylbenzene	50	NA	51		102	88-121
P-Isopropyltoluene	50	NA	44		87	86-122
1,3-Dichlorobenzene	50	NA	51		102	86-124
1,4-Dichlorobenzene	50	NA	52		104	80-127
N-Butylbenzene	50	NA	2.7	*	5	81-133
sec-Butylbenzene	50	NA	46		92	85-122

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/02/03
Report Date: 07/07/2003
Matrix: WATER

Lab ID: WG2495-1
Client ID: WG2495-LCS
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2495
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2-Dichlorobenzene	50	NA	48	96	86-126
1,2-Dibromo-3-Chloropropane	50	NA	43	86	61-136
1,3,5-Trichlorobenzene	50	NA	46	92	67-128
Hexachlorobutadiene	50	NA	50	99	52-129
1,2,4-Trichlorobenzene	50	NA	41	81	53-157
1,2,3-Trimethylbenzene	50	NA	52	105	60-140
Naphthalene	50	NA	28	55	45-151
1,2,3-Trichlorobenzene	50	NA	24	48	30-164

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): S6981 Date Analyzed: 06/02/03

Instrument ID: GCMS-S Time Analyzed: 1632

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		98496	9.83	145848	10.45	122704	13.52
UPPER LIMIT		196992	10.33	291696	10.95	245408	14.02
LOWER LIMIT		49248	9.33	72924	9.95	61352	13.02
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2495-LCS	WG2495-1	99142	9.84	148600	10.45	127533	13.53
02 WG2495-BLANK	WG2495-2	93875	9.84	143219	10.45	119233	13.53
03 13GLM13S02	WT1187-13	94120	9.84	142313	10.45	113397	13.53
04 13GLM13I02	WT1187-11	93551	9.84	141307	10.45	118031	13.53
05 13GLM7I02	WT1187-7	93413	9.84	146219	10.45	118860	13.53
06 13GLM16D02	WT1187-5	96693	9.84	144547	10.45	116322	13.52
07 13GLM16I02	WT1187-3	94745	9.84	144684	10.44	117433	13.53
08 13GLM16S02	WT1187-1	94908	9.84	145149	10.45	119869	13.53
09 13L051903	WT1187-15	92564	9.83	144451	10.44	117695	13.52
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): S6981 Date Analyzed: 06/02/03

Instrument ID: GCMS-S Time Analyzed: 1632

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		60545	15.13				
UPPER LIMIT		121090	15.63				
LOWER LIMIT		30273	14.63				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2495-LCS	WG2495-1	63099	15.13				
02 WG2495-BLANK	WG2495-2	54602	15.13				
03 13GLM13S02	WT1187-13	52026	15.13				
04 13GLM13I02	WT1187-11	54456	15.13				
05 13GLM7I02	WT1187-7	55379	15.13				
06 13GLM16D02	WT1187-5	55375	15.13				
07 13GLM16I02	WT1187-3	52506	15.13				
08 13GLM16S02	WT1187-1	55505	15.13				
09 13L051903	WT1187-15	52889	15.13				
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 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: SB398 BFB Injection Date: 06/03/03

Instrument ID: GCMS-S BFB Injection Time: 0857

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	21.7
75	30.0 - 60.0% of mass 95	43.5
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	75.2
175	4.0 - 9.0% of mass 174	4.4 (5.9)1
176	95.0 - 101.0% of mass 174	72.5 (96.4)1
177	5.0 - 9.0% of mass 176	4.7 (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		VSTD050S03A	S6996	06/03/03	0925
02	WG2510-LCS	WG2510-1	S6998	06/03/03	1111
03	WG2510-BLANK	WG2510-2	S7001	06/03/03	1258
04	13GLM18S02	WT1233-1	S7003	06/03/03	1425
05	13GLM18I02	WT1233-3	S7004	06/03/03	1458
06	13GLM18D02	WT1233-5	S7005	06/03/03	1531
07	13GLM17I02	WT1233-7	S7006	06/03/03	1604
08	13GLM17I02D	WT1233-9	S7007	06/03/03	1637
09	13GLM17D02	WT1233-11	S7008	06/03/03	1710
10	10GLM03S02	WT1233-13	S7009	06/03/03	1743
11	13TL052003	WT1233-15	S7010	06/03/03	1816
12	13GLM18S02MS	WG2510-3	S7013	06/03/03	1955
13	13GLM18S02MSD	WG2510-4	S7014	06/03/03	2028
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-S Calibration Date: 06/03/03 Time: 0925

Lab File ID: S6996 Init. Calib. Date(s): 05/29/03 06/03/03

Init. Calib. Times: 1031 1153

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	0.4570000	0.5207100	0.5207100	0.01	13.94		AVRG	
Chloromethane	27.118000	50.000000	0.8076800	0.1	-45.76		LINR	
Vinyl chloride	0.6740000	0.7640200	0.7640200	0.01	13.36	20.00	AVRG	
Bromomethane	67.491000	50.000000	0.4161300	0.01	34.98		LINR	
Chloroethane	45.537000	50.000000	0.4773800	0.01	-8.93		LINR	
Trichlorofluoromethane	0.7980000	0.9112700	0.9112700	0.01	14.19		AVRG	
1,1-Dichloroethene	0.5870000	0.5981400	0.5981400	0.1	1.90	20.00	AVRG	
Carbon Disulfide	2.2880000	2.6106000	2.6106000	0.01	14.10		AVRG	
Freon-113	0.4680000	0.5219700	0.5219700	0.01	11.53		AVRG	
Methylene Chloride	42.978000	50.000000	1.1056000	0.01	-14.04		LINR	
Acetone	0.1210000	0.1497000	0.1497000	0.01	23.72		AVRG	
trans-1,2-Dichloroethene	0.7020000	0.7943700	0.7943700	0.01	13.16		AVRG	
Methyl tert-butyl ether	1.8720000	2.2574000	2.2574000	0.01	20.59		AVRG	
1,1-Dichloroethane	1.3420000	1.5561000	1.5561000	0.01	15.95		AVRG	
cis-1,2-Dichloroethene	0.7710000	0.8255800	0.8255800	0.01	7.08		AVRG	
1,2-Dichloroethylene (total)	0.0000000	1.6200000	1.6200000	0.01	0.00		AVRG	<-
Chloroform	1.2900000	1.4169000	1.4169000	0.01	9.84	20.00	AVRG	
Carbon Tetrachloride	0.4960000	0.5561600	0.5561600	0.01	12.13		AVRG	
1,1,1-Trichloroethane	0.9560000	1.0884000	1.0884000	0.01	13.85		AVRG	
2-Butanone	9.5e-002	0.1360400	0.1360400	0.01	43.20		AVRG	
Benzene	1.8400000	1.9998000	1.9998000	0.01	8.68		AVRG	
Cyclohexane	0.0000000			0.01	0.00		AVRG	<-
1,2-Dichloroethane	53.140000	50.000000	0.6490900	0.01	6.28		LINR	
Trichloroethene	0.4210000	0.4784900	0.4784900	0.01	13.66		AVRG	
1,2-Dichloropropane	0.4830000	0.5278300	0.5278300	0.01	9.28	20.00	AVRG	
Bromodichloromethane	0.5880000	0.6552200	0.6552200	0.01	11.43		AVRG	
cis-1,3-dichloropropene	0.7500000	0.8273500	0.8273500	0.01	10.31		AVRG	
Toluene	1.0220000	1.1143000	1.1143000	0.01	9.03	20.00	AVRG	
4-methyl-2-pentanone	0.3780000	0.4825900	0.4825900	0.01	27.67		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-S Calibration Date: 06/03/03 Time: 0925

Lab File ID: S6996 Init. Calib. Date(s): 05/29/03 06/03/03

Init. Calib. Times: 1031 1153

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	
Tetrachloroethene	0.3740000	0.4103700	0.4103700	0.01	9.72		AVRG	
trans-1,3-Dichloropropene	0.6060000	0.6966500	0.6966500	0.01	14.96		AVRG	
1,1,2-Trichloroethane	0.3160000	0.3615900	0.3615900	0.01	14.43		AVRG	
Dibromochloromethane	0.4700000	0.5420400	0.5420400	0.01	15.33		AVRG	
1,2-Dibromoethane	0.3490000	0.4107000	0.4107000	0.01	17.68		AVRG	
2-Hexanone	0.4070000	0.5288900	0.5288900	0.01	29.95		AVRG	
Chlorobenzene	1.2440000	1.3812000	1.3812000	0.3	11.03		AVRG	
Ethylbenzene	2.2100000	2.3886000	2.3886000	0.01	8.08	20.00	AVRG	
Xylenes (total)	0.0000000	2.5663000	2.5663000	0.01	0.00		AVRG	<-
m+p-Xylenes	0.7880000	0.8690800	0.8690800	0.01	10.29		AVRG	
o-Xylene	0.7400000	0.8281200	0.8281200	0.01	11.91		AVRG	
Styrene	1.2740000	1.4700000	1.4700000	0.01	15.38		AVRG	
Bromoform	0.2560000	0.3118300	0.3118300	0.1	21.81		AVRG	
Isopropylbenzene	56.185000	50.000000	3.9788000	0.01	12.37		LINR	
1,1,2,2-Tetrachloroethane	1.0400000	1.2884000	1.2884000	0.3	23.88		AVRG	
1,3-Dichlorobenzene	1.9450000	2.1304000	2.1304000	0.01	9.53		AVRG	
1,4-Dichlorobenzene	1.9550000	2.1692000	2.1692000	0.01	10.96		AVRG	
1,2-Dichlorobenzene	1.7780000	1.9974000	1.9974000	0.01	12.34		AVRG	
1,2-Dibromo-3-Chloropropane	49.072000	50.000000	0.4051100	0.01	-1.86		LINR	
1,2,4-Trichlorobenzene	43.244000	50.000000	1.0526000	0.01	-13.51		2RDR	
Methylcyclohexane	0.1270000			0.01	-100.00		AVRG	<-
Methyl Acetate	0.0000000			0.01	0.00		AVRG	<-
Dibromofluoromethane	0.6680000	0.6275900	0.6275900	0.01	-6.05		AVRG	
1,2-Dichloroethane-D4	39.464000	50.000000	0.7079500	0.01	-21.07		LINR	
Toluene-D8	1.3330000	1.1625000	1.1625000	0.01	-12.79		AVRG	
P-Bromofluorobenzene	0.5530000	0.4963600	0.4963600	0.01	-10.24		AVRG	

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2510-2
Client ID: WG2510-Blank
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.1
74-83-9	Bromomethane	U	2	1.0	2	2	0.9
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.3
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.5
75-09-2	Methylene Chloride	U	1	1.0	1	1	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.7
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.3
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.5
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	1
67-66-3	Chloroform	U	1	1.0	1	1	0.2
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	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	1	1.0	1	1	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.6
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
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	0.4
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	2
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
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
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	0.1
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.2
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.3
75-25-2	Bromoform	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2510-2
Client ID: WG2510-Blank
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
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	0.6
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		85%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER

Lab ID: WG2510-1
Client ID: WG2510-LCS
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	17		33	4-217
Chloromethane	50	NA	19	*	37	40-163
Vinyl chloride	50	NA	28		56	55-151
Bromomethane	50	NA	57		114	24-217
Chloroethane	50	NA	36		72	69-134
Trichlorofluoromethane	50	NA	50		100	71-147
Diethyl Ether	50	NA	34		68	67-135
Tertiary-butyl alcohol	250	NA	137	*	55	58-146
1,1-Dichloroethene	50	NA	44		88	78-136
Carbon Disulfide	50	NA	31	*	63	70-136
Freon-113	50	NA	48		97	60-140
Iodomethane	50	NA	38		77	60-140
Acrolein	250	NA	146		58	0-199
Methylene Chloride	50	NA	42		85	52-115
Acetone	50	NA	20		41	0-158
Isobutyl Alcohol	1000	NA	115	*	12	60-140
trans-1,2-Dichloroethene	50	NA	47		93	84-131
Allyl Chloride	50	NA	28	*	56	60-140
Methyl tert-butyl ether	100	NA	80		80	62-130
Acetonitrile	500	NA	295		59	53-141
Di-isopropyl ether	50	NA	36	*	71	82-130
Hexane	50	NA	0.00	*	0	60-140
Chloroprene	50	NA	45		89	60-140
Methacrylonitrile	500	NA	336		67	60-140
Propionitrile	500	NA	279	*	56	60-140
1,1-Dichloroethane	50	NA	40	*	80	81-134
Acrylonitrile	250	NA	124		50	29-172
Ethyl tertiary-butyl ether	50	NA	39	*	78	85-124
Vinyl Acetate	50	NA	37		74	68-174
cis-1,2-Dichloroethene	50	NA	44		89	84-123
1,2-Dichloroethylene (total)	100	NA	91		91	84-131
Methyl Methacrylate	50	NA	38		76	60-140
2,2-Dichloropropane	50	NA	46		91	69-150
Bromochloromethane	50	NA	38	*	76	77-146
Chloroform	50	NA	46		93	80-130
Carbon Tetrachloride	50	NA	52		105	74-137
Tetrahydrofuran	50	NA	29		58	32-140
1,1,1-Trichloroethane	50	NA	54		107	76-138
1,1-Dichloropropene	50	NA	44		87	82-120
2-Butanone	50	NA	43		85	49-154
Benzene	50	NA	40	*	80	88-120
Cyclohexane		NA				60-140
Ethyl Methacrylate	50	NA	35		70	60-140
Methyl Acrylate	50	NA	0.00	*	0	60-140
Tertiary-amyl methyl ether	50	NA	39	*	78	85-125

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER

Lab ID: WG2510-1
Client ID: WG2510-LCS
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2-Dichloroethane	50	NA	51		102	78-138
Trichloroethene	50	NA	47		94	80-125
Dibromomethane	50	NA	48		96	88-130
1,2-Dichloropropane	50	NA	36	*	73	80-122
Bromodichloromethane	50	NA	47		94	83-133
cis-1,3-dichloropropene	50	NA	43		86	81-138
1-Chlorohexane		NA				75-125
1,4-Dioxane		NA				60-140
2-Chloroethylvinylether		NA				50-211
Toluene	50	NA	49		98	88-121
4-methyl-2-pentanone	50	NA	32	*	64	72-140
Tetrachloroethene	50	NA	54		108	77-129
trans-1,3-Dichloropropene	50	NA	46		92	81-149
1,1,2-Trichloroethane	50	NA	42		83	82-126
Dibromochloromethane	50	NA	50		101	80-133
1,3-Dichloropropane	50	NA	41	*	82	86-125
1,2-Dibromoethane	50	NA	49		98	88-127
2-Hexanone	50	NA	29		58	45-146
Chlorobenzene	50	NA	56		111	84-123
Ethylbenzene	50	NA	53		105	84-134
1,1,1,2-Tetrachloroethane	50	NA	51		102	83-130
Xylenes (total)	150	NA	171		114	88-123
m+p-Xylenes	100	NA	113		113	88-122
o-Xylene	50	NA	58		117	90-123
Styrene	50	NA	57		114	87-131
Bromoform	50	NA	54		107	77-138
Isopropylbenzene	50	NA	60		120	88-125
cis-1,4-Dichloro-2-Butene	50	NA	45		90	60-140
trans-1,4-Dichloro-2-Butene	50	NA	47		95	60-140
Bromobenzene	50	NA	54		109	84-133
N-Propylbenzene	50	NA	55		109	88-124
2-bromo-1-chloropropane	50	NA	47		95	60-140
1,1,2,2-Tetrachloroethane	50	NA	40	*	80	81-131
1,3,5-Trimethylbenzene	50	NA	57		114	89-124
2-Chlorotoluene	50	NA	55		109	84-128
1,2,3-Trichloropropane	50	NA	40		79	76-132
4-Chlorotoluene	50	NA	56		112	86-132
tert-Butylbenzene	50	NA	54		109	82-131
Pentachloroethane	50	NA	52		105	60-140
1,2,4-Trimethylbenzene	50	NA	55		109	88-121
P-Isopropyltoluene	50	NA	58		117	86-122
1,3-Dichlorobenzene	50	NA	53		107	86-124
1,4-Dichlorobenzene	50	NA	54		108	80-127
N-Butylbenzene	50	NA	52		103	81-133
sec-Butylbenzene	50	NA	57		114	85-122

FORM III VOA-1

S6998.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER

Lab ID: WG2510-1
Client ID: WG2510-LCS
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2-Dichlorobenzene	50	NA	54	108	86-126
1,2-Dibromo-3-Chloropropane	50	NA	45	90	61-136
1,3,5-Trichlorobenzene	50	NA	52	104	67-128
Hexachlorobutadiene	50	NA	60	119	52-129
1,2,4-Trichlorobenzene	50	NA	50	100	53-157
1,2,3-Trimethylbenzene	50	NA	54	108	60-140
Naphthalene	50	NA	33	66	45-151
1,2,3-Trichlorobenzene	50	NA	35	69	30-164

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/08/2003
Matrix: WATER

Lab ID: WG2510-3 & WG2510-4
Client ID: 13GLM18S02MS & 13GLM18S02MSD
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
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	NA	17	15	*	34	*	30		10	20	60-140
Chloromethane	50	50	NA	20	18	*	40	*	36		11	20	60-140
Vinyl chloride	50	50	NA	28	26	*	56	*	51		8	20	60-140
Bromomethane	50	50	NA	38	37		77		74		4	20	60-140
Chloroethane	50	50	NA	36	31		73		62		15	20	60-140
Trichlorofluoromethane	50	50	NA	55	46		110		91		19	20	60-140
1,1-Dichloroethene	50	50	NA	47	40		94		80		16	20	44-167
Carbon Disulfide	50	50	NA	32	28		64	*	56		14	20	60-140
Freon-113	50	50	NA	56	55		111		110		0.5	20	60-140
Methylene Chloride	50	50	NA	42	36		83		73		13	20	60-140
Acetone	50	50	NA	14	9.3	*	27	*	19	*	38	20	60-140
trans-1,2-Dichloroethene	50	50	NA	47	41		93		82		13	20	60-140
Methyl tert-butyl ether	50	50	NA	90	77	*	181	*	154		16	20	60-140
1,1-Dichloroethane	50	50	NA	39	35		78		69		12	20	60-140
cis-1,2-Dichloroethene	50	50	NA	45	39		89		77		15	20	60-140
1,2-Dichloroethylene (total)	100	100	NA	91	80		91		80		14	20	60-140
Chloroform	50	50	NA	46	39		92		78		16	20	60-140
Carbon Tetrachloride	50	50	NA	58	47		117		94	*	21	20	60-140
1,1,1-Trichloroethane	50	50	NA	56	47		112		93		18	20	60-140
2-Butanone	50	50	NA	26	20	*	51	*	41	*	22	20	60-140
Benzene	50	50	NA	41	34		82		67		19	20	64-140
Cyclohexane	50	50	NA	0.00	0.00	*	0	*	0	*	1000	20	60-140
1,2-Dichloroethane	50	50	NA	3.1	2.8	*	6	*	6		10	20	60-140
Trichloroethene	50	50	NA	48	39		95		79		19	20	62-134
1,2-Dichloropropane	50	50	NA	36	30		73	*	59	*	21	20	60-140
Bromodichloromethane	50	50	NA	49	39		97		79	*	21	20	60-140
cis-1,3-dichloropropene	50	50	NA	42	34		84		69		20	20	60-140
Toluene	50	50	NA	50	42		100		83		18	20	65-142
4-methyl-2-pentanone	50	50	NA	38	25		76	*	51	*	39	20	60-140
Tetrachloroethene	50	50	NA	56	46		111		93		18	20	60-140
trans-1,3-Dichloropropene	50	50	NA	51	39		101		78	*	26	20	60-140
1,1,2-Trichloroethane	50	50	NA	44	34		89		68	*	27	20	60-140
Dibromochloromethane	50	50	NA	50	44		101		89		13	20	60-140
1,2-Dibromoethane	50	50	NA	54	41		109		82	*	28	20	60-140
2-Hexanone	50	50	NA	29	21	*	58	*	43	*	30	20	60-140
Chlorobenzene	50	50	NA	54	47		109		95		14	20	68-140
Ethylbenzene	50	50	NA	51	45		103		89		14	20	60-140
Xylenes (total)	150	150	NA	165	143		110		95		14	20	60-140
m+p-Xylenes	100	100	NA	109	95		109		95		14	20	60-140
o-Xylene	50	50	NA	55	48		111		96		14	20	60-140
Styrene	50	50	NA	54	47		109		93		15	20	60-140
Bromoform	50	50	NA	58	46		116		93	*	23	20	60-140
Isopropylbenzene	50	50	NA	6.7	6.0	*	13	*	12		11	20	60-140
1,1,2,2-Tetrachloroethane	50	50	NA	44	34		89		68	*	27	20	60-140
1,3-Dichlorobenzene	50	50	NA	52	46		104		91		13	20	60-140

FORM III VOA-1

S7013.D & S7014.D

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/08/2003
Matrix: WATER

Lab ID: WG2510-3 & WG2510-4
Client ID: 13GLM18S02MS & 13GLM18S02MSD
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,4-Dichlorobenzene	50	50	NA	53	46	105	92	13	20	60-140
1,2-Dichlorobenzene	50	50	NA	51	43	102	86	16	20	60-140
1,2-Dibromo-3-Chloropropane	50	50	NA	50	48	100	96	4	20	60-140
1,2,4-Trichlorobenzene	50	50	NA	47	38	94	77	19	20	60-140
Methylcyclohexane			NA						20	60-140
Methyl Acetate			NA						20	60-140

FORM III VOA-1

S7013.D & S7014.D

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): S6996 Date Analyzed: 06/03/03

Instrument ID: GCMS-S Time Analyzed: 0925

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		98707	9.83	153131	10.44	127012	13.52
UPPER LIMIT		197414	10.33	306262	10.94	254024	14.02
LOWER LIMIT		49354	9.33	76566	9.94	63506	13.02
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2510-LCS	WG2510-1	102800	9.84	158670	10.45	128463	13.53
02	WG2510-BLANK	WG2510-2	97708	9.84	152039	10.44	123590	13.53
03	13GLM18S02	WT1233-1	94803	9.83	144686	10.44	121010	13.52
04	13GLM18I02	WT1233-3	94872	9.84	145604	10.44	122845	13.53
05	13GLM18D02	WT1233-5	93473	9.84	145428	10.44	123254	13.52
06	13GLM17I02	WT1233-7	94329	9.84	146006	10.45	122065	13.53
07	13GLM17I02D	WT1233-9	92786	9.84	146746	10.44	120884	13.53
08	13GLM17D02	WT1233-11	94492	9.84	144092	10.44	119334	13.52
09	10GLM03S02	WT1233-13	93390	9.83	143706	10.45	118843	13.52
10	13TL052003	WT1233-15	92060	9.83	140423	10.44	119519	13.52
11	13GLM18S02MS	WG2510-3	94125	9.84	143438	10.45	120965	13.53
12	13GLM18S02MSD	WG2510-4	95717	9.83	150242	10.44	119984	13.52
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): S6996 Date Analyzed: 06/03/03

Instrument ID: GCMS-S Time Analyzed: 0925

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		60833	15.13				
UPPER LIMIT		121666	15.63				
LOWER LIMIT		30417	14.63				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2510-LCS	WG2510-1	63089	15.13				
02 WG2510-BLANK	WG2510-2	57813	15.13				
03 13GLM18S02	WT1233-1	55407	15.13				
04 13GLM18I02	WT1233-3	56713	15.13				
05 13GLM18D02	WT1233-5	56481	15.13				
06 13GLM17I02	WT1233-7	56651	15.13				
07 13GLM17I02D	WT1233-9	52515	15.13				
08 13GLM17D02	WT1233-11	55989	15.13				
09 10GLM03S02	WT1233-13	53552	15.13				
10 13TL052003	WT1233-15	53580	15.13				
11 13GLM18S02MS	WG2510-3	61221	15.13				
12 13GLM18S02MSD	WG2510-4	59337	15.13				
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.

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT Panama City CTO-287		JOB NUMBER Job-9061 SDG-2874	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 4-Aug-03

Sample 13GLM17A02

1,1-Dichloroethane = 12 ug/L

$$1,1\text{-DCA} = \frac{(29927)(250\,ng)}{(94492)(1.3418)(5\,mL)} = 11.8\,ng/mL = ug/L$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-11
Client ID: 13GLM17D02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	J	4	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		12	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	J	0.5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date:
Analysis Date: 06/03/03
Report Date: 07/07/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-11
Client ID: 13GLM17D02
SDG: CTO287-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG2510
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		88%				

Data File: \\Target_server\GG\chem\gcms-s.i\S060303.b\S7008.D
Report Date: 07-Jul-2003 15:09

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S060303.b\S7008.D
Lab Smp Id: WT1233-11 Client Smp ID: 13GLM17D02
Inj Date : 03-JUN-2003 17:10 MS Autotune Date: 20-MAY-2003 11:19
Operator : JCG Inst ID: gcms-s.i
Smp Info : WT1233-11
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S060303.b\s8260aq.m
Meth Date : 07-Jul-2003 14:14 jprescott Quant Type: ISTD
Cal Date : 03-JUN-2003 11:53 Cal File: S6999.D
Als bottle: 39
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260OLM.sub
Target Version: 4.12
Processing Host: TARGET02

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)	FINAL (ug/l)
9 1,1-Dichloroethene	96	4.213	4.210	(0.428)	4415	3.97916	4.0(a)
26 1,1-Dichloroethane	63	6.916	6.948	(0.703)	29927	11.8022	11.8
30 cis-1,2-Dichloroethene	96	8.227	8.247	(0.836)	683	0.46898	0.47(a)
* 43 Pentafluorobenzene	168	9.840	9.829	(1.000)	94492	50.0000	
* 51 1,4-Difluorobenzene	114	10.443	10.444	(1.000)	144092	50.0000	
* 69 Chlorobenzene-D5	117	13.518	13.519	(1.000)	119334	50.0000	
* 95 1,4-Dichlorobenzene-D4	152	15.131	15.131	(1.000)	55989	50.0000	
$ 38 Dibromofluoromethane	113	9.121	9.140	(0.927)	53416	42.2880	42.3
$ 46 1,2-Dichloroethane-D4	65	9.852	9.755	(1.001)	57944	41.3209	41.3
$ 58 Toluene-D8	98	11.975	11.993	(1.147)	172574	44.9193	44.9
$ 79 P-Bromofluorobenzene	95	14.412	14.418	(1.380)	69739	43.7660	43.8

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-S Calibration Date(s): 05/29/03 05/29/03

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1031 1349

LAB FILE ID: RF1: S6918 RF5: S6917 RF20: S6916
RF50: S6915 RF100: S6920 RF200: S6919

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Dichlorodifluoromethane	0.481	0.410	0.469	0.521	0.422	0.437	AVRG		0.45655		9.133	15.000	
Chloromethane	2897	12040	42077	96422	214980	426890	LINR	-9e-003	1.31179		0.99900	0.99000	
Vinyl chloride	0.742	0.644	0.661	0.764	0.596	0.640	AVRG		0.67463		9.584	15.000	
Bromomethane	947	4923	16282	49679	87084	181770	LINR	-2e-002	3.07625		0.99069	0.99000	
Chloroethane	1687	5521	21787	56990	118600	203480	LINR	-9e-002	2.70718		0.99338	0.99000	
Trichlorofluoromethane	0.711	0.767	0.830	0.911	0.778	0.794	AVRG		0.79850		8.474	15.000	
1,1-Dichloroethene	0.651	0.573	0.610	0.598	0.535	0.554	AVRG		0.58710		7.090	15.000	
Carbon Disulfide	2.423	2.204	2.294	2.611	2.024	2.170	AVRG		2.28771		9.016	15.000	
Freon-113	0.462	0.498	0.453	0.522	0.434	0.437	AVRG		0.46758		7.554	15.000	
Methylene Chloride	5907	16085	54673	131980	255210	492550	LINR	-7e-002	1.14334		0.99594	0.99000	
Acetone	0.132	0.117	0.124	0.150	0.095	0.107	AVRG		0.12064		15.923	15.000	<-
trans-1,2-Dichloroethene	0.731	0.688	0.716	0.794	0.632	0.648	AVRG		0.70165		8.446	15.000	
Methyl tert-butyl ether	1.758	1.808	1.948	2.257	1.685	1.777	AVRG		1.87234		11.079	15.000	
1,1-Dichloroethane	1.350	1.323	1.345	1.556	1.203	1.273	AVRG		1.34177		8.837	15.000	
cis-1,2-Dichloroethene	0.887	0.771	0.765	0.826	0.674	0.702	AVRG		0.77062		10.151	15.000	
1,2-Dichloroethylene (total)							AVRG					0.000	
Chloroform	1.442	1.275	1.275	1.417	1.137	1.193	AVRG		1.28975		9.334	15.000	
Carbon Tetrachloride	0.462	0.477	0.486	0.556	0.497	0.501	AVRG		0.49660		6.513	15.000	
1,1,1-Trichloroethane	0.992	0.883	0.969	1.088	0.881	0.924	AVRG		0.95642		8.218	15.000	
2-Butanone	0.051	0.085	0.108	0.136	0.089	0.100	AVRG		9e-002		29.643	15.000	<-
Benzene	1.966	1.797	1.841	2.000	1.706	1.728	AVRG		1.83965		6.606	15.000	
Cyclohexane							AVRG					0.000	
1,2-Dichloroethane	244	11754	48865	128200	245200	491740	LINR	-2e-002	1.80533		0.99721	0.99000	
Trichloroethene	0.382	0.429	0.427	0.478	0.406	0.406	AVRG		0.42146		7.762	15.000	
1,2-Dichloropropane	0.510	0.476	0.483	0.528	0.446	0.456	AVRG		0.48309		6.468	15.000	
Bromodichloromethane	0.588	0.596	0.562	0.655	0.559	0.568	AVRG		0.58810		6.101	15.000	
cis-1,3-dichloropropene	0.764	0.721	0.747	0.827	0.714	0.729	AVRG		0.75027		5.590	15.000	
Toluene	1.054	1.031	1.002	1.114	0.965	0.969	AVRG		1.02256		5.547	15.000	
4-methyl-2-pentanone	0.370	0.358	0.385	0.482	0.326	0.349	AVRG		0.37832		14.488	15.000	
Tetrachloroethene	0.393	0.347	0.363	0.410	0.374	0.355	AVRG		0.37392		6.443	15.000	
trans-1,3-Dichloropropene	0.574	0.592	0.609	0.697	0.567	0.594	AVRG		0.60555		7.783	15.000	
1,1,2-Trichloroethane	0.327	0.309	0.317	0.362	0.290	0.289	AVRG		0.31561		8.593	15.000	
Dibromochloromethane	0.435	0.435	0.471	0.542	0.472	0.466	AVRG		0.47013		8.331	15.000	
1,2-Dibromoethane	0.300	0.345	0.363	0.411	0.329	0.345	AVRG		0.34901		10.583	15.000	
2-Hexanone	0.356	0.385	0.428	0.529	0.360	0.383	AVRG		0.40669		16.009	15.000	<-
Chlorobenzene	1.167	1.261	1.267	1.381	1.194	1.191	AVRG		1.24347		6.325	15.000	
Ethylbenzene	2.426	2.087	2.188	2.389	2.095	2.075	AVRG		2.20999		7.175	15.000	
Xylenes (total)							AVRG					0.000	
m+p-Xylenes	0.808	0.763	0.795	0.869	0.758	0.738	AVRG		0.78832		5.975	15.000	
o-Xylene	0.702	0.702	0.748	0.828	0.730	0.729	AVRG		0.73985		6.318	15.000	
Styrene	1.123	1.158	1.276	1.470	1.311	1.304	AVRG		1.27358		9.753	15.000	
Bromoform	0.218	0.218	0.267	0.312	0.254	0.268	AVRG		0.25617		13.803	15.000	
Isopropylbenzene	951	30900	124770	321950	648490	1250500	LINR	-7e-002	0.31159		0.99546	0.99000	
1,1,2,2-Tetrachloroethane	0.935	1.106	1.082	1.288	0.913	0.917	AVRG		1.04030		14.266	15.000	

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: KD056 DFTPP Injection Date: 05/09/03

Instrument ID: GCMS-K DFTPP Injection Time: 1135

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	59.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.4
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	7.2
275	10.0 - 30.0% of mass 198	21.5
365	1.0 - 100.0% of mass 198	1.5
441	0.0 - 100.0% of mass 443	11.0 (70.9)2
442	40.0 - 100.0% of mass 198	78.0
443	17.0 - 23.0% of mass 442	15.5 (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		SSTD010K0509	K4150	05/09/03	1252
02		SSTD020K0509	K4151	05/09/03	1344
03		SSTD080K0509	K4152	05/09/03	1436
04		SSTD050K0509	K4155	05/09/03	1711
05		SSTD160K0509	K4156	05/09/03	1803
06		SSTD120K0509	K4157	05/09/03	1858
07					
08					
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20					

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
1,4-Dioxane							AVRG					0.000	<-
Pyridine	1.779	2.073	1.770	1.909	1.703	1.754	AVRG		1.83127		7.456	15.000	
N-Nitrosodimethylamine	0.832	0.832	0.868	0.886	0.830	0.909	AVRG		0.85933		3.902	15.000	
Aniline	1.674	1.744	1.621	1.696	1.533	1.682	AVRG		1.65829		4.402	15.000	
Phenol	1.493	1.546	1.464	1.508	1.338	1.438	AVRG		1.46462		4.927	15.000	
Bis(2-Chloroethyl)ether	1.307	1.289	1.188	1.198	1.078	1.121	AVRG		1.19676		7.529	15.000	
2-Chlorophenol	1.282	1.278	1.236	1.235	1.093	1.172	AVRG		1.21615		5.948	15.000	
1,3-Dichlorobenzene	1.413	1.394	1.295	1.345	1.185	1.308	AVRG		1.32329		6.210	15.000	
1,4-Dichlorobenzene	1.470	1.435	1.303	1.343	1.191	1.322	AVRG		1.34406		7.415	15.000	
1,2-Dichlorobenzene	1.321	1.327	1.194	1.215	1.048	1.126	AVRG		1.20495		9.059	15.000	
Benzyl alcohol	0.669	0.714	0.673	0.672	0.556	0.600	AVRG		0.64735		8.934	15.000	
2,2'-Oxybis(1-Chloropropane)	2.445	2.507	2.232	2.357	1.993	2.209	AVRG		2.29031		8.139	15.000	
2-Methylphenol	1.008	1.051	0.941	0.964	0.845	0.917	AVRG		0.95419		7.554	15.000	
Hexachloroethane	0.604	0.601	0.577	0.575	0.471	0.502	AVRG		0.55503		9.943	15.000	
N-Nitroso-di-n-propylamine	0.853	0.871	0.792	0.800	0.695	0.714	AVRG		0.78750		9.028	15.000	
4-Methylphenol	1.093	1.076	0.959	0.980	0.852	0.883	AVRG		0.97384		10.076	15.000	
Nitrobenzene	0.349	0.343	0.374	0.367	0.371	0.398	AVRG		0.36693		5.357	15.000	
Isophorone	0.690	0.694	0.676	0.689	0.658	0.708	AVRG		0.68578		2.460	15.000	
2-Nitrophenol	15874	36308	103530	203240	256370	382820	LINR	0.16930	4.99521		0.99750	0.99000	
2,4-Dimethylphenol	0.361	0.354	0.358	0.352	0.346	0.365	AVRG		0.35620		1.899	15.000	
Bis(2-Chloroethoxy)methane	0.462	0.454	0.435	0.441	0.412	0.447	AVRG		0.44181		3.868	15.000	
2,4-Dichlorophenol	0.285	0.288	0.291	0.286	0.281	0.287	AVRG		0.28641		1.226	15.000	
1,2,4-Trichlorobenzene	0.350	0.326	0.319	0.309	0.312	0.314	AVRG		0.32167		4.721	15.000	
Naphthalene	0.978	0.923	0.913	0.892	0.834	0.886	AVRG		0.90448		5.271	15.000	
Benzoic acid	11306	30533	91037	182880	228700	340860	LINR	0.18857	5.56664		0.99812	0.99000	
4-Chloroaniline	0.377	0.392	0.388	0.385	0.358	0.390	AVRG		0.38182		3.323	15.000	
Hexachlorobutadiene	0.190	0.188	0.186	0.175	0.171	0.173	AVRG		0.18054		4.576	15.000	
4-Chloro-3-Methylphenol	0.270	0.280	0.293	0.287	0.281	0.307	AVRG		0.28652		4.370	15.000	
2-Methylnaphthalene	0.597	0.570	0.540	0.521	0.497	0.539	AVRG		0.54388		6.493	15.000	
1-Methylnaphthalene	0.602	0.567	0.488	0.526	0.459	0.491	AVRG		0.52246		10.317	15.000	
Hexachlorocyclopentadiene	0.327	0.341	0.385	0.390	0.387	0.430	AVRG		0.37647		9.894	15.000	
2,4,6-Trichlorophenol	0.397	0.382	0.415	0.395	0.397	0.424	AVRG		0.40172		3.804	15.000	
2,4,5-Trichlorophenol	0.422	0.404	0.448	0.430	0.435	0.464	AVRG		0.43407		4.734	15.000	
2-Chloronaphthalene	1.241	1.218	1.153	1.083	1.041	1.132	AVRG		1.14472		6.711	15.000	
Diethyl Adipate	0.450	0.418	0.393	0.401	0.358	0.396	AVRG		0.40266		7.514	15.000	
2-Nitroaniline	18333	41753	111490	207350	243460	419280	2ORDR	-3e-002	3.00836	-0.4846	0.99604	0.99000	
Acenaphthylene	1.874	1.814	1.832	1.722	1.637	1.823	AVRG		1.78364		4.907	15.000	
Dimethyl Phthalate	1.377	1.308	1.312	1.251	1.175	1.297	AVRG		1.28669		5.281	15.000	
2,6-Dinitrotoluene	10516	25151	73977	134540	168940	263730	LINR	0.21044	3.17162		0.99091	0.99000	
Acenaphthene	1.222	1.162	1.108	1.051	1.000	1.134	AVRG		1.11283		7.110	15.000	
3-Nitroaniline	11522	26868	77687	141570	174870	287630	2ORDR	2e-002	4.12780	-0.8705	0.99741	0.99000	
2,4-Dinitrophenol	2119	5237	23562	48128	67336	116880	2ORDR	0.19995	10.9924	-7.4522	0.99903	0.99000	
Dibenzofuran	1.566	1.498	1.485	1.402	1.334	1.494	AVRG		1.46329		5.616	15.000	
4-Nitrophenol	5294	13416	45657	79400	100840	175050	2ORDR	6e-002	7.19096	-2.8974	0.99524	0.99000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
2,4-Dinitrotoluene	13312	32487	92385	175890	217050	353260	2ORDR	4e-002	3.30651	-0.5535	0.99850	0.99000	
Fluorene	1.111	1.063	1.078	1.022	0.986	1.094	AVRG		1.05906		4.425	15.000	
Diethylphthalate	1.345	1.305	1.248	1.212	1.132	1.315	AVRG		1.25952		6.240	15.000	
4-Chlorophenyl-phenylether	0.602	0.553	0.529	0.512	0.509	0.536	AVRG		0.54021		6.319	15.000	
4-Nitroaniline	6836	17613	62754	109900	140540	232520	2ORDR	9e-002	5.01262	-1.3018	0.99602	0.99000	
4,6-Dinitro-2-Methylphenol	3557	9826	35082	70792	89582	155960	2ORDR	0.15696	10.1397	-5.5093	0.99969	0.99000	
N-Nitrosodiphenylamine	0.580	0.564	0.548	0.545	0.537	0.578	AVRG		0.55846		3.226	15.000	
1,2-Diphenylhydrazine	1.109	1.126	1.110	1.082	1.033	1.245	AVRG		1.11741		6.314	15.000	
4-Bromophenyl-phenylether	0.232	0.249	0.226	0.237	0.221	0.233	AVRG		0.23284		4.048	15.000	
Hexachlorobenzene	0.304	0.309	0.280	0.289	0.282	0.293	AVRG		0.29288		4.031	15.000	
Pentachlorophenol	7288	18983	57971	110100	129440	216200	LINR	0.21583	5.29664		0.99365	0.99000	
Phenanthrene	1.128	1.108	1.028	0.998	0.970	1.052	AVRG		1.04734		5.883	15.000	
Anthracene	1.041	1.022	0.997	0.983	0.950	1.033	AVRG		1.00449		3.429	15.000	
Carbazole	0.884	0.846	0.826	0.774	0.723	0.820	AVRG		0.81239		6.962	15.000	
Di-n-butylphthalate	1.194	1.217	1.187	1.250	1.149	1.287	AVRG		1.21394		4.044	15.000	
Fluoranthene	0.937	0.879	0.894	0.877	0.842	0.912	AVRG		0.89016		3.672	15.000	
Benzidine	0.028	0.019	0.056	0.066	0.076	0.081	AVRG		5e-002		47.169	15.000	<-
Pyrene	1.557	1.545	1.435	1.389	1.381	1.396	AVRG		1.45053		5.529	15.000	
Butylbenzylphthalate	0.665	0.654	0.694	0.660	0.684	0.718	AVRG		0.67920		3.609	15.000	
Bis(2-Ethylhexyl)Adipate	0.500	0.549	0.566	0.550	0.555	0.605	AVRG		0.55448		6.094	15.000	
Benzo(a)anthracene	1.030	1.005	1.046	1.000	0.973	1.080	AVRG		1.02230		3.702	15.000	
Chrysene	1.085	1.012	1.024	0.956	0.950	0.989	AVRG		1.00268		4.984	15.000	
3,3'-Dichlorobenzidine	0.286	0.266	0.298	0.278	0.276	0.302	AVRG		0.28457		4.803	15.000	
bis(2-Ethylhexyl)phthalate	0.870	0.878	0.900	0.907	0.918	0.959	AVRG		0.90540		3.502	15.000	
Di-n-octylphthalate	1.923	2.235	2.174	2.088	2.158	2.408	AVRG		2.16446		7.403	15.000	
Benzo(b)fluoranthene	1.558	1.537	1.415	1.408	1.502	1.583	AVRG		1.50053		4.939	15.000	
Benzo(k)fluoranthene	1.690	1.638	1.651	1.541	1.550	1.551	AVRG		1.60351		3.996	15.000	
Benzo(a)pyrene	1.327	1.305	1.298	1.238	1.293	1.386	AVRG		1.30779		3.704	15.000	
Indeno(1,2,3-cd)pyrene	1.015	1.122	1.179	1.110	1.247	1.382	AVRG		1.17603		10.806	15.000	
Dibenzo(a,h)anthracene	1.060	1.092	1.198	1.114	1.263	1.337	AVRG		1.17742		9.157	15.000	
Benzo(g,h,i)perylene	1.123	1.167	1.245	1.157	1.301	1.388	AVRG		1.23025		8.198	15.000	
Benzaldehyde	0.142	0.169	0.229	0.284	0.265	0.166	AVRG		0.20905		27.926	15.000	<-
Acetophenone	1.719	1.689	1.585	1.653	1.445	1.563	AVRG		1.60905		6.220	15.000	
Caprolactam	0.086	0.098	0.106	0.103	0.098	0.112	AVRG		0.10032		8.686	15.000	
1,1'-Biphenyl	1.560	1.510	1.468	1.363	1.330	1.438	AVRG		1.44500		6.034	15.000	
Atrazine	0.208	0.214	0.203	0.202	0.195	0.210	AVRG		0.20525		3.282	15.000	
2-Fluorophenol	1.189	1.199	1.198	1.214	1.127	1.212	AVRG		1.18972		2.706	15.000	
Phenol-D6	1.504	1.455	1.423	1.429	1.297	1.367	AVRG		1.41253		5.103	15.000	
Nitrobenzene-D5	0.300	0.316	0.354	0.338	0.358	0.393	AVRG		0.34309		9.637	15.000	
2-Fluorobiphenyl	1.305	1.246	1.218	1.166	1.132	1.228	AVRG		1.21599		4.979	15.000	
2,4,6-Tribromophenol	0.168	0.169	0.192	0.188	0.191	0.213	AVRG		0.18673		8.974	15.000	
Terphenyl-D14	0.986	0.917	0.892	0.872	0.858	0.874	AVRG		0.89992		5.187	15.000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

Average %RSD test result.

Calculate Average %RSD: 6.687792778
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG2380-BLANK	WG2380-1	58	39	86	75	80	84			0
02	WG2380-LCS	WG2380-4	70	44	94	88	101	104			0
03	WG2380-LCSD	WG2380-5	71	46	109	90	105	84			0
04	13GLM16S02	WT1187-1	50	28	72	71	73	84			0
05	13GLM16I02	WT1187-3	51	31	69	59	58	62			0
06	13GLM16D02	WT1187-5	33	24	67	70	64	68			0
07	13GLM7I02	WT1187-7	33	26	62	60	59	72			0
08	13GLM13S02	WT1187-13	44	28	62	60	58	76			0
09	13GLM17S02	WT1187-9	48	26	73	70	68	113			0
10	13GLM13I02	WT1187-11	53	31	80	81	104	99			0
11	WG2418-BLANK	WG2418-1	51	29	77	59	88	82			0
12	WG2418-LCS	WG2418-4	53	33	93	83	117	90			0
13	WG2418-LCSD	WG2418-5	64	40	104	95	108	86			0
14	13GLM18S02	WT1233-1	54	35	85	78	90	83			0
15	13GLM18I02	WT1233-3	51	31	75	77	98	90			0
16	13GLM18D02	WT1233-5	76	38	92	95	119	86			0
17	13GLM17I02	WT1233-7RA	51	30	78	75	90	95			0
18	13GLM17I02D	WT1233-9RA	57	34	79	70	92	80			0
19	13GLM17D02	WT1233-11RA	50	28	79	66	70	71			0
20	10GLM03S02	WT1233-13RA	44	22	87	72	62	79			0
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(20- 95)
S2 (PHL)	= Phenol-D6	(10-115)
S3 (NBZ)	= Nitrobenzene-D5	(36-117)
S4 (FBP)	= 2-Fluorobiphenyl	(47-114)
S5 (TBP)	= 2,4,6-Tribromophenol	(20-137)
S6 (TPH)	= Terphenyl-D14	(35-126)

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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: KD098 DFTPP Injection Date: 06/20/03

Instrument ID: GCMS-K DFTPP Injection Time: 0919

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	51.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	63.7
70	Less than 2.0% of mass 69	0.6 (1.0)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	7.4
275	10.0 - 30.0% of mass 198	22.4
365	1.0 - 100.0% of mass 198	2.3
441	0.0 - 100.0% of mass 443	12.6 (83.6)2
442	40.0 - 100.0% of mass 198	79.8
443	17.0 - 23.0% of mass 442	15.0 (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		SSTD050K0620	K4691	06/20/03	0945
02	13GLM16S02	WT1187-1	K4699	06/20/03	1620
03	13GLM16I02	WT1187-3	K4700	06/20/03	1710
04	13GLM16D02	WT1187-5	K4701	06/20/03	1758
05	13GLM7I02	WT1187-7	K4702	06/20/03	1847
06					
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date: 06/20/03 Time: 0945

Lab File ID: K4691 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.5186000	1.5186000	0.01	3.73	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.2479000	1.2479000	0.01	4.25		AVRG
2-Chlorophenol	1.2160000	1.1866000	1.1866000	0.01	-2.42		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.1623000	2.1623000	0.01	-5.58		AVRG
2-Methylphenol	0.9540000	0.9683000	0.9683000	0.01	1.50		AVRG
Hexachloroethane	0.5550000	0.5345900	0.5345900	0.01	-3.68		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7123200	0.7123200	0.05	-9.60		AVRG
4-Methylphenol	0.9740000	1.0062000	1.0062000	0.01	3.31		AVRG
Nitrobenzene	0.3670000	0.3624400	0.3624400	0.01	-1.24		AVRG
Isophorone	0.6860000	0.6709300	0.6709300	0.01	-2.20		AVRG
2-Nitrophenol	57.557000	50.000000	0.2033300	0.01	15.11		LINR
2,4-Dimethylphenol	0.3560000	0.3289400	0.3289400	0.01	-7.60		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4594000	0.4594000	0.01	3.94		AVRG
2,4-Dichlorophenol	0.2860000	0.2945000	0.2945000	0.01	2.97	20.00	AVRG
4-Chloroaniline	0.3820000	0.3148300	0.3148300	0.01	-17.58		AVRG
Hexachlorobutadiene	0.1800000	0.1494900	0.1494900	0.01	-16.95	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2455800	0.2455800	0.01	-14.13	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4528700	0.4528700	0.05	20.12		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4169500	0.4169500	0.01	3.72	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4284300	0.4284300	0.01	-1.28		AVRG
2-Chloronaphthalene	1.1450000	1.1812000	1.1812000	0.01	3.16		AVRG
2-Nitroaniline	57.414000	50.000000	0.4252800	0.01	14.83		2RDR
Dimethyl Phthalate	1.2870000	1.2680000	1.2680000	0.01	-1.48		AVRG
2,6-Dinitrotoluene	55.756000	50.000000	0.2985100	0.01	11.51		LINR
3-Nitroaniline	52.483000	50.000000	0.2690000	0.01	4.97		2RDR
2,4-Dinitrophenol	81.386000	50.000000	0.1534900	0.05	62.77		2RDR
Dibenzofuran	1.4630000	1.3813000	1.3813000	0.01	-5.58		AVRG
4-Nitrophenol	43.524000	50.000000	0.1217600	0.05	-12.95		2RDR
2,4-Dinitrotoluene	60.824000	50.000000	0.3891100	0.01	21.65		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date: 06/20/03 Time: 0945

Lab File ID: K4691 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.0496000	1.0496000	0.01	-16.70		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.4796700	0.4796700	0.01	-11.17		AVRG
4-Nitroaniline	48.057000	50.000000	0.1891000	0.01	-3.89		2RDR
4,6-Dinitro-2-Methylphenol	74.512000	50.000000	0.1498400	0.01	49.02		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5400500	0.5400500	0.01	-3.39	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2146200	0.2146200	0.01	-7.89		AVRG
Hexachlorobenzene	0.2930000	0.2735800	0.2735800	0.01	-6.63		AVRG
Pentachlorophenol	47.771000	50.000000	0.1477800	0.01	-4.46		LINR
Carbazole	0.8120000	0.6481100	0.6481100	0.01	-20.18		AVRG
Di-n-butylphthalate	1.2140000	1.1726000	1.1726000	0.01	-3.41		AVRG
Butylbenzylphthalate	0.6790000	0.6685300	0.6685300	0.01	-1.54		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2655500	0.2655500	0.01	-6.50		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8368000	0.8368000	0.01	-7.54		AVRG
Di-n-octylphthalate	2.1640000	2.0768000	2.0768000	0.01	-4.03	20.00	AVRG
Benzaldehyde	0.2090000	0.5069200	0.5069200	0.01	142.54		AVRG
Acetophenone	1.6090000	1.4216000	1.4216000	0.01	-11.65		AVRG
Caprolactam	0.1000000	8.1e-002	8.1e-002	0.01	-19.00		AVRG
1,1'-Biphenyl	1.4450000	1.4705000	1.4705000	0.01	1.76		AVRG
Atrazine	0.2050000	0.1209600	0.1209600	0.01	-41.00		AVRG
2-Fluorophenol	1.1900000	1.1351000	1.1351000	0.01	-4.61		AVRG
Phenol-D6	1.4120000	1.3581000	1.3581000	0.01	-3.82		AVRG
Nitrobenzene-D5	0.3430000	0.3499300	0.3499300	0.01	2.02		AVRG
2-Fluorobiphenyl	1.2160000	1.2544000	1.2544000	0.01	3.16		AVRG
2,4,6-Tribromophenol	0.1870000	0.1673400	0.1673400	0.01	-10.51		AVRG
Terphenyl-D14	0.9000000	0.9006900	0.9006900	0.01	0.08		AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): K4691 Date Analyzed: 06/20/03

Instrument ID: GCMS-K Time Analyzed: 0945

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		212515	8.13	608243	10.95	225148	15.03
UPPER LIMIT		425030	8.63	1216486	11.45	450296	15.53
LOWER LIMIT		106258	7.63	304122	10.45	112574	14.53
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM16S02	WT1187-1	138003	8.13	551171	10.95	231996	15.04
02 13GLM16I02	WT1187-3	143218	8.13	461239	10.94	203572	15.03
03 13GLM16D02	WT1187-5	231963	8.12	608188	10.95	213073	15.03
04 13GLM7I02	WT1187-7	160279	8.13	473390	10.94	199940	15.04
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): K4691 Date Analyzed: 06/20/03

Instrument ID: GCMS-K Time Analyzed: 0945

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		264434	18.45	151066	24.70	83558	27.84
UPPER LIMIT		528868	18.95	302132	25.20	167116	28.34
LOWER LIMIT		132217	17.95	75533	24.20	41779	27.34
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM16S02	WT1187-1	299311	18.45	175535	24.71	94818	27.84
02 13GLM16I02	WT1187-3	246734	18.45	171124	24.71	102843	27.84
03 13GLM16D02	WT1187-5	272600	18.45	177189	24.72	109040	27.84
04 13GLM7I02	WT1187-7	273736	18.45	173504	24.72	103739	27.85
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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: KD100 DFTPP Injection Date: 06/21/03

Instrument ID: GCMS-K DFTPP Injection Time: 1253

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	62.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.5
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	7.2
275	10.0 - 30.0% of mass 198	20.0
365	1.0 - 100.0% of mass 198	1.8
441	0.0 - 100.0% of mass 443	12.5 (82.3)2
442	40.0 - 100.0% of mass 198	69.6
443	17.0 - 23.0% of mass 442	15.2 (21.8)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		SSTD050K0621	K4725	06/21/03	1454
02	13GLM13S02	WT1187-13	K4726	06/21/03	1542
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date: 06/21/03 Time: 1454

Lab File ID: K4725 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.6960000	1.6960000	0.01	15.85	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.2719000	1.2719000	0.01	6.26		AVRG
2-Chlorophenol	1.2160000	1.2550000	1.2550000	0.01	3.21		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.3481000	2.3481000	0.01	2.54		AVRG
2-Methylphenol	0.9540000	0.9739200	0.9739200	0.01	2.09		AVRG
Hexachloroethane	0.5550000	0.5399500	0.5399500	0.01	-2.71		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.8249100	0.8249100	0.05	4.68		AVRG
4-Methylphenol	0.9740000	1.0539000	1.0539000	0.01	8.20		AVRG
Nitrobenzene	0.3670000	0.4402500	0.4402500	0.01	19.96		AVRG
Isophorone	0.6860000	0.6727200	0.6727200	0.01	-1.94		AVRG
2-Nitrophenol	54.302000	50.000000	0.1903000	0.01	8.60		LINR
2,4-Dimethylphenol	0.3560000	0.3261400	0.3261400	0.01	-8.39		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4279800	0.4279800	0.01	-3.17		AVRG
2,4-Dichlorophenol	0.2860000	0.2662900	0.2662900	0.01	-6.89	20.00	AVRG
4-Chloroaniline	0.3820000	0.3107500	0.3107500	0.01	-18.65		AVRG
Hexachlorobutadiene	0.1800000	0.1557900	0.1557900	0.01	-13.45	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2542200	0.2542200	0.01	-11.11	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3778000	0.3778000	0.05	0.21		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3819100	0.3819100	0.01	-5.00	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4087900	0.4087900	0.01	-5.81		AVRG
2-Chloronaphthalene	1.1450000	1.0853000	1.0853000	0.01	-5.21		AVRG
2-Nitroaniline	55.548000	50.000000	0.4103600	0.01	11.10		2RDR
Dimethyl Phthalate	1.2870000	1.2035000	1.2035000	0.01	-6.49		AVRG
2,6-Dinitrotoluene	56.916000	50.000000	0.3058300	0.01	13.83		LINR
3-Nitroaniline	54.564000	50.000000	0.2807900	0.01	9.13		2RDR
2,4-Dinitrophenol	85.508000	50.000000	0.1637400	0.05	71.02		2RDR
Dibenzofuran	1.4630000	1.4353000	1.4353000	0.01	-1.89		AVRG
4-Nitrophenol	43.573000	50.000000	0.1219200	0.05	-12.85		2RDR
2,4-Dinitrotoluene	62.672000	50.000000	0.4025100	0.01	25.34		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date: 06/21/03 Time: 1454

Lab File ID: K4725 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1843000	1.1843000	0.01	-6.01		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5268400	0.5268400	0.01	-2.44		AVRG
4-Nitroaniline	59.941000	50.000000	0.2442900	0.01	19.88		2RDR
4,6-Dinitro-2-Methylphenol	84.185000	50.000000	0.1743000	0.01	68.37		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5839100	0.5839100	0.01	4.46	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2308300	0.2308300	0.01	-0.93		AVRG
Hexachlorobenzene	0.2930000	0.2776000	0.2776000	0.01	-5.26		AVRG
Pentachlorophenol	53.397000	50.000000	0.1690300	0.01	6.79		LINR
Carbazole	0.8120000	0.8271800	0.8271800	0.01	1.87		AVRG
Di-n-butylphthalate	1.2140000	1.2330000	1.2330000	0.01	1.56		AVRG
Butylbenzylphthalate	0.6790000	0.6651200	0.6651200	0.01	-2.04		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3218400	0.3218400	0.01	13.32		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8838300	0.8838300	0.01	-2.34		AVRG
Di-n-octylphthalate	2.1640000	2.1278000	2.1278000	0.01	-1.67	20.00	AVRG
Benzaldehyde	0.2090000	0.7678400	0.7678400	0.01	267.39		AVRG
Acetophenone	1.6090000	1.5990000	1.5990000	0.01	-0.62		AVRG
Caprolactam	0.1000000	9.45e-002	9.45e-002	0.01	-5.50		AVRG
1,1'-Biphenyl	1.4450000	1.3454000	1.3454000	0.01	-6.89		AVRG
Atrazine	0.2050000	0.1152900	0.1152900	0.01	-43.76		AVRG
2-Fluorophenol	1.1900000	1.3617000	1.3617000	0.01	14.43		AVRG
Phenol-D6	1.4120000	1.4321000	1.4321000	0.01	1.42		AVRG
Nitrobenzene-D5	0.3430000	0.4240200	0.4240200	0.01	23.62		AVRG
2-Fluorobiphenyl	1.2160000	1.1429000	1.1429000	0.01	-6.01		AVRG
2,4,6-Tribromophenol	0.1870000	0.1911400	0.1911400	0.01	2.21		AVRG
Terphenyl-D14	0.9000000	0.8360400	0.8360400	0.01	-7.11		AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): K4725 Date Analyzed: 06/21/03

Instrument ID: GCMS-K Time Analyzed: 1454

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		179460	8.10	483914	10.91	205279	15.00
UPPER LIMIT		358920	8.60	967828	11.41	410558	15.50
LOWER LIMIT		89730	7.60	241957	10.41	102640	14.50
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM13S02	WT1187-13	170526	8.10	511875	10.91	216158	15.00
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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): K4725 Date Analyzed: 06/21/03

Instrument ID: GCMS-K Time Analyzed: 1454

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		256603	18.42	180261	24.69	110277	27.82
UPPER LIMIT		513206	18.92	360522	25.19	220554	28.32
LOWER LIMIT		128302	17.92	90131	24.19	55139	27.32
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM13S02	WT1187-13	279778	18.42	149125	24.68	135177	27.82
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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: KD103 DFTPP Injection Date: 06/23/03

Instrument ID: GCMS-K DFTPP Injection Time: 1052

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	58.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.1
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	6.9
275	10.0 - 30.0% of mass 198	18.9
365	1.0 - 100.0% of mass 198	2.3
441	0.0 - 100.0% of mass 443	12.1 (78.7)2
442	40.0 - 100.0% of mass 198	79.5
443	17.0 - 23.0% of mass 442	15.4 (19.4)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		SSTD050K0623	K4758	06/23/03	1207
02	13GLM17S02	WT1187-9	K4769	06/23/03	2113
03	13GLM13I02	WT1187-11	K4770	06/23/03	2201
04					
05					
06					
07					
08					
09					
10					
11					
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13					
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15					
16					
17					
18					
19					
20					

FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date: 06/23/03 Time: 1207

Lab File ID: K4758 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.5068000	1.5068000	0.01	2.92	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.2015000	1.2015000	0.01	0.38		AVRG
2-Chlorophenol	1.2160000	1.2091000	1.2091000	0.01	-0.57		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.0803000	2.0803000	0.01	-9.16		AVRG
2-Methylphenol	0.9540000	0.9152200	0.9152200	0.01	-4.06		AVRG
Hexachloroethane	0.5550000	0.5123100	0.5123100	0.01	-7.69		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7137200	0.7137200	0.05	-9.43		AVRG
4-Methylphenol	0.9740000	0.9895400	0.9895400	0.01	1.60		AVRG
Nitrobenzene	0.3670000	0.3055500	0.3055500	0.01	-16.74		AVRG
Isophorone	0.6860000	0.5679200	0.5679200	0.01	-17.21		AVRG
2-Nitrophenol	51.329000	50.000000	0.1784000	0.01	2.66		LINR
2,4-Dimethylphenol	0.3560000	0.2833600	0.2833600	0.01	-20.40		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.3620000	0.3620000	0.01	-18.10		AVRG
2,4-Dichlorophenol	0.2860000	0.2778900	0.2778900	0.01	-2.84	20.00	AVRG
4-Chloroaniline	0.3820000	0.3133400	0.3133400	0.01	-17.97		AVRG
Hexachlorobutadiene	0.1800000	0.1637200	0.1637200	0.01	-9.04	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2615300	0.2615300	0.01	-8.56	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4027800	0.4027800	0.05	6.84		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3812800	0.3812800	0.01	-5.15	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4133500	0.4133500	0.01	-4.76		AVRG
2-Chloronaphthalene	1.1450000	1.0998000	1.0998000	0.01	-3.95		AVRG
2-Nitroaniline	51.897000	50.000000	0.3814900	0.01	3.79		2RDR
Dimethyl Phthalate	1.2870000	1.1485000	1.1485000	0.01	-10.76		AVRG
2,6-Dinitrotoluene	54.831000	50.000000	0.2926800	0.01	9.66		LINR
3-Nitroaniline	57.709000	50.000000	0.2987800	0.01	15.42		2RDR
2,4-Dinitrophenol	79.562000	50.000000	0.1490200	0.05	59.12		2RDR
Dibenzofuran	1.4630000	1.4126000	1.4126000	0.01	-3.44		AVRG
4-Nitrophenol	42.111000	50.000000	0.1173000	0.05	-15.78		2RDR
2,4-Dinitrotoluene	60.845000	50.000000	0.3892600	0.01	21.69		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date: 06/23/03 Time: 1207

Lab File ID: K4758 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1253000	1.1253000	0.01	-10.69		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5064900	0.5064900	0.01	-6.20		AVRG
4-Nitroaniline	54.488000	50.000000	0.2186800	0.01	8.98		2RDR
4,6-Dinitro-2-Methylphenol	80.812000	50.000000	0.1656500	0.01	61.62		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5175200	0.5175200	0.01	-7.42	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2374600	0.2374600	0.01	1.91		AVRG
Hexachlorobenzene	0.2930000	0.2889200	0.2889200	0.01	-1.39		AVRG
Pentachlorophenol	52.282000	50.000000	0.1648200	0.01	4.56		LINR
Carbazole	0.8120000	0.6741200	0.6741200	0.01	-16.98		AVRG
Di-n-butylphthalate	1.2140000	1.2264000	1.2264000	0.01	1.02		AVRG
Butylbenzylphthalate	0.6790000	0.5788000	0.5788000	0.01	-14.76		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2834200	0.2834200	0.01	-0.20		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.7124200	0.7124200	0.01	-21.28		AVRG
Di-n-octylphthalate	2.1640000	1.7786000	1.7786000	0.01	-17.81	20.00	AVRG
Benzaldehyde	0.2090000	0.6687400	0.6687400	0.01	219.97		AVRG
Acetophenone	1.6090000	1.4148000	1.4148000	0.01	-12.07		AVRG
Caprolactam	0.1000000	9.58e-002	9.58e-002	0.01	-4.20		AVRG
1,1'-Biphenyl	1.4450000	1.3641000	1.3641000	0.01	-5.60		AVRG
Atrazine	0.2050000	0.1079200	0.1079200	0.01	-47.36		AVRG
2-Fluorophenol	1.1900000	1.2144000	1.2144000	0.01	2.05		AVRG
Phenol-D6	1.4120000	1.3352000	1.3352000	0.01	-5.44		AVRG
Nitrobenzene-D5	0.3430000	0.2995100	0.2995100	0.01	-12.68		AVRG
2-Fluorobiphenyl	1.2160000	1.1797000	1.1797000	0.01	-2.98		AVRG
2,4,6-Tribromophenol	0.1870000	0.2161200	0.2161200	0.01	15.57		AVRG
Terphenyl-D14	0.9000000	0.7941100	0.7941100	0.01	-11.77		AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): K4758 Date Analyzed: 06/23/03

Instrument ID: GCMS-K Time Analyzed: 1207

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		216200	8.03	739307	10.84	318496	14.93
UPPER LIMIT		432400	8.53	1478614	11.34	636992	15.43
LOWER LIMIT		108100	7.53	369654	10.34	159248	14.43
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	13GLM17S02	WT1187-9	213660	8.02	599135	10.83	277553	14.92
02	13GLM13I02	WT1187-11	254114	8.02	686013	10.83	304028	14.92
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): K4758 Date Analyzed: 06/23/03

Instrument ID: GCMS-K Time Analyzed: 1207

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		419517	18.34	301026	24.61	174871	27.73
UPPER LIMIT		839034	18.84	602052	25.11	349742	28.23
LOWER LIMIT		209759	17.84	150513	24.11	87436	27.23
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	13GLM17S02	WT1187-9	367581	18.32	192648	24.59	110497	27.71
02	13GLM13I02	WT1187-11	398025	18.33	247473	24.59	147917	27.72
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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: KD104 DFTPP Injection Date: 06/24/03

Instrument ID: GCMS-K DFTPP Injection Time: 1638

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	45.4
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	40.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	20.3
365	1.0 - 100.0% of mass 198	2.3
441	0.0 - 100.0% of mass 443	10.9 (84.1)2
442	40.0 - 100.0% of mass 198	72.4
443	17.0 - 23.0% of mass 442	12.9 (17.9)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		SSTD050K0624	K4773	06/24/03	1753
02	WG2418-BLANK	WG2418-1	K4774	06/24/03	1846
03	WG2418-LCS	WG2418-4	K4775	06/24/03	1935
04	WG2418-LCSD	WG2418-5	K4776	06/24/03	2023
05	13GLM18S02	WT1233-1	K4777	06/24/03	2112
06	13GLM18I02	WT1233-3	K4778	06/24/03	2200
07	13GLM18D02	WT1233-5	K4779	06/24/03	2249
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date: 06/24/03 Time: 1753

Lab File ID: K4773 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.4728000	1.4728000	0.01	0.60	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.1687000	1.1687000	0.01	-2.36		AVRG
2-Chlorophenol	1.2160000	1.1614000	1.1614000	0.01	-4.49		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	1.9719000	1.9719000	0.01	-13.89		AVRG
2-Methylphenol	0.9540000	0.9059500	0.9059500	0.01	-5.04		AVRG
Hexachloroethane	0.5550000	0.4958300	0.4958300	0.01	-10.66		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7289200	0.7289200	0.05	-7.50		AVRG
4-Methylphenol	0.9740000	0.9087800	0.9087800	0.01	-6.70		AVRG
Nitrobenzene	0.3670000	0.3694900	0.3694900	0.01	0.68		AVRG
Isophorone	0.6860000	0.6542600	0.6542600	0.01	-4.63		AVRG
2-Nitrophenol	58.278000	50.000000	0.2062200	0.01	16.56		LINR
2,4-Dimethylphenol	0.3560000	0.3277800	0.3277800	0.01	-7.93		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4291200	0.4291200	0.01	-2.91		AVRG
2,4-Dichlorophenol	0.2860000	0.2737900	0.2737900	0.01	-4.27	20.00	AVRG
4-Chloroaniline	0.3820000	0.3159800	0.3159800	0.01	-17.28		AVRG
Hexachlorobutadiene	0.1800000	0.1616000	0.1616000	0.01	-10.22	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2562400	0.2562400	0.01	-10.41	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4032700	0.4032700	0.05	6.97		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4024900	0.4024900	0.01	0.12	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4261800	0.4261800	0.01	-1.80		AVRG
2-Chloronaphthalene	1.1450000	1.0964000	1.0964000	0.01	-4.24		AVRG
2-Nitroaniline	53.368000	50.000000	0.3930800	0.01	6.74		2RDR
Dimethyl Phthalate	1.2870000	1.2252000	1.2252000	0.01	-4.80		AVRG
2,6-Dinitrotoluene	57.276000	50.000000	0.3081000	0.01	14.55		LINR
3-Nitroaniline	57.197000	50.000000	0.2958300	0.01	14.39		2RDR
2,4-Dinitrophenol	85.344000	50.000000	0.1633300	0.05	70.69		2RDR
Dibenzofuran	1.4630000	1.4044000	1.4044000	0.01	-4.00		AVRG
4-Nitrophenol	41.286000	50.000000	0.1147000	0.05	-17.43		2RDR
2,4-Dinitrotoluene	59.651000	50.000000	0.3806500	0.01	19.30		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date: 06/24/03 Time: 1753

Lab File ID: K4773 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1663000	1.1663000	0.01	-7.44		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5124000	0.5124000	0.01	-5.11		AVRG
4-Nitroaniline	56.878000	50.000000	0.2298400	0.01	13.76		2RDR
4,6-Dinitro-2-Methylphenol	78.559000	50.000000	0.1599400	0.01	57.12		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5177100	0.5177100	0.01	-7.39	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2174300	0.2174300	0.01	-6.68		AVRG
Hexachlorobenzene	0.2930000	0.2830200	0.2830200	0.01	-3.41		AVRG
Pentachlorophenol	53.047000	50.000000	0.1677000	0.01	6.09		LINR
Carbazole	0.8120000	0.7213200	0.7213200	0.01	-11.17		AVRG
Di-n-butylphthalate	1.2140000	1.2436000	1.2436000	0.01	2.44		AVRG
Butylbenzylphthalate	0.6790000	0.6974300	0.6974300	0.01	2.71		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3260100	0.3260100	0.01	14.79		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8664800	0.8664800	0.01	-4.26		AVRG
Di-n-octylphthalate	2.1640000	2.5916000	2.5916000	0.01	19.76	20.00	AVRG
Benzaldehyde	0.2090000	0.6269600	0.6269600	0.01	199.98		AVRG
Acetophenone	1.6090000	1.3719000	1.3719000	0.01	-14.74		AVRG
Caprolactam	0.1000000	9.5e-002	9.5e-002	0.01	-5.00		AVRG
1,1'-Biphenyl	1.4450000	1.3751000	1.3751000	0.01	-4.84		AVRG
Atrazine	0.2050000	0.1032400	0.1032400	0.01	-49.64		AVRG
2-Fluorophenol	1.1900000	0.8898400	0.8898400	0.01	-25.22		AVRG
Phenol-D6	1.4120000	1.2868000	1.2868000	0.01	-8.87		AVRG
Nitrobenzene-D5	0.3430000	0.3663700	0.3663700	0.01	6.81		AVRG
2-Fluorobiphenyl	1.2160000	1.1619000	1.1619000	0.01	-4.45		AVRG
2,4,6-Tribromophenol	0.1870000	0.1991300	0.1991300	0.01	6.49		AVRG
Terphenyl-D14	0.9000000	0.8485700	0.8485700	0.01	-5.71		AVRG

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2418-1
Client ID: WG2418-Blank
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2418-1
Client ID: WG2418-Blank
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		51%				
13127-88-3	Phenol-D6		29%				
4165-60-0	Nitrobenzene-D5		77%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		88%				
1718-51-0	Terphenyl-D14		82%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER

Lab ID: WG2418-4 & WG2418-5
Client ID: WG2418-LCS & WG2418-LCSD
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Phenol	100	100	NA	38	46	38	46	19	30	12-126
Bis(2-Chloroethyl)ether	50	50	NA	40	48	79	96	19	30	52-115
2-Chlorophenol	100	100	NA	72	89	72	89	21	30	46-114
2,2'-Oxybis(1-Chloropropane)	50	50	NA	37	40	73	80	9	30	54-114
2-Methylphenol	100	100	NA	76	86	76	86	12	30	50-110
Hexachloroethane	50	50	NA	30	34	60	69	14	30	30- 99
N-Nitroso-di-n-propylamine	50	50	NA	39	42	78	85	8	30	52-108
4-Methylphenol	100	100	NA	72	83	72	83	15	30	46-119
Nitrobenzene	50	50	NA	41	48	81	97	17	30	49-113
Isophorone	50	50	NA	36	47	72	93	26	30	49-106
2-Nitrophenol	100	100	NA	85	106	85	106	22	30	47-121
2,4-Dimethylphenol	100	100	NA	73	92	73	92	24	30	45-107
Bis(2-Chloroethoxy)methane	50	50	NA	37	44	74	88	18	30	50-112
2,4-Dichlorophenol	100	100	NA	75	88	75	88	16	30	48-115
4-Chloroaniline	50	50	NA	37	44	74	87	16	30	19-125
Hexachlorobutadiene	50	50	NA	25	31	51	62	20	30	28-109
4-Chloro-3-Methylphenol	100	100	NA	77	84	77	84	9	30	52-121
Hexachlorocyclopentadiene	50	50	NA	33	36	67	71	7	30	0- 90
2,4,6-Trichlorophenol	100	100	NA	91	99	91	99	8	30	51-120
2,4,5-Trichlorophenol	100	100	NA	95	93	95	93	2	30	53-120
2-Chloronaphthalene	50	50	NA	43	48	86	96	11	30	44-156
2-Nitroaniline	50	50	NA	50	55	99	111	11	30	53-127
Dimethyl Phthalate	50		NA	16		33			30	14-138
2,6-Dinitrotoluene	50	50	NA	59	57	119	115	3	30	51-120
3-Nitroaniline	50	50	NA	59	60	119	120	1	30	48-124
2,4-Dinitrophenol	100	100	NA	145	63	145	63 *	79	30	22-155
Dibenzofuran	50	50	NA	43	44	86	89	4	30	54-111
4-Nitrophenol	100	100	NA	40	38	40	38	5	30	6-132
2,4-Dinitrotoluene	50	50	NA	61	62	* 121	* 124	2	30	50-119
Diethylphthalate	50	50	NA	33	32	67	64	3	30	31-129
4-Chlorophenyl-phenylether	50	50	NA	46	46	92	93	0.6	30	56-115
4-Nitroaniline	50	50	NA	67	68	134	137	2	30	50-137
4,6-Dinitro-2-Methylphenol	100	100	NA	150	145	150	145	3	30	43-151
N-Nitrosodiphenylamine	100	100	NA	108	108	108	108	0.0	30	67-131
4-Bromophenyl-phenylether	50	50	NA	52	54	104	108	4	30	59-118
Hexachlorobenzene	50	50	NA	50	52	100	103	4	30	55-116
Pentachlorophenol	100	100	NA	103	96	103	96	7	30	38-148
Carbazole	50	50	NA	56	58	111	116	4	30	63-133
Di-n-butylphthalate	50	50	NA	50	56	101	112	10	30	43-136
Butylbenzylphthalate	50	50	NA	42	40	84	81	4	30	31-156
3,3'-Dichlorobenzidine	50	50	NA	52	55	103	110	6	30	30-128
bis(2-Ethylhexyl)phthalate	50	50	NA	49	50	98	100	2	30	43-151
Di-n-octylphthalate	50	50	NA	49	47	98	95	3	30	42-166

FORM III SV-1

K4775.D & K4776.D

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): K4773 Date Analyzed: 06/24/03

Instrument ID: GCMS-K Time Analyzed: 1753

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	263373	7.98	717770	10.79	303274	14.86
UPPER LIMIT	526746	8.48	1435540	11.29	606548	15.36
LOWER LIMIT	131687	7.48	358885	10.29	151637	14.36

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG2418-BLANK	WG2418-1	138133	7.98	546292	10.78	221788	14.85
02	WG2418-LCS	WG2418-4	155058	7.98	450799	10.79	180140	14.86
03	WG2418-LCSD	WG2418-5	150660	7.98	427469	10.79	169654	14.86
04	13GLM18S02	WT1233-1	154693	7.98	438737	10.79	179580	14.85
05	13GLM18I02	WT1233-3	189170	7.98	553807	10.78	206305	14.86
06	13GLM18D02	WT1233-5	154652	7.98	460111	10.78	208485	14.85
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): K4773 Date Analyzed: 06/24/03

Instrument ID: GCMS-K Time Analyzed: 1753

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	413807	18.27	291965	24.52	142368	27.64
UPPER LIMIT	827614	18.77	583930	25.02	284736	28.14
LOWER LIMIT	206904	17.77	145983	24.02	71184	27.14

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG2418-BLANK	WG2418-1	291409	18.26	231059	24.51	140248	27.63
02	WG2418-LCS	WG2418-4	232594	18.27	161127	24.52	104632	27.64
03	WG2418-LCSD	WG2418-5	219052	18.27	174316	24.52	121963	27.64
04	13GLM18S02	WT1233-1	265351	18.26	160718	24.50	104255	27.63
05	13GLM18I02	WT1233-3	247325	18.26	167418	24.51	96993	27.63
06	13GLM18D02	WT1233-5	338552	18.26	258665	24.51	183277	27.63
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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: KD105 DFTPP Injection Date: 06/25/03

Instrument ID: GCMS-K DFTPP Injection Time: 1154

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	44.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	61.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	44.1
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	7.0
275	10.0 - 30.0% of mass 198	21.0
365	1.0 - 100.0% of mass 198	2.1
441	0.0 - 100.0% of mass 443	10.9 (78.6)2
442	40.0 - 100.0% of mass 198	73.4
443	17.0 - 23.0% of mass 442	13.9 (19.0)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		SSTD050K0625	K4787	06/25/03	1226
02	13GLM17I02	WT1233-7RA	K4789	06/25/03	1405
03	13GLM17I02D	WT1233-9RA	K4790	06/25/03	1454
04	13GLM17D02	WT1233-11RA	K4791	06/25/03	1544
05	10GLM03S02	WT1233-13RA	K4792	06/25/03	1633
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date: 06/25/03 Time: 1226

Lab File ID: K4787 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.7474000	1.7474000	0.01	19.36	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.4269000	1.4269000	0.01	19.21		AVRG
2-Chlorophenol	1.2160000	1.3900000	1.3900000	0.01	14.31		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	1.6189000	1.6189000	0.01	-29.31		AVRG
2-Methylphenol	0.9540000	0.7767000	0.7767000	0.01	-18.58		AVRG
Hexachloroethane	0.5550000	0.4214200	0.4214200	0.01	-24.07		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.5804600	0.5804600	0.05	-26.34		AVRG
4-Methylphenol	0.9740000	0.7631800	0.7631800	0.01	-21.64		AVRG
Nitrobenzene	0.3670000	0.3386600	0.3386600	0.01	-7.72		AVRG
Isophorone	0.6860000	0.6521200	0.6521200	0.01	-4.94		AVRG
2-Nitrophenol	58.895000	50.000000	0.2086900	0.01	17.79		LINR
2,4-Dimethylphenol	0.3560000	0.3361300	0.3361300	0.01	-5.58		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4258800	0.4258800	0.01	-3.65		AVRG
2,4-Dichlorophenol	0.2860000	0.2483700	0.2483700	0.01	-13.16	20.00	AVRG
4-Chloroaniline	0.3820000	0.3122400	0.3122400	0.01	-18.26		AVRG
Hexachlorobutadiene	0.1800000	0.1445300	0.1445300	0.01	-19.71	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2477200	0.2477200	0.01	-13.38	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3775700	0.3775700	0.05	0.15		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3894300	0.3894300	0.01	-3.13	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4073400	0.4073400	0.01	-6.14		AVRG
2-Chloronaphthalene	1.1450000	1.0882000	1.0882000	0.01	-4.96		AVRG
2-Nitroaniline	51.048000	50.000000	0.3748300	0.01	2.10		2RDR
Dimethyl Phthalate	1.2870000	1.1380000	1.1380000	0.01	-11.58		AVRG
2,6-Dinitrotoluene	55.653000	50.000000	0.2978600	0.01	11.31		LINR
3-Nitroaniline	53.605000	50.000000	0.2753400	0.01	7.21		2RDR
2,4-Dinitrophenol	78.015000	50.000000	0.1452800	0.05	56.03		2RDR
Dibenzofuran	1.4630000	1.3767000	1.3767000	0.01	-5.90		AVRG
4-Nitrophenol	38.436000	50.000000	0.1057800	0.05	-23.13		2RDR
2,4-Dinitrotoluene	59.020000	50.000000	0.3761200	0.01	18.04		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date: 06/25/03 Time: 1226

Lab File ID: K4787 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.0638000	1.0638000	0.01	-15.57		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.4677600	0.4677600	0.01	-13.38		AVRG
4-Nitroaniline	51.130000	50.000000	0.2031600	0.01	2.26		2RDR
4,6-Dinitro-2-Methylphenol	68.991000	50.000000	0.1363200	0.01	37.98		2RDR
N-Nitrosodiphenylamine	0.5590000	0.4663400	0.4663400	0.01	-16.58	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.1990900	0.1990900	0.01	-14.55		AVRG
Hexachlorobenzene	0.2930000	0.2467200	0.2467200	0.01	-15.80		AVRG
Pentachlorophenol	52.906000	50.000000	0.1671700	0.01	5.81		LINR
Carbazole	0.8120000	0.5968600	0.5968600	0.01	-26.50		AVRG
Di-n-butylphthalate	1.2140000	1.3086000	1.3086000	0.01	7.79		AVRG
Butylbenzylphthalate	0.6790000	0.7004500	0.7004500	0.01	3.16		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2965800	0.2965800	0.01	4.43		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.9074700	0.9074700	0.01	0.27		AVRG
Di-n-octylphthalate	2.1640000	2.1157000	2.1157000	0.01	-2.23	20.00	AVRG
Benzaldehyde	0.2090000	0.5821800	0.5821800	0.01	178.56		AVRG
Acetophenone	1.6090000	1.1392000	1.1392000	0.01	-29.20		AVRG
Caprolactam	0.1000000	9.1e-002	9.1e-002	0.01	-9.00		AVRG
1,1'-Biphenyl	1.4450000	1.3240000	1.3240000	0.01	-8.37		AVRG
Atrazine	0.2050000	0.1060300	0.1060300	0.01	-48.28		AVRG
2-Fluorophenol	1.1900000	1.3871000	1.3871000	0.01	16.56		AVRG
Phenol-D6	1.4120000	1.6086000	1.6086000	0.01	13.92		AVRG
Nitrobenzene-D5	0.3430000	0.3284400	0.3284400	0.01	-4.24		AVRG
2-Fluorobiphenyl	1.2160000	1.1378000	1.1378000	0.01	-6.43		AVRG
2,4,6-Tribromophenol	0.1870000	0.1748700	0.1748700	0.01	-6.49		AVRG
Terphenyl-D14	0.9000000	0.9374900	0.9374900	0.01	4.16		AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): K4787 Date Analyzed: 06/25/03

Instrument ID: GCMS-K Time Analyzed: 1226

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		219912	7.97	538080	10.79	209301	14.87
UPPER LIMIT		439824	8.47	1076160	11.29	418602	15.37
LOWER LIMIT		109956	7.47	269040	10.29	104651	14.37
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM17I02	WT1233-7RA	165615	7.97	467289	10.79	210754	14.86
02 13GLM17I02D	WT1233-9RA	168698	7.97	496690	10.79	191716	14.87
03 13GLM17D02	WT1233-11RA	126446	7.97	469716	10.78	211060	14.87
04 10GLM03S02	WT1233-13RA	140493	7.97	404845	10.79	176440	14.87
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): K4787 Date Analyzed: 06/25/03

Instrument ID: GCMS-K Time Analyzed: 1226

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		283225	18.28	197467	24.54	125400	27.64
UPPER LIMIT		566450	18.78	394934	25.04	250800	28.14
LOWER LIMIT		141613	17.78	98734	24.04	62700	27.14
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM17I02	WT1233-7RA	281320	18.28	146799	24.53	99157	27.66
02 13GLM17I02D	WT1233-9RA	255783	18.28	182777	24.53	124359	27.65
03 13GLM17D02	WT1233-11RA	241358	18.27	166157	24.53	105176	27.65
04 10GLM03S02	WT1233-13RA	248300	18.27	175749	24.53	119503	27.65
05							
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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 Panama City CTO-287		JOB NUMBER Job-9061 SDG-2874	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 4-Aug-03

Sample 13GLM18502

bis(2-ethylhexyl)phthalate = 18 ug/L

$$Bis(2EHP) = \frac{(69973)(40\ ug/mL)(1\ mL)}{(160718)(0.9054)(1050\ mL)} = 0.0183\ ug/mL = 18.3\ ug/L$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-1
Client ID: 13GLM18S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate		18	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 06/24/03
Report Date: 07/01/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-1
Client ID: 13GLM18S02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		54%				
13127-88-3	Phenol-D6		35%				
4165-60-0	Nitrobenzene-D5		85%				
321-60-8	2-Fluorobiphenyl		78%				
118-79-6	2,4,6-Tribromophenol		90%				
1718-51-0	Terphenyl-D14		83%				

Data File: \\Target_server\GG\chem\gcms-k.i\K062403.b\K4777.D
Report Date: 27-Jun-2003 15:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-k.i\K062403.b\K4777.D
Lab Smp Id: WT1233-1 Client Smp ID: 13GLM18S02
Inj Date : 24-JUN-2003 21:12 MS Autotune Date: 24-SEP-2001 14:48
Operator : JJC Inst ID: gcms-k.i
Smp Info : WT1233-1
Misc Info : SW846 8270C
Comment :
Method : \\Target_server\GG\chem\gcms-k.i\K062403.b\8270cOLM.m
Meth Date : 25-Jun-2003 13:06 gcms-k.i Quant Type: ISTD
Cal Date : 09-MAY-2003 18:58 Cal File: K4157.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tetraOLM.sub
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
DF	1.000	Dilution Factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 4 2-Fluorophenol	112	5.521	5.513	(0.692)	251008	54.5548	52.0
$ 6 Phenol-D6	99	7.576	7.577	(0.950)	191820	35.1145	33.4
* 12 1,4-Dichlorobenzene-D4	152	7.975	7.977	(1.000)	154693	40.0000	
$ 22 Nitrobenzene-D5	82	9.271	9.272	(0.859)	160837	42.7398	40.7
* 30 Naphthalene-D8	136	10.790	10.791	(1.000)	438737	40.0000	
$ 42 2-Fluorobiphenyl	172	13.400	13.401	(0.902)	214126	39.2231	37.4
* 50 Acenaphthene-D10	164	14.851	14.862	(1.000)	179580	40.0000	
$ 64 2,4,6-Tribromophenol	330	16.741	16.742	(1.127)	75216	89.7197	85.4
* 69 Phenanthrene-D10	188	18.260	18.271	(1.000)	265351	40.0000	
$ 77 Terphenyl-D14	244	22.195	22.206	(0.906)	150272	41.5594	39.6
* 81 Chrysene-D12	240	24.503	24.524	(1.000)	160718	40.0000	
84 bis(2-Ethylhexyl)phthalate	149	25.126	25.137	(1.025)	69973	19.2348	18.3
* 89 Perylene-D12	264	27.629	27.640	(1.000)	104255	40.0000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
2,4-Dinitrotoluene	13312	32487	92385	175890	217050	353260	2ORDR	4e-002	3.30651	-0.5535	0.99850	0.99000	
Fluorene	1.111	1.063	1.078	1.022	0.986	1.094	AVRG		1.05906		4.425	15.000	
Diethylphthalate	1.345	1.305	1.248	1.212	1.132	1.315	AVRG		1.25952		6.240	15.000	
4-Chlorophenyl-phenylether	0.602	0.553	0.529	0.512	0.509	0.536	AVRG		0.54021		6.319	15.000	
4-Nitroaniline	6836	17613	62754	109900	140540	232520	2ORDR	9e-002	5.01262	-1.3018	0.99602	0.99000	
4,6-Dinitro-2-Methylphenol	3557	9826	35082	70792	89582	155960	2ORDR	0.15696	10.1397	-5.5093	0.99969	0.99000	
N-Nitrosodiphenylamine	0.580	0.564	0.548	0.545	0.537	0.578	AVRG		0.55846		3.226	15.000	
1,2-Diphenylhydrazine	1.109	1.126	1.110	1.082	1.033	1.245	AVRG		1.11741		6.314	15.000	
4-Bromophenyl-phenylether	0.232	0.249	0.226	0.237	0.221	0.233	AVRG		0.23284		4.048	15.000	
Hexachlorobenzene	0.304	0.309	0.280	0.289	0.282	0.293	AVRG		0.29288		4.031	15.000	
Pentachlorophenol	7288	18983	57971	110100	129440	216200	LINR	0.21583	5.29664		0.99365	0.99000	
Phenanthrene	1.128	1.108	1.028	0.998	0.970	1.052	AVRG		1.04734		5.883	15.000	
Anthracene	1.041	1.022	0.997	0.983	0.950	1.033	AVRG		1.00449		3.429	15.000	
Carbazole	0.884	0.846	0.826	0.774	0.723	0.820	AVRG		0.81239		6.962	15.000	
Di-n-butylphthalate	1.194	1.217	1.187	1.250	1.149	1.287	AVRG		1.21394		4.044	15.000	
Fluoranthene	0.937	0.879	0.894	0.877	0.842	0.912	AVRG		0.89016		3.672	15.000	
Benzidine	0.028	0.019	0.056	0.066	0.076	0.081	AVRG		5e-002		47.169	15.000	<-
Pyrene	1.557	1.545	1.435	1.389	1.381	1.396	AVRG		1.45053		5.529	15.000	
Butylbenzylphthalate	0.665	0.654	0.694	0.660	0.684	0.718	AVRG		0.67920		3.609	15.000	
Bis(2-Ethylhexyl)Adipate	0.500	0.549	0.566	0.550	0.555	0.605	AVRG		0.55448		6.094	15.000	
Benzo(a)anthracene	1.030	1.005	1.046	1.000	0.973	1.080	AVRG		1.02230		3.702	15.000	
Chrysene	1.085	1.012	1.024	0.956	0.950	0.989	AVRG		1.00268		4.984	15.000	
3,3'-Dichlorobenzidine	0.286	0.266	0.298	0.278	0.276	0.302	AVRG		0.28457		4.803	15.000	
bis(2-Ethylhexyl)phthalate	0.870	0.878	0.900	0.907	0.918	0.959	AVRG		0.90540		3.502	15.000	
Di-n-octylphthalate	1.923	2.235	2.174	2.088	2.158	2.408	AVRG		2.16446		7.403	15.000	
Benzo(b)fluoranthene	1.558	1.537	1.415	1.408	1.502	1.583	AVRG		1.50053		4.939	15.000	
Benzo(k)fluoranthene	1.690	1.638	1.651	1.541	1.550	1.551	AVRG		1.60351		3.996	15.000	
Benzo(a)pyrene	1.327	1.305	1.298	1.238	1.293	1.386	AVRG		1.30779		3.704	15.000	
Indeno(1,2,3-cd)pyrene	1.015	1.122	1.179	1.110	1.247	1.382	AVRG		1.17603		10.806	15.000	
Dibenzo(a,h)anthracene	1.060	1.092	1.198	1.114	1.263	1.337	AVRG		1.17742		9.157	15.000	
Benzo(g,h,i)perylene	1.123	1.167	1.245	1.157	1.301	1.388	AVRG		1.23025		8.198	15.000	
Benzaldehyde	0.142	0.169	0.229	0.284	0.265	0.166	AVRG		0.20905		27.926	15.000	<-
Acetophenone	1.719	1.689	1.585	1.653	1.445	1.563	AVRG		1.60905		6.220	15.000	
Caprolactam	0.086	0.098	0.106	0.103	0.098	0.112	AVRG		0.10032		8.686	15.000	
1,1'-Biphenyl	1.560	1.510	1.468	1.363	1.330	1.438	AVRG		1.44500		6.034	15.000	
Atrazine	0.208	0.214	0.203	0.202	0.195	0.210	AVRG		0.20525		3.282	15.000	
2-Fluorophenol	1.189	1.199	1.198	1.214	1.127	1.212	AVRG		1.18972		2.706	15.000	
Phenol-D6	1.504	1.455	1.423	1.429	1.297	1.367	AVRG		1.41253		5.103	15.000	
Nitrobenzene-D5	0.300	0.316	0.354	0.338	0.358	0.393	AVRG		0.34309		9.637	15.000	
2-Fluorobiphenyl	1.305	1.246	1.218	1.166	1.132	1.228	AVRG		1.21599		4.979	15.000	
2,4,6-Tribromophenol	0.168	0.169	0.192	0.188	0.191	0.213	AVRG		0.18673		8.974	15.000	
Terphenyl-D14	0.986	0.917	0.892	0.872	0.858	0.874	AVRG		0.89992		5.187	15.000	

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: XD968 DFTPP Injection Date: 06/06/03

Instrument ID: GCMS-X DFTPP Injection Time: 1620

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	67.1
70	Less than 2.0% of mass 69	0.7 (1.1)1
127	40.0 - 60.0% of mass 198	49.4
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	7.5
275	10.0 - 30.0% of mass 198	22.5
365	1.0 - 100.0% of mass 198	3.2
441	0.0 - 100.0% of mass 443	8.9 (94.1)2
442	40.0 - 100.0% of mass 198	51.5
443	17.0 - 23.0% of mass 442	9.5 (18.4)3

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

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.25X0606	X2956	06/06/03	1640
02		SSTD3.00X0606	X2957	06/06/03	1723
03		SSTD0.125X0606	X2958	06/06/03	1807
04		SSTD2.50X0606	X2959	06/06/03	1850
05		SSTD0.625X0606	X2960	06/06/03	1933
06		SSTD2.00X0606	X2961	06/06/03	2016
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FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-X Calibration Date(s): 06/06/03 06/06/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1640 2016

LAB FILE ID: RF0.125: X2958 RF0.625: X2960 RF1.25: X2956
RF2: X2961 RF2.5: X2959 RF3: X2957

COMPOUND	RF0.125	RF0.625	RF1.25	RF2	RF2.5	RF3	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	0.887	1.088	1.060	1.197	0.994	1.244	AVRG		1.07838		12.153	15.000
2-Methylnaphthalene	0.596	0.497	0.567	0.597	0.532	0.661	AVRG		0.57512		9.945	15.000
Acenaphthylene	1.131	1.432	1.242	1.203	1.332	1.348	AVRG		1.28130		8.534	15.000
Acenaphthene	0.684	0.760	0.690	0.825	0.717	0.738	AVRG		0.73585		7.145	30.000
Fluorene	0.655	0.767	0.866	0.755	0.869	0.858	AVRG		0.79522		10.738	15.000
Phenanthrene	0.917	1.005	0.927	1.134	1.245	1.083	AVRG		1.05170		12.112	15.000
Anthracene	1.093	1.325	0.880	1.173	1.204	1.092	AVRG		1.12791		13.178	15.000
Fluoranthene	1.012	1.016	0.812	0.979	1.097	0.925	AVRG		0.97357		9.952	30.000
Pyrene	1.250	1.429	1.253	1.560	1.526	1.591	AVRG		1.43471		10.595	15.000
Benzo(a)anthracene	1246	4619	25752	21327	28304	35394	2ORDR	5e-002	1.21687	-9e-002	0.99256	0.99000
Chrysene	1.307	1.375	1.237	1.365	1.332	1.706	AVRG		1.38696		11.813	15.000
Benzo(b)fluoranthene	1.288	1.283	1.382	1.585	1.656	1.825	AVRG		1.50331		14.683	15.000
Benzo(k)fluoranthene	1.859	2.066	1.696	2.078	2.167	2.174	AVRG		2.00688		9.471	15.000
Benzo(a)pyrene	1.308	1.430	1.222	1.366	1.481	1.597	AVRG		1.40081		9.460	30.000
Indeno(1,2,3-cd)pyrene	0.810	0.787	0.866	0.918	1.010	1.139	AVRG		0.92161		14.464	15.000
Dibenzo(a,h)anthracene	0.978	0.984	0.907	1.052	1.112	1.195	AVRG		1.03808		9.998	15.000
Benzo(g,h,i)perylene	1.284	1.302	1.159	1.464	1.494	1.544	AVRG		1.37460		10.844	15.000
1-Methylnaphthalene	0.922	0.845	0.970	0.936	0.855	1.046	AVRG		0.92893		8.055	15.000
2-Methylnaphthalene-d10	0.465	0.538	0.607	0.556	0.517	0.593	AVRG		0.54591		9.481	35.000
Fluorene-d10	0.598	0.653	0.689	0.639	0.689	0.727	AVRG		0.66577		6.783	35.000
Pyrene-d10	0.890	1.148	0.914	1.182	1.024	1.109	AVRG		1.04449		11.705	35.000

Average %RSD test result.

Calculate Average %RSD: 12.28143787
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG2380-BLANK	WG2380-1B	113	70	82						0
02	WG2380-LCS	WG2380-2	62	94	75						0
03	WG2380-LCSD	WG2380-3	63	96	68						0
04	13GLM16S02	WT1187-2	103	93	71						0
05	13GLM16I02	WT1187-4	60	85	78						0
06	13GLM16D02	WT1187-6	90	94	85						0
07	13GLM7I02	WT1187-8	92	52	63						0
08	13GLM17S02	WT1187-10	95	96	64						0
09	13GLM13I02	WT1187-12	95	90	64						0
10	13GLM13S02	WT1187-14	84	83	106						0
11	WG2418-LCS	WG2418-2	60	74	83						0
12	WG2418-LCSD	WG2418-3	51	59	84						0
13	13GLM18S02	WT1233-2	63	78	85						0
14	13GLM18I02	WT1233-4	68	72	85						0
15	13GLM18D02	WT1233-6	74	58	95						0
16	13GLM17I02	WT1233-8	63	69	94						0
17	13GLM17I02D	WT1233-10	51	66	73						0
18	13GLM17D02	WT1233-12	56	62	68						0
19	10GLM03S02	WT1233-14	65	75	80						0
20	WG2418-BLANK	WG2418-1C	65	66	88						0
21	13GLM18D02	WT1233-6DL	57	82	106						0
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1	= 2-Methylnaphthalene-d1	(30-150)
S2	= Fluorene-d10	(30-150)
S3	= Pyrene-d10	(30-150)

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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: XD976 DFTPP Injection Date: 06/16/03

Instrument ID: GCMS-X DFTPP Injection Time: 1549

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	66.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.9
197	Less than 1.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.9
275	10.0 - 30.0% of mass 198	23.0
365	1.0 - 100.0% of mass 198	3.5
441	0.0 - 100.0% of mass 443	7.2 (81.5)2
442	40.0 - 100.0% of mass 198	46.0
443	17.0 - 23.0% of mass 442	8.9 (19.3)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		SSTD1.25X0616	X3072	06/16/03	1609
02	WG2380-BLANK	WG2380-1B	X3073	06/16/03	1655
03	WG2380-LCS	WG2380-2	X3074	06/16/03	1737
04	WG2380-LCSD	WG2380-3	X3075	06/16/03	1820
05	13GLM16S02	WT1187-2	X3077	06/16/03	1945
06	13GLM16I02	WT1187-4	X3078	06/16/03	2028
07	13GLM16D02	WT1187-6	X3079	06/16/03	2111
08	13GLM7I02	WT1187-8	X3080	06/16/03	2154
09	13GLM17S02	WT1187-10	X3081	06/16/03	2237
10	13GLM13I02	WT1187-12	X3082	06/16/03	2319
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-X Calibration Date: 06/16/03 Time: 1609

Lab File ID: X3072 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	1.2737000	1.2737000	0.01	18.15		AVRG
2-Methylnaphthalene	0.5750000	0.6349400	0.6349400	0.01	10.42		AVRG
Acenaphthylene	1.2810000	1.1165000	1.1165000	0.01	-12.84		AVRG
Acenaphthene	0.7360000	0.8820800	0.8820800	0.01	19.85	20.00	AVRG
Fluorene	0.7950000	0.8473500	0.8473500	0.01	6.58		AVRG
Phenanthrene	1.0520000	0.6828700	0.6828700	0.01	-35.09		AVRG
Anthracene	1.1280000	0.9330500	0.9330500	0.01	-17.28		AVRG
Fluoranthene	0.9740000	0.8243500	0.8243500	0.01	-15.36	20.00	AVRG
Pyrene	1.4350000	1.2456000	1.2456000	0.01	-13.20		AVRG
Benzo(a)anthracene	0.9677300	1.2500000	0.6601500	0.01	-22.58		2RDR
Chrysene	1.3870000	1.2800000	1.2800000	0.01	-7.71		AVRG
Benzo(b)fluoranthene	1.5030000	1.3150000	1.3150000	0.01	-12.51		AVRG
Benzo(k)fluoranthene	2.0070000	2.0409000	2.0409000	0.01	1.69		AVRG
Benzo(a)pyrene	1.4010000	1.3992000	1.3992000	0.01	-0.13	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.8105300	0.8105300	0.01	-12.09		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.8897400	0.8897400	0.01	-14.28		AVRG
Benzo(g,h,i)perylene	1.3740000	1.3238000	1.3238000	0.01	-3.65		AVRG
1-Methylnaphthalene	0.9290000	0.8861600	0.8861600	0.01	-4.61		AVRG
2-Methylnaphthalene-d10	0.5460000	0.5347800	0.5347800	0.01	-2.05		AVRG
Fluorene-d10	0.6660000	0.7054200	0.7054200	0.01	5.92		AVRG
Pyrene-d10	1.0440000	0.9854900	0.9854900	0.01	-5.60		AVRG

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/23/03
Analysis Date: 06/16/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2380-1B
Client ID: WG2380-Blank
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		113%				
81103-79-9	Fluorene-d10		70%				
1718-52-1	Pyrene-d10		82%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/23/03
Analysis Date: 06/16/03
Report Date: 07/03/2003
Matrix: WATER

Lab ID: WG2380-2 & WG2380-3
Client ID: WG2380-LCS & WG2380-LCSD
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2380
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Naphthalene	2.0	2.0	NA	1.3	1.3	63	64	2	30	30-150
2-Methylnaphthalene	2.0	2.0	NA	1.6	2.0	81	100	21	30	30-150
Acenaphthylene	2.0	2.0	NA	1.0	1.0	50	50	0.0	30	30-150
Acenaphthene	2.0	2.0	NA	1.7	1.5	87	74	16	30	30-150
Fluorene	2.0	2.0	NA	1.3	1.4	66	68	4	30	30-150
Phenanthrene	2.0	2.0	NA	0.86	0.86	43	43	0.3	30	30-150
Anthracene	2.0	2.0	NA	1.1	1.0	54	52	2	30	30-150
Fluoranthene	2.0	2.0	NA	1.3	1.2	63	62	2	30	30-150
Pyrene	2.0	2.0	NA	1.2	1.2	61	58	6	30	30-150
Benzo(a)anthracene	2.0	2.0	NA	1.5	1.3	75	63	17	30	30-150
Chrysene	2.0	2.0	NA	1.4	1.3	69	64	7	30	30-150
Benzo(b)fluoranthene	2.0	2.0	NA	1.4	1.4	72	69	5	30	30-150
Benzo(k)fluoranthene	2.0	2.0	NA	1.5	1.5	74	74	0.7	30	30-150
Benzo(a)pyrene	2.0	2.0	NA	1.4	1.4	72	72	0.0	30	30-150
Indeno(1,2,3-cd)pyrene	2.0	2.0	NA	1.4	1.3	72	64	11	30	30-150
Dibenzo(a,h)anthracene	2.0	2.0	NA	1.4	1.3	70	64	9	30	30-150
Benzo(g,h,i)perylene	2.0	2.0	NA	1.4	1.3	68	64	6	30	30-150

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): X3072 Date Analyzed: 06/16/03

Instrument ID: GCMS-X Time Analyzed: 1609

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		4153	7.34	13041	10.17	7778	14.25
UPPER LIMIT		8306	7.84	26082	10.67	15556	14.75
LOWER LIMIT		2077	6.84	6521	9.67	3889	13.75
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2380-BLANK	WG2380-1B	3161	7.34	11068	10.17	7074	14.25
02 WG2380-LCS	WG2380-2	4424	7.34	11442	10.17	7330	14.25
03 WG2380-LCSD	WG2380-3	4000	7.33	10022	10.17	6287	14.25
04 13GLM16S02	WT1187-2	4059	7.33	11894	10.17	6108	14.25
05 13GLM16I02	WT1187-4	3839	7.34	11129	10.17	5854	14.25
06 13GLM16D02	WT1187-6	4472	7.34	14121	10.17	6215	14.25
07 13GLM7I02	WT1187-8	3499	7.33	11676	10.17	8221	14.25
08 13GLM17S02	WT1187-10	4162	7.34	12453	10.17	6441	14.25
09 13GLM13I02	WT1187-12	3372	7.33	12257	10.17	6586	14.25
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): X3072 Date Analyzed: 06/16/03

Instrument ID: GCMS-X Time Analyzed: 1609

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		10033	17.72	6163	23.98	3070	27.08
UPPER LIMIT		20066	18.22	12326	24.48	6140	27.58
LOWER LIMIT		5017	17.22	3082	23.48	1535	26.58
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2380-BLANK	WG2380-1B	6448	17.72	5140	23.98	2738	27.08
02 WG2380-LCS	WG2380-2	11232	17.72	6371	23.98	3834	27.08
03 WG2380-LCSD	WG2380-3	9235	17.72	5481	23.98	2730	27.08
04 13GLM16S02	WT1187-2	9102	17.72	6150	23.98	2575	27.08
05 13GLM16I02	WT1187-4	9041	17.72	5124	23.98	2580	27.08
06 13GLM16D02	WT1187-6	10393	17.72	5944	23.98	2894	27.08
07 13GLM7I02	WT1187-8	9435	17.72	5135	23.98	2496	27.08
08 13GLM17S02	WT1187-10	10666	17.72	7844	23.98	4066	27.08
09 13GLM13I02	WT1187-12	9601	17.72	6231	23.98	3346	27.08
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: XD007 DFTPP Injection Date: 07/01/03

Instrument ID: GCMS-X DFTPP Injection Time: 0938

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.8
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	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	43.7
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	6.8
275	10.0 - 30.0% of mass 198	21.9
365	1.0 - 100.0% of mass 198	2.4
441	0.0 - 100.0% of mass 443	16.8 (96.6)2
442	40.0 - 100.0% of mass 198	91.8
443	17.0 - 23.0% of mass 442	17.4 (18.9)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		SSTD0.125X0701	X3434	07/01/03	1121
02		SSTD2.00X0701	X3436	07/01/03	1249
03		SSTD3.00X0701	X3438	07/01/03	1415
04		SSTD0.625X0701	X3439	07/01/03	1459
05		SSTD1.25X0701	X3440	07/01/03	1549
06		SSTD2.50X0701	X3442	07/01/03	1720
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 CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-X Calibration Date(s): 07/01/03 07/01/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1720

LAB FILE ID: RF0.125: X3434 RF0.625: X3439 RF1.25: X3440
RF2: X3436 RF2.5: X3442 RF3: X3438

COMPOUND	RF0.125	RF0.625	RF1.25	RF2	RF2.5	RF3	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	0.617	0.818	0.792	0.701	0.677	0.664	AVRG		0.71163	10.939	15.000
2-Methylnaphthalene	0.436	0.464	0.451	0.446	0.434	0.466	AVRG		0.44967	3.052	15.000
Acenaphthylene	1.274	1.431	1.513	1.404	1.440	1.877	AVRG		1.49015	13.765	15.000
Acenaphthene	1.045	1.198	1.239	1.215	1.023	1.170	AVRG		1.14813	7.982	30.000
Fluorene	1.159	1.227	1.080	1.212	1.060	1.172	AVRG		1.15180	5.921	15.000
Phenanthrene	0.828	0.924	0.932	0.966	1.043	0.890	AVRG		0.93075	7.740	15.000
Anthracene	1.029	1.065	0.974	1.050	0.996	0.969	AVRG		1.01398	3.950	15.000
Fluoranthene	1.021	1.046	1.026	1.021	1.122	0.977	AVRG		1.03563	4.645	30.000
Pyrene	1.007	1.043	0.706	1.032	1.054	0.914	AVRG		0.95957	13.972	15.000
Benzo(a)anthracene	0.755	0.739	0.607	0.596	0.771	0.559	AVRG		0.67140	13.969	15.000
Chrysene	0.884	0.787	0.654	1.022	0.886	0.917	AVRG		0.85817	14.618	15.000
Benzo(b)fluoranthene	1.090	1.205	1.030	1.370	1.326	1.326	AVRG		1.22444	11.450	15.000
Benzo(k)fluoranthene	1.590	1.680	1.386	1.567	1.486	1.413	AVRG		1.52035	7.398	15.000
Benzo(a)pyrene	1.016	1.439	0.995	1.204	1.125	1.160	AVRG		1.15645	13.872	30.000
Indeno(1,2,3-cd)pyrene	0.982	0.859	0.757	0.993	0.903	0.922	AVRG		0.90279	9.666	15.000
Dibenzo(a,h)anthracene	0.896	0.918	0.777	0.942	0.860	0.901	AVRG		0.88237	6.621	15.000
Benzo(g,h,i)perylene	2717	7073	22406	28678	44357	34719	LINR	8e-003	0.98384	0.99058	0.99000
1-Methylnaphthalene	0.448	0.562	0.558	0.463	0.455	0.418	AVRG		0.48414	12.576	15.000
2-Methylnaphthalene-d10	0.388	0.438	0.587	0.479	0.516	0.528	AVRG		0.48942	14.346	35.000
Fluorene-d10	1.007	1.204	1.080	1.232	1.077	1.163	AVRG		1.12708	7.657	35.000
Pyrene-d10	0.632	0.682	0.524	0.719	0.696	0.574	AVRG		0.63792	11.924	35.000

Average %RSD test result.

Calculate Average %RSD: 11.75913906
Maximum Average %RSD: 30.00000000

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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: XD008 DFTPP Injection Date: 07/01/03

Instrument ID: GCMS-X DFTPP Injection Time: 1806

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	61.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	43.2
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	7.2
275	10.0 - 30.0% of mass 198	21.1
365	1.0 - 100.0% of mass 198	2.3
441	0.0 - 100.0% of mass 443	9.1 (50.4)2
442	40.0 - 100.0% of mass 198	89.1
443	17.0 - 23.0% of mass 442	18.1 (20.3)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		SSTD1.25X0701A	X3443	07/01/03	1827
02	13GLM13S02	WT1187-14	X3444	07/01/03	1909
03	WG2418-LCS	WG2418-2	X3446	07/01/03	2036
04	WG2418-LCSD	WG2418-3	X3447	07/01/03	2118
05	13GLM18S02	WT1233-2	X3448	07/01/03	2201
06	13GLM18I02	WT1233-4	X3449	07/01/03	2244
07	13GLM18D02	WT1233-6	X3450	07/01/03	2328
08	13GLM17I02	WT1233-8	X3451	07/02/03	0010
09	13GLM17I02D	WT1233-10	X3452	07/02/03	0054
10	13GLM17D02	WT1233-12	X3453	07/02/03	0138
11	10GLM03S02	WT1233-14	X3454	07/02/03	0221
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-X Calibration Date: 07/01/03 Time: 1827

Lab File ID: X3443 Init. Calib. Date(s): 07/01/03 07/01/03

Init. Calib. Times: 1038 1720

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	0.7120000	0.6861900	0.6861900	0.01	-3.62		AVRG
2-Methylnaphthalene	0.4500000	0.3951100	0.3951100	0.01	-12.20		AVRG
Acenaphthylene	1.4900000	1.4231000	1.4231000	0.01	-4.49		AVRG
Acenaphthene	1.1480000	1.0268000	1.0268000	0.01	-10.56	20.00	AVRG
Fluorene	1.1520000	1.0200000	1.0200000	0.01	-11.46		AVRG
Phenanthrene	0.9300000	0.9585400	0.9585400	0.01	3.07		AVRG
Anthracene	1.0140000	1.0137000	1.0137000	0.01	-0.03		AVRG
Fluoranthene	1.0360000	1.1289000	1.1289000	0.01	8.97	20.00	AVRG
Pyrene	0.9590000	0.8001700	0.8001700	0.01	-16.56		AVRG
Benzo(a)anthracene	0.6710000	0.7118600	0.7118600	0.01	6.09		AVRG
Chrysene	0.8580000	0.7069500	0.7069500	0.01	-17.60		AVRG
Benzo(b)fluoranthene	1.2240000	1.1885000	1.1885000	0.01	-2.90		AVRG
Benzo(k)fluoranthene	1.5200000	1.4394000	1.4394000	0.01	-5.30		AVRG
Benzo(a)pyrene	1.1560000	1.0874000	1.0874000	0.01	-5.93	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9030000	0.8633600	0.8633600	0.01	-4.39		AVRG
Dibenzo(a,h)anthracene	0.8820000	0.8476500	0.8476500	0.01	-3.89		AVRG
Benzo(g,h,i)perylene	1.2595000	1.2500000	1.0188000	0.01	0.76		LINR
1-Methylnaphthalene	0.4840000	0.4553400	0.4553400	0.01	-5.92		AVRG
2-Methylnaphthalene-d10	0.4890000	0.4852300	0.4852300	0.01	-0.77		AVRG
Fluorene-d10	1.1270000	1.0394000	1.0394000	0.01	-7.77		AVRG
Pyrene-d10	0.6380000	0.5458700	0.5458700	0.01	-14.44		AVRG

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/28/03
Analysis Date: 07/01/03
Report Date: 07/03/2003
Matrix: WATER

Lab ID: WG2418-2 & WG2418-3
Client ID: WG2418-LCS & WG2418-LCSD
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Naphthalene	2.0	2.0	NA	1.3	1.2	64	60		8	30	30-150
2-Methylnaphthalene	2.0	2.0	NA	2.7	2.9	136	144		6	30	30-150
Acenaphthylene	2.0	2.0	NA	1.6	1.4	80	70		13	30	30-150
Acenaphthene	2.0	2.0	NA	1.6	1.3	78	64		19	30	30-150
Fluorene	2.0	2.0	NA	1.6	1.4	80	69		15	30	30-150
Phenanthrene	2.0	2.0	NA	2.0	1.7	99	87		13	30	30-150
Anthracene	2.0	2.0	NA	1.8	1.6	92	82		10	30	30-150
Fluoranthene	2.0	2.0	NA	2.3	1.9	113	94		18	30	30-150
Pyrene	2.0	2.0	NA	1.7	1.7	86	86		0.0	30	30-150
Benzo(a)anthracene	2.0	2.0	NA	2.5	2.2	126	108		16	30	30-150
Chrysene	2.0	2.0	NA	1.5	1.4	75	72		4	30	30-150
Benzo(b)fluoranthene	2.0	2.0	NA	2.2	2.0	110	99		10	30	30-150
Benzo(k)fluoranthene	2.0	2.0	NA	1.8	1.7	92	87		5	30	30-150
Benzo(a)pyrene	2.0	2.0	NA	1.9	1.8	94	90		4	30	30-150
Indeno(1,2,3-cd)pyrene	2.0	2.0	NA	2.1	1.5	106	74	*	35	30	30-150
Dibenzo(a,h)anthracene	2.0	2.0	NA	2.1	1.5	106	74	*	35	30	30-150
Benzo(g,h,i)perylene	2.0	2.0	NA	2.0	1.4	100	72	*	31	30	30-150

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): X3443 Date Analyzed: 07/01/03

Instrument ID: GCMS-X Time Analyzed: 1827

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	17840	6.81	49866	9.62	19831	13.70
UPPER LIMIT	35680	7.31	99732	10.12	39662	14.20
LOWER LIMIT	8920	6.31	24933	9.12	9916	13.20

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	13GLM13S02	WT1187-14	12873	6.81	44691	9.62	19986	13.70
02	WG2418-LCS	WG2418-2	13972	6.80	58108	9.62	21124	13.70
03	WG2418-LCSD	WG2418-3	14139	6.81	53664	9.62	22079	13.70
04	13GLM18S02	WT1233-2	13298	6.80	42465	9.62	17071	13.70
05	13GLM18I02	WT1233-4	15098	6.80	54616	9.62	23559	13.70
06	13GLM18D02	WT1233-6	13407	6.80	45577	9.62	30148	13.70
07	13GLM17I02	WT1233-8	14247	6.81	52905	9.62	22871	13.70
08	13GLM17I02D	WT1233-10	12148	6.81	43681	9.62	19214	13.70
09	13GLM17D02	WT1233-12	13561	6.81	47546	9.62	22974	13.70
10	10GLM03S02	WT1233-14	14838	6.80	53431	9.62	22837	13.70
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): X3443 Date Analyzed: 07/01/03

Instrument ID: GCMS-X Time Analyzed: 1827

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		33706	17.15	38954	23.34	21516	26.44
UPPER LIMIT		67412	17.65	77908	23.84	43032	26.94
LOWER LIMIT		16853	16.65	19477	22.84	10758	25.94
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM13S02	WT1187-14	22070	17.15	23813	23.34	12803	26.42
02 WG2418-LCS	WG2418-2	23301	17.12	27708	23.34	15416	26.42
03 WG2418-LCSD	WG2418-3	30541	17.12	29278	23.34	15302	26.42
04 13GLM18S02	WT1233-2	32859	17.15	26979	23.34	14226	26.44
05 13GLM18I02	WT1233-4	35494	17.12	32738	23.34	17220	26.42
06 13GLM18D02	WT1233-6	28290	17.12	31714	23.34	16922	26.42
07 13GLM17I02	WT1233-8	34605	17.12	30873	23.34	16031	26.42
08 13GLM17I02D	WT1233-10	26162	17.15	24438	23.34	13025	26.42
09 13GLM17D02	WT1233-12	27431	17.15	32917	23.34	18036	26.42
10 10GLM03S02	WT1233-14	36589	17.15	32930	23.34	17619	26.42
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID: XD009 DFTPP Injection Date: 07/02/03

Instrument ID: GCMS-X DFTPP Injection Time: 1118

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	62.7
70	Less than 2.0% of mass 69	0.4 (0.6)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	6.9
275	10.0 - 30.0% of mass 198	19.8
365	1.0 - 100.0% of mass 198	1.8
441	0.0 - 100.0% of mass 443	8.2 (57.9)2
442	40.0 - 100.0% of mass 198	72.4
443	17.0 - 23.0% of mass 442	14.1 (19.5)3

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

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.25X0702	X3460	07/02/03	1138
02	WG2418-BLANK	WG2418-1C	X3461	07/02/03	1232
03	13GLM18D02	WT1233-6DL	X3462	07/02/03	1315
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-X Calibration Date: 07/02/03 Time: 1138

Lab File ID: X3460 Init. Calib. Date(s): 07/01/03 07/01/03

Init. Calib. Times: 1038 1720

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	0.7120000	0.7353400	0.7353400	0.01	3.28		AVRG
2-Methylnaphthalene	0.4500000	0.4464200	0.4464200	0.01	-0.80		AVRG
Acenaphthylene	1.4900000	1.7551000	1.7551000	0.01	17.79		AVRG
Acenaphthene	1.1480000	1.2241000	1.2241000	0.01	6.63	20.00	AVRG
Fluorene	1.1520000	1.2158000	1.2158000	0.01	5.54		AVRG
Phenanthrene	0.9300000	0.8388900	0.8388900	0.01	-9.80		AVRG
Anthracene	1.0140000	0.9454300	0.9454300	0.01	-6.76		AVRG
Fluoranthene	1.0360000	0.9854400	0.9854400	0.01	-4.88	20.00	AVRG
Pyrene	0.9590000	0.8527300	0.8527300	0.01	-11.08		AVRG
Benzo(a)anthracene	0.6710000	0.6791600	0.6791600	0.01	1.22		AVRG
Chrysene	0.8580000	0.5817800	0.5817800	0.01	-32.19		AVRG
Benzo(b)fluoranthene	1.2240000	1.1291000	1.1291000	0.01	-7.75		AVRG
Benzo(k)fluoranthene	1.5200000	1.1928000	1.1928000	0.01	-21.53		AVRG
Benzo(a)pyrene	1.1560000	0.9423000	0.9423000	0.01	-18.49	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9030000	0.9186900	0.9186900	0.01	1.74		AVRG
Dibenzo(a,h)anthracene	0.8820000	0.8390900	0.8390900	0.01	-4.86		AVRG
Benzo(g,h,i)perylene	1.2739000	1.2500000	1.0305000	0.01	1.91		LINR
1-Methylnaphthalene	0.4840000	0.4181600	0.4181600	0.01	-13.60		AVRG
2-Methylnaphthalene-d10	0.4890000	0.5647400	0.5647400	0.01	15.49		AVRG
Fluorene-d10	1.1270000	1.2486000	1.2486000	0.01	10.79		AVRG
Pyrene-d10	0.6380000	0.6161400	0.6161400	0.01	-3.43		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/28/03
Analysis Date: 07/02/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2418-1C
Client ID: WG2418-Blank
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		65%				
81103-79-9	Fluorene-d10		66%				
1718-52-1	Pyrene-d10		88%				

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): X3460 Date Analyzed: 07/02/03

Instrument ID: GCMS-X Time Analyzed: 1138

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	22307	6.81	95214	9.62	36976	13.70
UPPER LIMIT	44614	7.31	190428	10.12	73952	14.20
LOWER LIMIT	11154	6.31	47607	9.12	18488	13.20

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG2418-BLANK	WG2418-1C	27763	6.81	88634	9.62	44513	13.70
02	13GLM18D02	WT1233-6DL	25845	6.80	96469	9.62	37115	13.70
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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Lab File ID (Standard): X3460 Date Analyzed: 07/02/03

Instrument ID: GCMS-X Time Analyzed: 1138

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		62767	17.15	66855	23.34	36691	26.42
UPPER LIMIT		125534	17.65	133710	23.84	73382	26.92
LOWER LIMIT		31384	16.65	33428	22.84	18346	25.92
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2418-BLANK	WG2418-1C	57740	17.15	65972	23.34	36214	26.42
02	13GLM18D02	WT1233-6DL	49487	17.12	46172	23.34	24990	26.42
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 Panama City CTO-287		JOB NUMBER Job- 9061 SDG-2874	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 4-Aug-03

Sample 13GLM18002 Naphthalene = 3.1 ug/L

$$\text{naphthalene} = \frac{(137826)(0.8\,ug/mL)(1\,mL)(2)}{(96469)(0.7116)(1030\,mL)} = 0.003118\,ug/mL = 3.118\,ug/L$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/20/03
Received Date: 05/22/03
Extraction Date: 05/28/03
Analysis Date: 07/02/03
Report Date: 07/03/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1233-6DL
Client ID: 13GLM18D02
SDG: CTO287-4
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2418
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		3.1	2.0	0.20	0.39	0.097
91-57-6	2-Methylnaphthalene	U	0.39	2.0	0.20	0.39	0.16
208-96-8	Acenaphthylene	U	0.39	2.0	0.20	0.39	0.097
83-32-9	Acenaphthene	U	0.39	2.0	0.20	0.39	0.16
86-73-7	Fluorene	U	0.39	2.0	0.20	0.39	0.12
85-01-8	Phenanthrene	U	0.39	2.0	0.20	0.39	0.16
120-12-7	Anthracene	U	0.39	2.0	0.20	0.39	0.16
206-44-0	Fluoranthene	U	0.39	2.0	0.20	0.39	0.21
129-00-0	Pyrene	U	0.39	2.0	0.20	0.39	0.17
56-55-3	Benzo(a)anthracene	U	0.39	2.0	0.20	0.39	0.23
218-01-9	Chrysene	U	0.39	2.0	0.20	0.39	0.14
205-99-2	Benzo(b)fluoranthene	U	0.39	2.0	0.20	0.39	0.17
207-08-9	Benzo(k)fluoranthene	U	0.39	2.0	0.20	0.39	0.16
50-32-8	Benzo(a)pyrene	U	0.39	2.0	0.20	0.39	0.17
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.39	2.0	0.20	0.39	0.19
53-70-3	Dibenzo(a,h)anthracene	U	0.39	2.0	0.20	0.39	0.29
191-24-2	Benzo(g,h,i)perylene	U	0.39	2.0	0.20	0.39	0.16
90-12-0	1-Methylnaphthalene	U	0.39	2.0	0.20	0.39	0.16
7297-45-2	2-Methylnaphthalene-d10		57%				
81103-79-9	Fluorene-d10		82%				
1718-52-1	Pyrene-d10		106%				

Data File: \\Target_server\GG\chem\gcms-x.i\X070203.b\X3462.D
Report Date: 03-Jul-2003 08:13

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-x.i\X070203.b\X3462.D
Lab Smp Id: WT1233-6DL
Client Smp ID: 13GLM18D02
Inj Date : 02-JUL-2003 13:15
MS Autotune Date: 21-FEB-2002 09:20
Operator : JJC
Inst ID: gcms-x.i
Smp Info : WT1233-6DL
Misc Info : SW846 M8270C
Comment :
Method : \\Target_server\GG\chem\gcms-x.i\X070203.b\simall.m
Meth Date : 02-Jul-2003 12:08 jcasarin
Quant Type: ISTD
Cal Date : 01-JUL-2003 17:20
Cal File: X3442.D
Als bottle: 4
Dil Factor: 2.00000
Integrator: HP RTE
Compound Sublist: simtetra.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1030.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
DF	2.000	Dilution Factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-D4	152	6.803	6.812	(1.000)	25845	0.80000	(a)
* 2 Naphthalene-D8	136	9.618	9.618	(1.000)	96469	0.80000	(a)
4 Naphthalene	128	9.648	9.680	(1.003)	137826	1.60611	3.12
$ 5 2-Methylnaphthalene-d10	152	11.245	11.245	(1.169)	33590	0.56916	1.10(Q)
* 10 Acenaphthene-D10	164	13.698	13.698	(1.000)	37115	0.80000	(a)
$ 12 Fluorene-d10	176	14.936	14.936	(1.090)	43106	0.82437	1.60
* 14 Phenanthrene-D10	188	17.116	17.152	(1.000)	49487	0.80000	(a)
$ 19 Pyrene-d10	212	20.388	20.387	(0.874)	39019	1.05979	2.06
* 23 Chrysene-D12	240	23.340	23.339	(1.000)	46172	0.80000	(a)
* 28 Perylene-D12	264	26.424	26.423	(1.000)	24990	0.80000	(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GCMS-X Calibration Date(s): 07/01/03 07/01/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1720

LAB FILE ID: RF0.125: X3434 RF0.625: X3439 RF1.25: X3440
RF2: X3436 RF2.5: X3442 RF3: X3438

COMPOUND	RF0.125	RF0.625	RF1.25	RF2	RF2.5	RF3	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	0.617	0.818	0.792	0.701	0.677	0.664	AVRG		0.71163	10.939	15.000
2-Methylnaphthalene	0.436	0.464	0.451	0.446	0.434	0.466	AVRG		0.44967	3.052	15.000
Acenaphthylene	1.274	1.431	1.513	1.404	1.440	1.877	AVRG		1.49015	13.765	15.000
Acenaphthene	1.045	1.198	1.239	1.215	1.023	1.170	AVRG		1.14813	7.982	30.000
Fluorene	1.159	1.227	1.080	1.212	1.060	1.172	AVRG		1.15180	5.921	15.000
Phenanthrene	0.828	0.924	0.932	0.966	1.043	0.890	AVRG		0.93075	7.740	15.000
Anthracene	1.029	1.065	0.974	1.050	0.996	0.969	AVRG		1.01398	3.950	15.000
Fluoranthene	1.021	1.046	1.026	1.021	1.122	0.977	AVRG		1.03563	4.645	30.000
Pyrene	1.007	1.043	0.706	1.032	1.054	0.914	AVRG		0.95957	13.972	15.000
Benzo(a)anthracene	0.755	0.739	0.607	0.596	0.771	0.559	AVRG		0.67140	13.969	15.000
Chrysene	0.884	0.787	0.654	1.022	0.886	0.917	AVRG		0.85817	14.618	15.000
Benzo(b)fluoranthene	1.090	1.205	1.030	1.370	1.326	1.326	AVRG		1.22444	11.450	15.000
Benzo(k)fluoranthene	1.590	1.680	1.386	1.567	1.486	1.413	AVRG		1.52035	7.398	15.000
Benzo(a)pyrene	1.016	1.439	0.995	1.204	1.125	1.160	AVRG		1.15645	13.872	30.000
Indeno(1,2,3-cd)pyrene	0.982	0.859	0.757	0.993	0.903	0.922	AVRG		0.90279	9.666	15.000
Dibenzo(a,h)anthracene	0.896	0.918	0.777	0.942	0.860	0.901	AVRG		0.88237	6.621	15.000
Benzo(g,h,i)perylene	2717	7073	22406	28678	44357	34719	LINR	8e-003	0.98384	0.99058	0.99000
1-Methylnaphthalene	0.448	0.562	0.558	0.463	0.455	0.418	AVRG		0.48414	12.576	15.000
2-Methylnaphthalene-d10	0.388	0.438	0.587	0.479	0.516	0.528	AVRG		0.48942	14.346	35.000
Fluorene-d10	1.007	1.204	1.080	1.232	1.077	1.163	AVRG		1.12708	7.657	35.000
Pyrene-d10	0.632	0.682	0.524	0.719	0.696	0.574	AVRG		0.63792	11.924	35.000

Average %RSD test result.

Calculate Average %RSD: 11.75913906
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

GC Column: RTX-CLPI ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/11/03

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 17.55 TCX: 4.77

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	EVAL	EVAL	06/11/03	1155		
02	ICAL	INDAB 0.05PP	06/11/03	1614	17.56	4.76
03	ICAL	INDAB 0.005P	06/11/03	1641	17.56	4.76
04	ICAL	INDAB 0.01PP	06/11/03	1708	17.55	4.76
05	ICAL	INDAB 0.025P	06/11/03	1735	17.55	4.77
06	ICAL	INDAB 0.10PP	06/11/03	1802	17.55	4.77
07	ICAL	INDAB 0.25PP	06/11/03	1829	17.55	4.77
08	INDSOURCE	INDAB 0.05PP	06/11/03	1856		
09	TOX	TOX 1.0PPM	06/11/03	1923		
10	CHLOR	CHLOR 0.5PPM	06/11/03	1950		
11	WG2399-BLANK	WG2399-1	06/11/03	2017	17.55	4.77
12	WG2399-LCS	WG2399-2	06/11/03	2044	17.55	4.77
13	WG2399-LCSD	WG2399-3	06/11/03	2111	17.56	4.79
14	13GLM18S02	WT1233-1	06/11/03	2138	17.56	4.77
15	CV	INDAB 0.05PP	06/11/03	2259	17.56	4.77
16						
17						
18						
19						
20						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 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: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

GC Column: RTX-CLPII ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/11/03

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 21.64 TCX: 5.76

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	EVAL	EVAL	06/11/03	1155		
02	ICAL	INDAB 0.05PP	06/11/03	1614	21.64	5.75
03	ICAL	INDAB 0.005P	06/11/03	1641	21.64	5.75
04	ICAL	INDAB 0.01PP	06/11/03	1708	21.64	5.75
05	ICAL	INDAB 0.025P	06/11/03	1735	21.64	5.75
06	ICAL	INDAB 0.10PP	06/11/03	1802	21.64	5.75
07	ICAL	INDAB 0.25PP	06/11/03	1829	21.64	5.76
08	INDSOURCE	INDAB 0.05PP	06/11/03	1856		
09	TOX	TOX 1.0PPM	06/11/03	1923		
10	CHLOR	CHLOR 0.5PPM	06/11/03	1950		
11	WG2399-BLANK	WG2399-1	06/11/03	2017	21.64	5.76
12	WG2399-LCS	WG2399-2	06/11/03	2044	21.64	5.76
13	WG2399-LCSD	WG2399-3	06/11/03	2111	21.64	5.76
14	13GLM18S02	WT1233-1	06/11/03	2138	21.64	5.76
15	CV	INDAB 0.05PP	06/11/03	2259	21.64	5.76
16						
17						
18						
19						
20						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/11/03

Column: RTX-CLPI ID: 0.53 (mm) Calibration Time(s): 1140 1829

LAB FILE ID: RF0.005: 8TB3179 RF0.01: 8TB3180 RF0.025: 8TB3181
RF0.05: 8TB3178 RF0.1: 8TB3182 RF0.25: 8TB3183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
alpha-BHC	12966	26623	70792	165010	285280	676140	2ORDR	6e-004	3e-007	8e-014	0.99925	0.99000
gamma BHC	12811	26181	69879	158090	278500	654520	2ORDR	6e-004	3e-007	9e-014	0.99949	0.99000
Heptachlor	17574	32751	81081	166260	295670	658800	2ORDR	-2e-004	3.e-007	1e-013	0.99981	0.99000
beta-BHC	6859	13134	32738	75095	128330	306680	2ORDR	-1e-005	7e-007	3e-013	0.99916	0.99000
Aldrin	15335	30302	77434	161260	295180	652210	2ORDR	4e-004	3.e-007	1e-013	0.99991	0.99000
delta-BHC	7689	15066	42950	126250	203210	536130	2ORDR	2e-003	5e-007	2e-014	0.99722	0.99000
Heptachlor Epoxide	14013	27946	70812	138000	258470	570690	2ORDR	7e-005	3e-007	2e-013	0.99999	0.99000
Endosulfan I	13862	27841	68938	127580	249140	537510	2ORDR	1e-004	4e-007	2e-013	0.99993	0.99000
4,4'-DDE	8449	16720	45173	113370	192070	475090	2ORDR	8e-004	5e-007	1e-013	0.99873	0.99000
Dieldrin	11237	22635	59710	121440	237080	534740	2ORDR	8.e-004	4e-007	2e-013	0.99996	0.99000
Endrin	10209	20489	52577	105860	208990	469150	2ORDR	7e-004	4e-007	2.e-013	0.99995	0.99000
4,4'-DDD	3950	7594	21326	64570	109990	291700	2ORDR	2.e-003	9e-007	-2e-014	0.99798	0.99000
Endosulfan II	9109	17112	43424	91650	173620	398300	2ORDR	4e-004	5e-007	2e-013	0.99994	0.99000
4,4'-DDT	5991	10908	30241	75586	136620	334530	2ORDR	1e-003	7e-007	2e-013	0.99935	0.99000
Endrin Aldehyde	5030	8453	20932	42822	81658	193710	2ORDR	-3e-004	1e-006	6e-013	0.99996	0.99000
Endosulfan sulfate	3016	5982	17352	48794	84022	224950	2ORDR	2e-003	1e-006	-1e-013	0.99835	0.99000
Methoxychlor	2943	5747	15173	37969	63348	153180	2ORDR	7e-004	1e-006	1e-012	0.99863	0.99000
Toxaphene	3150	7713	13374	24661	55846	108810	2ORDR	-1e-002	4e-005	8e-011	0.99970	0.99000
(2)	3436	8813	15682	30727	71933	147490	2ORDR	1e-002	3e-005	3e-011	0.99960	0.99000
(3)	3395	8813	16049	32132	76028	156060	2ORDR	2e-002	3e-005	2e-011	0.99960	0.99000
(4)	4480	11396	21379	42949	101320	207180	2ORDR	2e-002	2e-005	1e-011	0.99961	0.99000
(5)	4271	11168	21476	44278	110810	226760	2ORDR	4e-002	2.e-005	8e-012	0.99974	0.99000
(6)	3372	8897	17058	35239	87503	184570	2ORDR	5e-002	3e-005	1e-011	0.99953	0.99000
(7)	5031	13697	27209	55550	135620	275230	2ORDR	4e-002	2e-005	7e-012	0.99972	0.99000
(8)	2383	6730	13489	29269	77111	165600	2ORDR	7e-002	3e-005	8e-012	0.99946	0.99000
(9)	2586	6794	13814	29085	75649	163080	2ORDR	7e-002	3e-005	1.e-011	0.99937	0.99000
(10)	3403	8855	16219	32164	77618	158410	2ORDR	2e-002	3e-005	2.e-011	0.99968	0.99000
alpha-Chlordane	13743	27687	67343	132840	247630	552150	2ORDR	-1e-004	4e-007	2e-013	0.99998	0.99000
gamma-Chlordane	14057	27885	69749	139140	259490	587290	2ORDR	-4e-005	3e-007	1e-013	0.99997	0.99000
Endrin Ketone	6339	11978	32369	78618	131600	313100	2ORDR	7e-004	7e-007	4e-013	0.99879	0.99000
Tetrachloro-m-Xylene	12550	23031	55104	117610	192470	439140	2ORDR	-9e-004	4e-007	3e-013	0.99893	0.99000
Decachlorobiphenyl	12007	22821	52288	94152	171670	370260	2ORDR	-1e-003	5.e-007	5e-013	0.99990	0.99000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/11/03

Column: RTX-CLPII ID: 0.53 (mm) Calibration Time(s): 1140 1829

LAB FILE ID: RF0.005: 8TB4179 RF0.01: 8TB4180 RF0.025: 8TB4181
RF0.05: 8TB4178 RF0.1: 8TB4182 RF0.25: 8TB4183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
alpha-BHC	11392	22843	60536	140220	247620	581700	2ORDR	7e-004	4e-007	1e-013	0.99946	0.99000
gamma BHC	11433	22173	57637	126540	228850	535630	2ORDR	4e-004	4.e-007	1e-013	0.99972	0.99000
Heptachlor	9438	18789	48419	96189	186280	421440	2ORDR	4.e-004	5e-007	2e-013	0.99999	0.99000
beta-BHC	6464	11556	30010	58619	111010	258030	2ORDR	-3e-004	8e-007	5.e-013	0.99997	0.99000
Aldrin	9286	18181	47459	95009	189460	438690	2ORDR	6e-004	5.e-007	2e-013	0.99997	0.99000
delta-BHC	8356	16681	45160	111590	201150	473060	2ORDR	1e-003	5e-007	2e-013	0.99943	0.99000
Heptachlor Epoxide	8376	16285	39993	77968	152100	343030	2ORDR	9e-005	6.e-007	4e-013	0.99999	0.99000
Endosulfan I	6856	13284	33982	63799	129280	293780	2ORDR	3e-004	7e-007	4e-013	0.99990	0.99000
4,4'-DDE	6819	13327	34542	66775	136610	317120	2ORDR	5e-004	7.e-007	3e-013	0.99991	0.99000
Dieldrin	6461	12945	33473	66742	138400	313590	2ORDR	1e-003	7e-007	4e-013	0.99979	0.99000
Endrin	6446	12371	31551	62446	126630	292740	2ORDR	6e-004	7e-007	3e-013	0.99993	0.99000
4,4'-DDD	4651	9497	25775	53175	109110	267310	2ORDR	1e-003	9.e-007	1e-013	0.99994	0.99000
Endosulfan II	6594	12942	32392	64052	125270	285370	2ORDR	3e-004	7e-007	5e-013	0.99999	0.99000
4,4'-DDT	5307	10838	29071	60250	121700	292530	2ORDR	9e-004	8.e-007	2e-013	0.99995	0.99000
Endrin Aldehyde	5931	10943	26840	52669	101880	231360	2ORDR	-8e-005	9e-007	7e-013	1.00000	0.99000
Endosulfan sulfate	4475	8404	21718	53136	90844	224200	2ORDR	5e-004	1.e-006	4e-013	0.99892	0.99000
Methoxychlor	3478	6927	17372	34057	67554	154130	2ORDR	3e-004	1e-006	2e-012	0.99997	0.99000
Toxaphene	224	1073	1325	2437	7050	15791	2ORDR	7e-002	3e-004	9e-010	0.99843	0.99000
(2)	274	909	1247	2258	7342	16848	2ORDR	0.11460	3e-004	1e-009	0.99762	0.99000
(3)	546	1387	2487	5534	17162	41475	2ORDR	0.13852	1e-004	-6e-011	0.99803	0.99000
(4)	1053	2668	4818	10314	28296	63486	2ORDR	9e-002	8e-005	4e-011	0.99889	0.99000
(5)	309	672	952	2569	9527	24224	2ORDR	0.19951	2e-004	-2e-010	0.99658	0.99000
(6)	4270	10272	19693	39188	95346	192430	2ORDR	3e-002	2e-005	2e-011	0.99962	0.99000
(7)	2688	7261	14460	29470	77660	162180	2ORDR	6e-002	3e-005	1e-011	0.99954	0.99000
(8)	1310	3603	7162	14480	41596	92336	2ORDR	1e-001	5e-005	2e-011	0.99894	0.99000
(9)	800	2201	4249	9191	27976	66499	2ORDR	0.12739	8e-005	-3e-011	0.99844	0.99000
(10)	1640	4464	9016	18863	53543	118270	2ORDR	9e-002	4e-005	6e-012	0.99920	0.99000
alpha-Chlordane	7533	14661	37006	69471	140610	324070	2ORDR	9e-005	7e-007	3.e-013	0.99993	0.99000
gamma-Chlordane	7951	15471	39213	74613	149930	348850	2ORDR	8e-005	6e-007	2e-013	0.99996	0.99000
Endrin Ketone	5512	10505	27315	64932	111330	261740	2ORDR	6e-004	8.e-007	6e-013	0.99916	0.99000
Tetrachloro-m-Xylene	9663	18671	44201	94533	156010	358430	2ORDR	-8e-004	6e-007	4.e-013	0.99900	0.99000
Decachlorobiphenyl	8254	16455	39783	71269	134800	304330	2ORDR	-1e-003	7e-007	5e-013	0.99990	0.99000

FORM VI SV

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

GC Column: RTX-CLPI ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/11/03

Client Sample ID (PEM): EVAL Date Analyzed :06/11/03
Lab Sample ID (PEM): EVAL Time Analyzed :1155

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	8TF1133.d	2.04	0.77

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

GC Column: RTX-CLPII ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/11/03

Client Sample ID (PEM): EVAL Date Analyzed :06/11/03
Lab Sample ID (PEM): EVAL Time Analyzed :1155

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	8TF2133.d	1.89	1.21

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC08 Calibration Date: 06/11/03 Time: 1856

Lab File ID: 8TF1140 Init. Calib. Date(s): 02/26/03 06/11/03

Init. Calib. Times: 1140 1829

GC Column: RTX-CLPI ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Endosulfan I	5.19e-002	5.e-002	2719200.0	0.01	3.80	15.00	2RDR	
gamma BHC	4.84e-002	5.e-002	2840500.0	0.01	-3.20	15.00	2RDR	
beta-BHC	4.84e-002	5.e-002	1322000.0	0.01	-3.20	15.00	2RDR	
delta-BHC	4.62e-002	5.e-002	1962200.0	0.01	-7.60	15.00	2RDR	
Heptachlor	5.07e-002	5.e-002	3220700.0	0.01	1.40	15.00	2RDR	
Aldrin	4.98e-002	5.e-002	3123100.0	0.01	-0.40	15.00	2RDR	
Heptachlor Epoxide	5.16e-002	5.e-002	2817600.0	0.01	3.20	15.00	2RDR	
gamma-Chlordane	5.07e-002	5.e-002	2766300.0	0.01	1.40	15.00	2RDR	
alpha-Chlordane	5.02e-002	5.e-002	2629300.0	0.01	0.40	15.00	2RDR	
4,4'-DDE	4.74e-002	5.e-002	1910800.0	0.01	-5.20	15.00	2RDR	
alpha-BHC	4.81e-002	5.e-002	2901900.0	0.01	-3.80	15.00	2RDR	
Dieldrin	5.e-002	5.e-002	2441600.0	0.01	0.00	15.00	2RDR	
Endrin	5.24e-002	5.e-002	2249800.0	0.01	4.80	15.00	2RDR	
4,4'-DDD	4.23e-002	5.e-002	939480.00	0.01	-15.40	15.00	2RDR	<-
Endosulfan II	4.94e-002	5.e-002	1775200.0	0.01	-1.20	15.00	2RDR	
4,4'-DDT	4.74e-002	5.e-002	1322700.0	0.01	-5.20	15.00	2RDR	
Endrin Aldehyde	4.93e-002	5.e-002	828640.00	0.01	-1.40	15.00	2RDR	
Methoxychlor	4.61e-002	5.e-002	621280.00	0.01	-7.80	15.00	2RDR	
Endosulfan sulfate	4.55e-002	5.e-002	774300.00	0.01	-9.00	15.00	2RDR	
Endrin Ketone	4.9e-002	5.e-002	1377500.0	0.01	-2.00	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC08 Calibration Date: 06/11/03 Time: 1856

Lab File ID: 8TF2140 Init. Calib. Date(s): 02/26/03 06/11/03

Init. Calib. Times: 1140 1829

GC Column: RTX-CLPII ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4,4'-DDE	5.12e-002	5.e-002	1412700.0	0.01	2.40	15.00	2RDR
gamma BHC	5.1e-002	5.e-002	2440400.0	0.01	2.00	15.00	2RDR
beta-BHC	5.33e-002	5.e-002	1227000.0	0.01	6.60	15.00	2RDR
delta-BHC	4.84e-002	5.e-002	2013500.0	0.01	-3.20	15.00	2RDR
Heptachlor	5.06e-002	5.e-002	1949700.0	0.01	1.20	15.00	2RDR
Aldrin	5.23e-002	5.e-002	2011600.0	0.01	4.60	15.00	2RDR
Heptachlor Epoxide	5.23e-002	5.e-002	1646900.0	0.01	4.60	15.00	2RDR
gamma-Chlordane	5.2e-002	5.e-002	1587700.0	0.01	4.00	15.00	2RDR
alpha-Chlordane	5.22e-002	5.e-002	1494600.0	0.01	4.40	15.00	2RDR
Endosulfan I	5.17e-002	5.e-002	1366000.0	0.01	3.40	15.00	2RDR
alpha-BHC	4.99e-002	5.e-002	2593700.0	0.01	-0.20	15.00	2RDR
Dieldrin	5.01e-002	5.e-002	1396300.0	0.01	0.20	15.00	2RDR
Endrin	5.48e-002	5.e-002	1402100.0	0.01	9.60	15.00	2RDR
4,4'-DDD	5.06e-002	5.e-002	1092200.0	0.01	1.20	15.00	2RDR
Endosulfan II	5.11e-002	5.e-002	1318500.0	0.01	2.20	15.00	2RDR
4,4'-DDT	5.09e-002	5.e-002	1236700.0	0.01	1.80	15.00	2RDR
Endrin Aldehyde	4.96e-002	5.e-002	1049100.0	0.01	-0.80	15.00	2RDR
Endosulfan sulfate	4.81e-002	5.e-002	917520.00	0.01	-3.80	15.00	2RDR
Methoxychlor	5.11e-002	5.e-002	706800.00	0.01	2.20	15.00	2RDR
Endrin Ketone	4.92e-002	5.e-002	1163400.0	0.01	-1.60	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC08 Calibration Date: 06/11/03 Time: 2259

Lab File ID: 8TF1149 Init. Calib. Date(s): 02/26/03 06/11/03

Init. Calib. Times: 1140 1829

GC Column: RTX-CLPI ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	4.97e-002	5.e-002	2999700.0	0.01	-0.60	15.00	2RDR	
gamma BHC	4.81e-002	5.e-002	2824800.0	0.01	-3.80	15.00	2RDR	
Heptachlor	5.15e-002	5.e-002	3268000.0	0.01	3.00	15.00	2RDR	
beta-BHC	4.7e-002	5.e-002	1284300.0	0.01	-6.00	15.00	2RDR	
Aldrin	4.92e-002	5.e-002	3086800.0	0.01	-1.60	15.00	2RDR	
delta-BHC	4.24e-002	5.e-002	1797300.0	0.01	-15.20	15.00	2RDR	<-
Heptachlor Epoxide	5.05e-002	5.e-002	2763300.0	0.01	1.00	15.00	2RDR	
Endosulfan I	5.37e-002	5.e-002	2807200.0	0.01	7.40	15.00	2RDR	
4,4'-DDE	4.52e-002	5.e-002	1822400.0	0.01	-9.60	15.00	2RDR	
Dieldrin	4.94e-002	5.e-002	2412200.0	0.01	-1.20	15.00	2RDR	
Endrin	4.93e-002	5.e-002	2117700.0	0.01	-1.40	15.00	2RDR	
4,4'-DDD	3.78e-002	5.e-002	834160.00	0.01	-24.40	15.00	2RDR	<-
Endosulfan II	4.95e-002	5.e-002	1779900.0	0.01	-1.00	15.00	2RDR	
4,4'-DDT	4.43e-002	5.e-002	1235000.0	0.01	-11.40	15.00	2RDR	
Endrin Aldehyde	4.98e-002	5.e-002	836800.00	0.01	-0.40	15.00	2RDR	
Endosulfan sulfate	4.48e-002	5.e-002	761340.00	0.01	-10.40	15.00	2RDR	
Methoxychlor	4.17e-002	5.e-002	562760.00	0.01	-16.60	15.00	2RDR	<-
alpha-Chlordane	4.93e-002	5.e-002	2585200.0	0.01	-1.40	15.00	2RDR	
gamma-Chlordane	4.98e-002	5.e-002	2716600.0	0.01	-0.40	15.00	2RDR	
Endrin Ketone	4.76e-002	5.e-002	1340100.0	0.01	-4.80	15.00	2RDR	
Tetrachloro-m-Xylene	4.83e-002	5.e-002	2064300.0	0.01	-3.40	15.00	2RDR	
Decachlorobiphenyl	4.93e-002	5.e-002	1848300.0	0.01	-1.40	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC08 Calibration Date: 06/11/03 Time: 2259

Lab File ID: 8TF2149 Init. Calib. Date(s): 02/26/03 06/11/03

Init. Calib. Times: 1140 1829

GC Column: RTX-CLPII ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.2e-002	5.e-002	2700100.0	0.01	4.00	15.00	2RDR
gamma BHC	5.29e-002	5.e-002	2530100.0	0.01	5.80	15.00	2RDR
Heptachlor	4.79e-002	5.e-002	1848400.0	0.01	-4.20	15.00	2RDR
beta-BHC	5.27e-002	5.e-002	1214800.0	0.01	5.40	15.00	2RDR
Aldrin	5.26e-002	5.e-002	2024300.0	0.01	5.20	15.00	2RDR
delta-BHC	4.86e-002	5.e-002	2021000.0	0.01	-2.80	15.00	2RDR
Heptachlor Epoxide	5.23e-002	5.e-002	1646400.0	0.01	4.60	15.00	2RDR
Endosulfan I	5.21e-002	5.e-002	1376100.0	0.01	4.20	15.00	2RDR
4,4'-DDE	5.14e-002	5.e-002	1416400.0	0.01	2.80	15.00	2RDR
Dieldrin	5.01e-002	5.e-002	1397100.0	0.01	0.20	15.00	2RDR
Endrin	5.16e-002	5.e-002	1321100.0	0.01	3.20	15.00	2RDR
4,4'-DDD	5.04e-002	5.e-002	1086800.0	0.01	0.80	15.00	2RDR
Endosulfan II	5.12e-002	5.e-002	1321500.0	0.01	2.40	15.00	2RDR
4,4'-DDT	5.12e-002	5.e-002	1244600.0	0.01	2.40	15.00	2RDR
Endrin Aldehyde	4.99e-002	5.e-002	1054900.0	0.01	-0.20	15.00	2RDR
Endosulfan sulfate	4.8e-002	5.e-002	915140.00	0.01	-4.00	15.00	2RDR
Methoxychlor	5.06e-002	5.e-002	700640.00	0.01	1.20	15.00	2RDR
alpha-Chlordane	5.27e-002	5.e-002	1508900.0	0.01	5.40	15.00	2RDR
gamma-Chlordane	5.24e-002	5.e-002	1598700.0	0.01	4.80	15.00	2RDR
Endrin Ketone	4.67e-002	5.e-002	1106100.0	0.01	-6.60	15.00	2RDR
Tetrachloro-m-Xylene	5.19e-002	5.e-002	1778200.0	0.01	3.80	15.00	2RDR
Decachlorobiphenyl	5.48e-002	5.e-002	1556300.0	0.01	9.60	15.00	2RDR

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/27/03
Analysis Date: 06/11/03
Report Date: 06/18/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2399-1
Client ID: WG2399-Blank
SDG: CTO287-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2399
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.025
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.022
76-44-8	Heptachlor	U	0.050	1.0	0.050	0.050	0.024
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.042
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.022
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.029
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.023
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.018
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.028
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.017
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.018
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.028
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.016
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.030
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.021
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.023
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.045
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.92
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.019
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.019
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.020
877-09-8	Tetrachloro-m-Xylene		* 34%				
2051-24-3	Decachlorobiphenyl		37%				

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

GC Column(1): RTX-CLPI ID: 0.53 (mm) GC Column(2): RTX-CLPII 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	WG2399-BLANK	WG2399-1	32*	34*	35	37			2
02	WG2399-LCS	WG2399-2	71	79	95	100			0
03	WG2399-LCSD	WG2399-3	23*	26*	22	23			2
04	13GLM18S02	WT1233-1	25*	28*	20	21			2
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 (40- 93)
S2 (DCB) = Decachlorobiphenyl (16-134)

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

FORM II PEST-1

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/27/03
Analysis Date: 06/11/03
Report Date: 06/18/2003
Matrix: WATER

Lab ID: WG2399-2 & WG2399-3
Client ID: WG2399-LCS & WG2399-LCSD
SDG: CTO287-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2399
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.		LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
alpha-BHC	0.50	0.50	NA	0.48	0.13	95	*	25	*	120	30	52-118
gamma BHC	0.50	0.50	NA	0.50	0.13	100	*	26	*	120	30	57-123
Heptachlor	0.50	0.50	NA	0.46	0.13	92	*	25	*	110	30	40-139
beta-BHC	0.50	0.50	NA	0.52	0.14	105	*	28	*	120	30	59-136
Aldrin	0.50	0.50	NA	0.49	0.13	98	*	27	*	110	30	54-116
delta-BHC	0.50	0.50	NA	0.52	0.12	104	*	25	*	120	30	77-127
Heptachlor Epoxide	0.50	0.50	NA	0.53	0.14	106	*	28	*	120	30	70-126
Endosulfan I	0.50	0.50	NA	0.48	0.13	95	*	26	*	110	30	65-127
4,4'-DDE	0.50	0.50	NA	0.52	0.13	104	*	27	*	120	30	69-124
Dieldrin	0.50	0.50	NA	0.52	0.13	103	*	26	*	120	30	76-127
Endrin	0.50	0.50	NA	0.58	0.14	116	*	29	*	120	30	84-132
4,4'-DDD	0.50	0.50	NA	0.54	0.13	109	*	25	*	120	30	83-123
Endosulfan II	0.50	0.50	NA	0.54	0.13	107	*	26	*	120	30	79-129
4,4'-DDT	0.50	0.50	NA	0.52	0.13	104	*	25	*	120	30	86-124
Endrin Aldehyde	0.50	0.50	NA	0.54	0.13	107	*	26	*	120	30	88-136
Endosulfan sulfate	0.50	0.50	NA	0.54	0.12	108	*	24	*	130	30	90-129
Methoxychlor	0.50	0.50	NA	0.55	0.13	110	*	27	*	120	30	76-168
alpha-Chlordane	0.50	0.50	NA	0.52	0.14	104	*	28	*	120	30	64-128
gamma-Chlordane	0.50	0.50	NA	0.53	0.14	106	*	27	*	120	30	64-125
Endrin Ketone	0.50	0.50	NA	0.58	0.13	116	*	26	*	130	30	87-132

FORM III PEST-1

8TF1144.d & 8TF1145.d

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

GC Column: ZB-5 ID: 0.53 (mm) Init. Calib. Date(s): 05/10/03 05/10/03

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.47 DCB: 19.79

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	05/10/03	1007	6.47	19.79
02	ICAL	AR1660 0.05P	05/10/03	1036	6.47	19.79
03	ICAL	AR1660 0.1PP	05/10/03	1104	6.47	19.79
04	ICAL	AR1660 0.25P	05/10/03	1132	6.47	19.79
05	ICAL	AR1660 2.5PP	05/10/03	1201	6.47	19.79
06	ICAL	AR1660 10PPM	05/10/03	1229	6.47	19.79
07	IND SOURCE	AR1016 1.0PP	05/10/03	1258		
08	IND SOURCE	AR1260 1.0PP	05/10/03	1326		
09	ICAL	AR1242 1.0PP	05/10/03	1355		
10	ICAL	AR1248 1.0PP	05/10/03	1645		
11	ICAL	AR1254 1.0PP	05/10/03	1936		
12	AR1254 TYPE	AR1254 TYPE	05/10/03	2226		
13	ICAL	AR1221 1.0PP	05/10/03	2254		
14	ICAL	AR1232 1.0PP	05/10/03	2323		
15	CV	AR1660 1.0PP	06/11/03	1350	6.45	19.76
16	WG2400-BLANK	WG2400-2	06/11/03	1824	6.48	19.78
17	WG2400-LCS	WG2400-1	06/11/03	1853	6.46	19.77
18	WG2400-LCSD	WG2400-3	06/11/03	1921	6.45	19.76
19	13GLM18S02	WT1233-1	06/11/03	2115	6.45	19.76
20	CV	AR1660 1.0PP	06/12/03	0159	6.45	19.76

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: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

GC Column: ZB-35 ID: 0.53 (mm) Init. Calib. Date(s): 05/10/03 05/10/03

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.09 DCB: 17.01

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	05/10/03	1007	4.07	17.01
02	ICAL	AR1660 0.05P	05/10/03	1036	4.08	17.02
03	ICAL	AR1660 0.1PP	05/10/03	1104	4.07	17.02
04	ICAL	AR1660 0.25P	05/10/03	1132	4.07	17.02
05	ICAL	AR1660 2.5PP	05/10/03	1201	4.07	17.01
06	ICAL	AR1660 10PPM	05/10/03	1229	4.07	17.01
07	IND SOURCE	AR1016 1.0PP	05/10/03	1258		
08	IND SOURCE	AR1260 1.0PP	05/10/03	1326		
09	ICAL	AR1242 1.0PP	05/10/03	1355		
10	ICAL	AR1248 1.0PP	05/10/03	1645		
11	ICAL	AR1254 1.0PP	05/10/03	1936		
12	AR1254 TYPE	AR1254 TYPE	05/10/03	2226		
13	ICAL	AR1221 1.0PP	05/10/03	2254		
14	ICAL	AR1232 1.0PP	05/10/03	2323		
15	CV	AR1660 1.0PP	06/11/03	1350	4.07	16.96
16	WG2400-BLANK	WG2400-2	06/11/03	1824	4.07	16.97
17	WG2400-LCS	WG2400-1	06/11/03	1853	4.07	16.97
18	WG2400-LCSD	WG2400-3	06/11/03	1921	4.07	16.96
19	13GLM18S02	WT1233-1	06/11/03	2115	4.06	16.96
20	CV	AR1660 1.0PP	06/12/03	0159	4.06	16.96

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 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC06 Calibration Date(s): 05/10/03 05/10/03

Column: ZB-5 ID: 0.53 (mm) Calibration Time(s): 1007 2158

LAB FILE ID: RF0.05: 6TE1123 RF0.1: 6TE1124 RF0.25: 6TE1125
RF1: 6TE1122 RF2.5: 6TE1126 RF10: 6TE1127

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	872	1742	4006	14841	30908	104070	2ORDR	-3e-002	7e-005	2e-010	0.99981	0.99000	
(2)	1476	2889	6375	22313	45496	146800	2ORDR	-4e-002	5e-005	1e-010	0.99978	0.99000	
(3)	2030	4109	9671	39992	86436	302780	2ORDR	-2e-002	3e-005	2e-011	0.99987	0.99000	
(4)	658	1348	3196	13981	31623	115780	2ORDR	-6e-003	8e-005	1e-010	0.99993	0.99000	
(5)	768	1551	3687	14500	31687	111700	2ORDR	-2e-002	7e-005	1e-010	0.99989	0.99000	
Aroclor-1221							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
Aroclor-1232							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
(5)							2ORDR					0.00000	<-
Aroclor-1242	692	1340	3269	12596	25887	88241	2ORDR	-3e-002	9e-005	3.e-010	0.99975	0.99000	
(2)	1134	2146	4952	18392	36380	120020	2ORDR	-4e-002	6.e-005	2e-010	0.99964	0.99000	
(3)	838	1626	3926	15754	32103	111380	2ORDR	-3e-002	7e-005	2e-010	0.99970	0.99000	
(4)	1489	2917	7284	31162	66776	245460	2ORDR	-2e-002	4e-005	2e-011	0.99981	0.99000	
(5)	912	1774	4334	18011	37893	135400	2ORDR	-2e-002	6e-005	9e-011	0.99978	0.99000	
Aroclor-1248	673	1220	2757	9655	20408	65906	2ORDR	-4e-002	1e-004	7e-010	0.99988	0.99000	
(2)	1170	2011	4640	18223	41858	149650	2ORDR	-2e-002	6e-005	7e-011	0.99997	0.99000	
(3)	1235	2189	5050	19576	43777	150960	2ORDR	-2e-002	5e-005	9e-011	0.99995	0.99000	
(4)	997	1731	3927	13781	29212	94641	2ORDR	-4e-002	8e-005	3e-010	0.99989	0.99000	
(5)	797	1378	3160	12337	28068	100760	2ORDR	-2e-002	8e-005	1e-010	0.99996	0.99000	
Aroclor-1254	492	963	2244	8758	18909	64813	2ORDR	-2e-002	1e-004	5e-010	0.99989	0.99000	
(2)	2247	4174	9194	33676	71113	241280	2ORDR	-4e-002	3e-005	4e-011	0.99984	0.99000	
(3)	2014	3853	8961	35917	78922	278170	2ORDR	-2e-002	3.e-005	2e-011	0.99991	0.99000	
(4)	1580	2989	6975	28041	61473	220880	2ORDR	-2e-002	4e-005	3e-011	0.99989	0.99000	
(5)	449	823	2012	8692	19896	73810	2ORDR	-7e-003	1e-004	2.e-010	0.99995	0.99000	
Aroclor-1260	1946	3759	8336	29449	62288	213370	2ORDR	-4e-002	4e-005	5e-011	0.99983	0.99000	
(2)	1986	3933	8846	32573	70019	244790	2ORDR	-3e-002	3e-005	3e-011	0.99986	0.99000	
(3)	1917	3906	9167	36017	79338	284900	2ORDR	-2e-002	3.e-005	2e-011	0.99990	0.99000	
(4)	1106	2327	5615	23402	52466	195080	2ORDR	-1e-002	5e-005	3e-011	0.99991	0.99000	
(5)	547	1179	2870	11700	26364	96985	2ORDR	-1e-002	9e-005	1e-010	0.99993	0.99000	
Tetrachloro-m-xylene	779	1565	3789	16622	38895	144070	2ORDR	-1e-005	1e-006	1e-012	0.99997	0.99000	
Decachlorobiphenyl	664	1364	3268	12292	26489	88652	2ORDR	-4e-004	2e-006	6e-012	0.99990	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC06 Calibration Date(s): 05/10/03 05/10/03

Column: ZB-35 ID: 0.53 (mm) Calibration Time(s): 1007 2158

LAB FILE ID: RF0.05: 6TE2123 RF0.1: 6TE2124 RF0.25: 6TE2125
RF1: 6TE2122 RF2.5: 6TE2126 RF10: 6TE2127

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	1713	3485	7649	27528	55331	175750	2ORDR	-4e-002	4e-005	1.e-010	0.99976	0.99000	
(2)	3752	7209	15439	53474	105790	331970	2ORDR	-5e-002	2.e-005	3e-011	0.99972	0.99000	
(3)	4752	9771	22334	84885	180200	617470	2ORDR	-3e-002	1e-005	6e-012	0.99984	0.99000	
(4)	2320	4510	9786	35514	75489	255870	2ORDR	-4e-002	3.e-005	3e-011	0.99986	0.99000	
(5)	2455	4752	10269	35253	70875	226930	2ORDR	-5e-002	3e-005	6.e-011	0.99974	0.99000	
Aroclor-1221							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
Aroclor-1232							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
(5)							2ORDR					0.00000	<-
Aroclor-1242	1402	2666	6370	23186	46793	150280	2ORDR	-3e-002	5e-005	1e-010	0.99976	0.99000	
(2)	2926	5439	12406	43505	85885	271050	2ORDR	-4e-002	2e-005	5e-011	0.99970	0.99000	
(3)	1136	2207	5272	19503	38894	124420	2ORDR	-3e-002	6e-005	2.e-010	0.99972	0.99000	
(4)	3515	6758	16827	67697	142220	497200	2ORDR	-2e-002	2e-005	8.e-012	0.99979	0.99000	
(5)	1822	3166	7444	28778	59861	206650	2ORDR	-3e-002	4e-005	5.e-011	0.99978	0.99000	
Aroclor-1248	1627	2783	6368	21621	44797	137210	2ORDR	-4e-002	5e-005	2e-010	0.99989	0.99000	
(2)	2985	4808	10703	40626	90043	309430	2ORDR	-3e-002	3e-005	2e-011	0.99994	0.99000	
(3)	3355	5630	12179	41332	86185	272200	2ORDR	-4e-002	3e-005	4e-011	0.99987	0.99000	
(4)	3262	5445	12059	42671	90930	293160	2ORDR	-4e-002	2e-005	3e-011	0.99991	0.99000	
(5)	2140	3742	8423	30902	67135	223240	2ORDR	-3e-002	3e-005	5.e-011	0.99992	0.99000	
Aroclor-1254	1042	2001	4547	17241	36369	120630	2ORDR	-3e-002	6e-005	2e-010	0.99986	0.99000	
(2)	3093	5662	12178	43727	89777	291460	2ORDR	-4e-002	2e-005	3e-011	0.99980	0.99000	
(3)	3496	6424	14099	51254	107450	357380	2ORDR	-4e-002	2e-005	2.e-011	0.99984	0.99000	
(4)	3972	7274	16152	61018	129460	449510	2ORDR	-3e-002	2e-005	1e-011	0.99984	0.99000	
(5)	3259	6129	13876	53834	115550	402710	2ORDR	-3e-002	2.e-005	1e-011	0.99986	0.99000	
Aroclor-1260	4191	7973	17250	59581	125150	418550	2ORDR	-4e-002	2e-005	1e-011	0.99983	0.99000	
(2)	4399	8574	18827	66915	142330	487130	2ORDR	-4e-002	2e-005	9e-012	0.99985	0.99000	
(3)	3217	6311	14200	50323	108600	376610	2ORDR	-4e-002	2e-005	1e-011	0.99987	0.99000	
(4)	5269	10800	24688	92997	204530	746750	2ORDR	-3e-002	1e-005	2e-012	0.99989	0.99000	
(5)	1364	2756	6428	24536	53387	190380	2ORDR	-3e-002	4e-005	5e-011	0.99988	0.99000	
Tetrachloro-m-xylene	1889	3901	9161	36917	81444	284040	2ORDR	-3e-004	6e-007	5e-013	0.99992	0.99000	
Decachlorobiphenyl	1525	3030	6722	23377	48340	160170	2ORDR	-8e-004	9e-007	2.e-012	0.99980	0.99000	

FORM VI SV

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1258

Lab File ID: 6TE1108 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0586000	1.0000000	14311.000	0.01	5.86	15.00	2RDR
(2)	1.0096000	1.0000000	20556.000	0.01	0.96	15.00	2RDR
(3)	0.9667500	1.0000000	35651.000	0.01	-3.32	15.00	2RDR
(4)	0.9604000	1.0000000	12617.000	0.01	-3.96	15.00	2RDR
(5)	1.0964000	1.0000000	14699.000	0.01	9.64	15.00	2RDR
Average %D: 1.8300							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1258

Lab File ID: 6TE2108 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0610000	1.0000000	26424.000	0.01	6.10	15.00	2RDR
(2)	1.0129000	1.0000000	49020.000	0.01	1.29	15.00	2RDR
(3)	0.9724500	1.0000000	76176.000	0.01	-2.76	15.00	2RDR
(4)	0.9739000	1.0000000	32153.000	0.01	-2.61	15.00	2RDR
(5)	0.9652500	1.0000000	31099.000	0.01	-3.48	15.00	2RDR
Average %D: -0.290							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1326

Lab File ID: 6TE1109 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0376000	1.0000000	28010.000	0.01	3.76	15.00	2RDR	
(2)	1.0262000	1.0000000	30835.000	0.01	2.62	15.00	2RDR	
(3)	0.9190100	1.0000000	30826.000	0.01	-8.10	15.00	2RDR	
(4)	1.0818000	1.0000000	23539.000	0.01	8.18	15.00	2RDR	
(5)	1.2308000	1.0000000	13383.000	0.01	23.08	15.00	2RDR	<-
Average %D: 5.9100								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1326

Lab File ID: 6TE2109 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0188000	1.0000000	56145.000	0.01	1.88	15.00	2RDR	
(2)	1.0156000	1.0000000	62938.000	0.01	1.56	15.00	2RDR	
(3)	1.1680000	1.0000000	54310.000	0.01	16.80	15.00	2RDR	<-
(4)	1.1902000	1.0000000	102340.00	0.01	19.02	15.00	2RDR	<-
(5)	1.2546000	1.0000000	28262.000	0.01	25.46	15.00	2RDR	<-
Average %D: 12.940								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC06 Calibration Date: 06/11/03 Time: 1350

Lab File ID: 6TF1085 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.9150600	1.0000000	12496.000	0.01	-8.49	15.00	2RDR
(2)	0.9692500	1.0000000	19855.000	0.01	-3.08	15.00	2RDR
(3)	0.9416600	1.0000000	34862.000	0.01	-5.83	15.00	2RDR
(4)	0.9354700	1.0000000	12331.000	0.01	-6.45	15.00	2RDR
(5)	1.0039000	1.0000000	13553.000	0.01	0.39	15.00	2RDR
Average %D: -4.690							
Aroclor-1260	1.0461000	1.0000000	28362.000	0.01	4.61	15.00	2RDR
(2)	1.0445000	1.0000000	31452.000	0.01	4.45	15.00	2RDR
(3)	1.0360000	1.0000000	34761.000	0.01	3.60	15.00	2RDR
(4)	1.0343000	1.0000000	22604.000	0.01	3.43	15.00	2RDR
(5)	1.0319000	1.0000000	11346.000	0.01	3.19	15.00	2RDR
Average %D: 3.8600							
Tetrachloro-m-xylene	1.88e-002	2.e-002	753050.00	0.01	-6.00	15.00	2RDR
Decachlorobiphenyl	2.11e-002	2.e-002	604400.00	0.01	5.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC06 Calibration Date: 06/11/03 Time: 1350

Lab File ID: 6TF2085 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8645200	1.0000000	21938.000	0.01	-13.55	15.00	2RDR
(2)	0.9335600	1.0000000	45563.000	0.01	-6.64	15.00	2RDR
(3)	0.8841800	1.0000000	69638.000	0.01	-11.58	15.00	2RDR
(4)	0.9136900	1.0000000	30292.000	0.01	-8.63	15.00	2RDR
(5)	0.9676400	1.0000000	31162.000	0.01	-3.24	15.00	2RDR
Average %D: -8.730							
Aroclor-1260	0.9702600	1.0000000	53674.000	0.01	-2.97	15.00	2RDR
(2)	0.9584200	1.0000000	59623.000	0.01	-4.16	15.00	2RDR
(3)	0.9819900	1.0000000	46156.000	0.01	-1.80	15.00	2RDR
(4)	0.9816700	1.0000000	85105.000	0.01	-1.83	15.00	2RDR
(5)	1.0614000	1.0000000	24099.000	0.01	6.14	15.00	2RDR
Average %D: -0.930							
Tetrachloro-m-xylene	1.78e-002	2.e-002	1552100.0	0.01	-11.00	15.00	2RDR
Decachlorobiphenyl	2.18e-002	2.e-002	1162000.0	0.01	9.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC06 Calibration Date: 06/12/03 Time: 0159

Lab File ID: 6TF1105 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8944600	1.0000000	12234.000	0.01	-10.55	15.00	2RDR
(2)	0.9781000	1.0000000	20020.000	0.01	-2.19	15.00	2RDR
(3)	0.9184400	1.0000000	34039.000	0.01	-8.16	15.00	2RDR
(4)	0.9140600	1.0000000	12055.000	0.01	-8.59	15.00	2RDR
(5)	0.9931700	1.0000000	13414.000	0.01	-0.68	15.00	2RDR
Average %D: -6.040							
Aroclor-1260	1.0408000	1.0000000	28229.000	0.01	4.08	15.00	2RDR
(2)	1.0319000	1.0000000	31094.000	0.01	3.19	15.00	2RDR
(3)	1.0213000	1.0000000	34288.000	0.01	2.13	15.00	2RDR
(4)	1.0197000	1.0000000	22293.000	0.01	1.97	15.00	2RDR
(5)	1.0312000	1.0000000	11339.000	0.01	3.12	15.00	2RDR
Average %D: 2.9000							
Tetrachloro-m-xylene	1.86e-002	2.e-002	743600.00	0.01	-7.00	15.00	2RDR
Decachlorobiphenyl	2.13e-002	2.e-002	609200.00	0.01	6.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

Instrument ID: GC06 Calibration Date: 06/12/03 Time: 0159

Lab File ID: 6TF2105 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8404900	1.0000000	21384.000	0.01	-15.95	15.00	2RDR	<-
(2)	0.9211100	1.0000000	45019.000	0.01	-7.89	15.00	2RDR	
(3)	0.8639500	1.0000000	68139.000	0.01	-13.60	15.00	2RDR	
(4)	0.8924100	1.0000000	29635.000	0.01	-10.76	15.00	2RDR	
(5)	0.9558000	1.0000000	30818.000	0.01	-4.42	15.00	2RDR	
Average %D: -10.52								
Aroclor-1260	0.9597300	1.0000000	53138.000	0.01	-4.03	15.00	2RDR	
(2)	0.9489400	1.0000000	59074.000	0.01	-5.11	15.00	2RDR	
(3)	0.9652000	1.0000000	45416.000	0.01	-3.48	15.00	2RDR	
(4)	0.9678500	1.0000000	83960.000	0.01	-3.22	15.00	2RDR	
(5)	1.0490000	1.0000000	23832.000	0.01	4.90	15.00	2RDR	
Average %D: -2.180								
Tetrachloro-m-xylene	1.75e-002	2.e-002	1525200.0	0.01	-12.50	15.00	2RDR	
Decachlorobiphenyl	2.21e-002	2.e-002	1173800.0	0.01	10.50	15.00	2RDR	

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/27/03
Analysis Date: 06/11/03
Report Date: 06/17/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2400-2
Client ID: WG2400-Blank
SDG: CTO287-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2400
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	0.30
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.32
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.25
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.13
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.16
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.12
877-09-8	Tetrachloro-m-xylene		*121%				
2051-24-3	Decachlorobiphenyl		*120%				

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-4

GC Column(1): ZB-5 ID: 0.53 (mm) GC Column(2): ZB-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	WG2400-BLANK	WG2400-2	121*	110*	120*	120*			4
02	WG2400-LCS	WG2400-1	72	66	79	80			0
03	WG2400-LCSD	WG2400-3	73	66	77	78			0
04	13GLM18S02	WT1233-1	56	52	44*	44*			2
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 (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
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/27/03
Analysis Date: 06/11/03
Report Date: 06/17/2003
Matrix: WATER

Lab ID: WG2400-1 & WG2400-3
Client ID: WG2400-LCS & WG2400-LCSD
SDG: CTO287-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2400
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	5.0	5.0	NA	4.4	4.3	87	87	0.5	30	51-146
Aroclor-1260	5.0	5.0	NA	5.1	4.9	101	98	3	30	63-132

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/11Apr2003.b/38100411m5.m
Cal Date : 11-Apr-2003 15:33 atoyama
Curve Type : Average

Calibration File Names:
Level 1: /chem/gc7.i/11Apr2003.b/7041103.d
Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	___ RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742219	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620506	15.365

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i Injection Date: 30-MAY-2003 17:03
Analysis Type: AIR Init. Cal. Times: 11:42 14:02
Lab Sample ID: Quant Type: ESTD
Method: /chem/gc7.i/30May2003.b/38100411m5.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	20871969	0.100	-7.97901	30.00000	Averaged
2 Ethylene	19981673	21812242	0.010	-9.16124	30.00000	Averaged
3 Ethane	19495021	20790619	0.010	-6.64579	30.00000	Averaged

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0305459-15A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053024	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: NA - Not Applicable

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0305459-16A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053020	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	%Recovery
Methane	89
Ethane	90
Ethene	92

Container Type: NA - Not Applicable

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE ____ OF ____

CLIENT Panama City CTO-287		JOB NUMBER Job-9061 SDG-2874	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada	CHECKED BY	APPROVED BY	DATE 8/5/03

Sample 13GLM16D02 Methane = 440 ug/L

$$\text{Methane} = \frac{(8513489\ \text{area})}{\left(19329655\ \frac{\text{area}}{\text{ug/mL}}\right)} = 0.44\ \text{ug/mL} = 440\ \text{ug/L}$$

AIR TOXICS LTD.

SAMPLE NAME: 13GLM16D02

ID#: 0305459-08A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053030	Date of Collection:	5/19/03
Dil Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.44
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

Air Toxics Ltd.

3810/RSK-175 Analysis

Data file : /chem/gc7.i/30May2003.b/7053030.d
Lab Smp Id: 0305459-08A Client Smp ID: 13GLM16D02
Inj Date : 30-MAY-2003 21:19
Operator : SRS Inst ID: gc7.i
Smp Info : 0305459-08A
Misc Info :
Comment :
Method : /chem/gc7.i/30May2003.b/38100411m5.m
Meth Date : 03-Jun-2003 11:34 atoyama Quant Type: ESTD
Cal Date : 11-APR-2003 14:02 Cal File: 7041108.d
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CH4EthEth.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/mL)
1 Methane	0.442	0.441	0.001	8513489	0.44044	0.4404
2 Ethylene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/11Apr2003.b/38100411m5.m
Cal Date : 11-Apr-2003 15:33 atoyama
Curve Type : Average

Calibration File Names:
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Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	___ RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742219	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620506	15.365

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**JULY 25, 2003**
FROM:	**ERIN M. FAUST**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – METALS AND MISCELLANEOUS PARAMETERS**
CTO 287 CSS PANAMA CITY
SAMPLE DELIVERY GROUP (SDG) – 2873

SAMPLES: 21/Aqueous/

03GLM0502	13GLM03D02	13GLM04I02
13GLM04S02	13GLM05I02	13GLM06I02
13GLM06I02D	13GLM06S02	13GLM08I02
13GLM08S02	13GLM10I02	13GLM10S02
13GLM10S02D	13GLM11I02	13GLM11S02
13GLM12I02	13GLM12I02D	13GLM14I02
13GLM15I02	13GLM15S02	13RL051603

Overview

The sample set for CTO 287 CSS Panama City, SDG 2873, consists of twenty (20) aqueous environmental samples and one (1) aqueous rinsate blank, 13RL051603. Three (3) field duplicate pairs (13GLM06I02 / 13GLM06I02D, 13GLM10S02 / 13GLM10S02D and 13GLM12I02 / 13GLM12I02D) are included within this SDG.

All samples were analyzed for arsenic, calcium, magnesium, manganese, potassium, sodium, chloride, nitrate, nitrite, sulfate and total organic carbon (TOC), with the exception of samples 13GLM05I02 and 13RL051603, which were analyzed for the above metals only and sample 03GLM0502, which was analyzed for target analyte list (TAL) metals and cyanide. The samples were collected by Tetra Tech NUS on May 15 and 16, 2003 and analyzed by Katahdin Analytical Services. Metals analyses, with the exception of mercury and thallium, were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 method 7470A. Analyses for thallium were conducted using SW-846 method 6020. Cyanide analyses were conducted using SW-846 method 9012B. Analyses for nitrate and nitrite were conducted using EPA method 353.2. Analyses for chloride, sulfate and TOC were conducted using EPA methods 325.2, 375.4 and 415.1, respectively.

Metals analyses, with the exception of mercury and thallium, were conducted using Inductively Coupled Plasma (ICP) instrumentation. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA) instrumentation. Thallium analyses were conducted using Inductively Coupled Plasma Mass Spectrometer (ICP-MS) instrumentation.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Verifications
  • Laboratory Blank Analyses
* • ICP Interference Check Sample Results

- Matrix Spike Results
- * Laboratory Control Sample Results
- * Field Duplicate Results
- Sample Quantitation
- * Detection Limits

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

Laboratory Blank Analyses

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

Analyte	Maximum Concentration	Action Level
Aluminum	63.37 µg/L	316.85 µg/L
Antimony	1.87 µg/L	9.35 µg/L
Barium	0.49 µg/L	2.45 µg/L
Cadmium	3.75 µg/L	18.75 µg/L
Calcium	53.26 µg/L	266.3 µg/L
Iron	23.19 µg/L	115.95 µg/L
Lead(1)	1.1 µg/L	5.5 µg/L
Magnesium	53.69 µg/L	268.45 µg/L
Nitrate(4)	0.0073 mg/L	0.0365 mg/L
Selenium	2.76 µg/L	13.8 µg/L
Sodium(1)	28.8 µg/L	144 µg/L
Sodium(2)	31.11 µg/L	155.55 µg/L
Sodium(3)	30.91 µg/L	154.55 µg/L
Thallium(1)	0.192 µg/L	0.96 µg/L
TOC(5)	0.4367 mg/L	2.1835 mg/L
TOC(6)	0.4433 mg/L	2.2165 mg/L
Zinc(1)	1.51 µg/L	7.55 µg/L

(1) Maximum concentration present in a laboratory preparation blank, affecting preparation batch TE20ICW3.
(2) Maximum concentration present in a laboratory preparation blank, affecting preparation batch TE22ICW0.
(3) Maximum concentration present in a laboratory preparation blank, affecting preparation batch TF04ICW0.
(4) Maximum concentration present in a laboratory preparation blank, affecting preparation batch TE20WL2.
(5) Maximum concentration present in a laboratory preparation blank, affecting preparation batch TF06WL10.
(6) Maximum concentration present in a laboratory preparation blank, affecting preparation batch TF06WL11.

An action level of 5X the maximum concentration has been 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, reported for nitrate, TOC and zinc were qualified "U", due to laboratory blank contamination. No validation action was required for the remaining analytes because the results were either greater than the action level or were nondetected.

Matrix Spike Results

The Matrix Spike (MS) percent recovery for sulfate was < 75% quality control limit. Positive and nondetected results reported for sulfate were qualified as estimated, "J" and "UJ", respectively.

Sample Quantitation

The positive results that were > the laboratory method detection limit (MDL) but < the laboratory practical quantitation limit (PQL) reported by the laboratory for nitrate were qualified as estimated, "J", due to uncertainty near the detection limit.

Notes

The laboratory received a sample bottle labeled as 13GLM11S02 that was collected on 5/15/03 at 15:30. Sample 13GLM10S02 was listed twice on the chain of custody (COC) from 5/15/03 at 11:10 and 15:30. The laboratory logged the second sample as 13GLM11S02.

The laboratory received sample bottles labeled 13GLM10I02 from 5/15/03 at 12:40 and 13GLM11I02 from 5/15/03 at 14:40. Sample 13GLM10I02 was listed on the COC as being samples on 5/15/03 at 14:40. This did not agree with the sample bottle label and the laboratory logged this sample as 13GLM11I02 to match the label on the sample bottle. There was no sample listed on the COC as being collected on 5/15/03 at 12:40.

The laboratory received a sample bottle labeled as 13GLM12I02D which was not listed on the COC. The laboratory was instructed to analyze this sample for the same parameters as 13GLM12I02.

The laboratory did not perform a matrix spike, matrix spike duplicate, laboratory duplicate or ICP serial dilution for any of the metals.

The database contains results reported as nitrate and nitrite; however, the laboratory reported results for Nitrate as Nitrogen and Nitrite as Nitrogen.

The rinsate blank was not used to establish blank action levels and was not qualified due to laboratory blank contamination.

Samples 13GLM08S02, 13GLM10S02 and 13GLM10S02D were analyzed at a 2X dilution for sulfate. Sample 03GLM0502 was analyzed at a 5X dilution for thallium.

The Contract Required Detection Limit (CRDL) percent recoveries for lead on 5/27/03 at 20:07 and 23:22, selenium on 5/27/03 at 23:22, arsenic on 6/3/03 at 13:07 and 17:32, nickel on 5/24/03 at 15:38 and 21:45, cadmium on 5/24/03 at 19:01 and manganese on 6/5/03 at 16:12, 19:35 and 22:58 were > 120% quality control limit. No validation action was taken based on the CRDL percent recoveries.

The laboratory PQL percent recoveries for aluminum on 5/27/03 and calcium on 6/2/03 were < 80% quality control limit. The PQL percent recoveries for calcium on 5/27/03 and magnesium on 5/27/03 were > 120% quality control limit. No validation action was taken based on the PQL percent recoveries.

Executive Summary

Laboratory Performance: Several analytes were present in the laboratory method / preparation blanks. The laboratory did not perform a matrix spike, matrix spike duplicate, laboratory duplicate or ICP serial dilution for any of the metals.

Other Factors Affecting Data Quality: Sulfate was qualified due to MS noncompliance. Nitrate was qualified due to uncertainty near the detection limit.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", July 2002 and the NFESC document entitled "Navy IRCDQM" (September 1999).

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

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

Erin M Faust

Tetra Tech NUS
Erin M. Faust
Environmental Scientist

Edward Sedlmeyer / for

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer
Attachments:

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

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % 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 (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; i.e.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 less than sample activity

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: M

nsample	03GLM0502
samp_date	5/15/2003
lab_id	WT1148-001
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	876		
ANTIMONY	1.3	U	
ARSENIC	1.9		
BARIUM	5.5		
BERYLLIUM	0.31	U	
CADMIUM	3.7	U	
CALCIUM	11600		
CHROMIUM	1.9		
COBALT	0.44	U	
COPPER	14.2		
IRON	1420		
LEAD	0.91	U	
MAGNESIUM	2920		
MANGANESE	5.6		
MERCURY	0.05		
NICKEL	11.7	U	
POTASSIUM	1540		
SELENIUM	2.1	U	
SILVER	4.8	U	
SODIUM	7630		
THALLIUM	0.10	U	
VANADIUM	4.7	U	
ZINC	3.4	U	A

nsample	13GLM03D02
samp_date	5/15/2003
lab_id	WT1148-003
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	4840		
MAGNESIUM	2500		
MANGANESE	5.6		
POTASSIUM	2920		
SODIUM	4640		

nsample	13GLM04I02
samp_date	5/16/2003
lab_id	WT1160-014
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	11.6		
CALCIUM	5070		
MAGNESIUM	1610		
MANGANESE	10.0		
POTASSIUM	2840		
SODIUM	4410		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: M

nsample	13GLM04S02	nsample	13GLM05I02	nsample	13GLM06I02
samp_date	5/16/2003	samp_date	5/16/2003	samp_date	5/16/2003
lab_id	WT1160-012	lab_id	WT1160-011	lab_id	WT1160-018
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	2.1		
CALCIUM	19700		
MAGNESIUM	823		
MANGANESE	12.3		
POTASSIUM	1170		
SODIUM	3630		

Parameter	Result	Val Qual	Qual Code
ARSENIC	2.9		
CALCIUM	3370		
MAGNESIUM	644		
MANGANESE	6.8		
POTASSIUM	859		
SODIUM	3290		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	2020		
MAGNESIUM	1410		
MANGANESE	10.1		
POTASSIUM	2300		
SODIUM	5540		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: M

nsample	13GLM06I02D
samp_date	5/16/2003
lab_id	WT1160-020
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM06I02

Parameter	Result	Val Qual	Qual Code
ARSENIC	2.2		
CALCIUM	2150		
MAGNESIUM	1520		
MANGANESE	9.1		
POTASSIUM	1800		
SODIUM	5530		

nsample	13GLM06S02
samp_date	5/16/2003
lab_id	WT1160-017
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	3.4		
CALCIUM	8070		
MAGNESIUM	2870		
MANGANESE	4.2		
POTASSIUM	1250		
SODIUM	6030		

nsample	13GLM08I02
samp_date	5/16/2003
lab_id	WT1160-003
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	14800		
MAGNESIUM	1400		
MANGANESE	1.8		
POTASSIUM	4930		
SODIUM	5210		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: M

nsample	13GLM08S02	nsample	13GLM10I02	nsample	13GLM10S02
samp_date	5/16/2003	samp_date	5/15/2003	samp_date	5/15/2003
lab_id	WT1160-001	lab_id	WT1148-009	lab_id	WT1148-005
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	6200		
MAGNESIUM	848		
MANGANESE	2.7		
POTASSIUM	513	U	
SODIUM	6720		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	10200		
MAGNESIUM	794		
MANGANESE	5.0		
POTASSIUM	2010		
SODIUM	4610		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	12600		
MAGNESIUM	856		
MANGANESE	18.8		
POTASSIUM	1510		
SODIUM	2530		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: M

nsample	13GLM10S02D	nsample	13GLM11I02	nsample	13GLM11S02
samp_date	5/15/2003	samp_date	5/15/2003	samp_date	5/15/2003
lab_id	WT1148-007	lab_id	WT1148-013	lab_id	WT1148-011
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:	13GLM10S02	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	12700		
MAGNESIUM	868		
MANGANESE	18.4		
POTASSIUM	1230		
SODIUM	2580		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	6870		
MAGNESIUM	829		
MANGANESE	6.2		
POTASSIUM	1900		
SODIUM	5690		

Parameter	Result	Val Qual	Qual Code
ARSENIC	9.0		
CALCIUM	17800		
MAGNESIUM	1420		
MANGANESE	24.9		
POTASSIUM	2960		
SODIUM	6120		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: M

nsample	13GLM12I02
samp_date	5/16/2003
lab_id	WT1160-025
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	8.7		
CALCIUM	4560		
MAGNESIUM	1720		
MANGANESE	19.8		
POTASSIUM	3110		
SODIUM	4960		

nsample	13GLM12I02D
samp_date	5/16/2003
lab_id	WT1160-027
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM12I02

Parameter	Result	Val Qual	Qual Code
ARSENIC	9.5		
CALCIUM	4420		
MAGNESIUM	1610		
MANGANESE	20.1		
POTASSIUM	2980		
SODIUM	4830		

nsample	13GLM14I02
samp_date	5/16/2003
lab_id	WT1160-009
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	322		
MAGNESIUM	320		
MANGANESE	4.2		
POTASSIUM	1500		
SODIUM	5470		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: M

nsample	13GLM15I02
samp_date	5/16/2003
lab_id	WT1160-007
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	5.6		
CALCIUM	1940		
MAGNESIUM	823		
MANGANESE	10.6		
POTASSIUM	2210		
SODIUM	6290		

nsample	13GLM15S02
samp_date	5/16/2003
lab_id	WT1160-005
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	24600		
MAGNESIUM	2750		
MANGANESE	1.5		
POTASSIUM	2150		
SODIUM	5580		

nsample	13RL051603
samp_date	5/16/2003
lab_id	WT1160-022
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	18.7	U	
MAGNESIUM	28.2	U	
MANGANESE	0.92	U	
POTASSIUM	513	U	
SODIUM	37.9		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: MISC

nsample	03GLM0502
samp_date	5/15/2003
lab_id	WT1148-1
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	UG/L	10	U	

nsample	13GLM03D02
samp_date	5/15/2003
lab_id	WT1148-3
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	8.7		
NITRATE	MG/L	0.0082	J	P
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	19	J	D
TOTAL ORGANIC CARBON	MG/L	2	U	A

nsample	13GLM04I02
samp_date	5/16/2003
lab_id	WT1160-14
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	8		
NITRATE	MG/L	0.0197	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	5.4	J	D
TOTAL ORGANIC CARBON	MG/L	5.1		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: MISC

nsample	13GLM04S02	nsample	13GLM06I02	nsample	13GLM06I02D
samp_date	5/16/2003	samp_date	5/16/2003	samp_date	5/16/2003
lab_id	WT1160-12	lab_id	WT1160-18	lab_id	WT1160-20
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	13GLM06I02

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	5		
NITRATE	MG/L	0.17		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	9.7	J	D
TOTAL ORGANIC CARBON	MG/L	3.3		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.0207	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	12	J	D
TOTAL ORGANIC CARBON	MG/L	3		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.0214	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	12	J	D
TOTAL ORGANIC CARBON	MG/L	2	U	A

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: MISC

nsample	13GLM06S02
samp_date	5/16/2003
lab_id	WT1160-17
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	9		
NITRATE	MG/L	0.0267	U	A
NITRITE	MG/L	0.1		
SULFATE	MG/L	1	UJ	D
TOTAL ORGANIC CARBON	MG/L	14		

nsample	13GLM08I02
samp_date	5/16/2003
lab_id	WT1160-3
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.0179	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	20	J	D
TOTAL ORGANIC CARBON	MG/L	2	U	A

nsample	13GLM08S02
samp_date	5/16/2003
lab_id	WT1160-1
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	14		
NITRATE	MG/L	0.0362	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	2	UJ	D
TOTAL ORGANIC CARBON	MG/L	7		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: MISC

nsample	13GLM10I02	nsample	13GLM10S02	nsample	13GLM10S02D
samp_date	5/15/2003	samp_date	5/15/2003	samp_date	5/15/2003
lab_id	WT1148-9	lab_id	WT1148-5	lab_id	WT1148-7
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	13GLM10S02

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	7.7		
NITRATE	MG/L	1.2		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	16	J	D
TOTAL ORGANIC CARBON	MG/L	3		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	6.4		
NITRATE	MG/L	0.0171	J	P
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	2	UJ	D
TOTAL ORGANIC CARBON	MG/L	29		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	5		
NITRATE	MG/L	0.0124	J	P
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	2	UJ	D
TOTAL ORGANIC CARBON	MG/L	29		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: MISC

nsample	13GLM11I02	nsample	13GLM11S02	nsample	13GLM12I02
samp_date	5/15/2003	samp_date	5/15/2003	samp_date	5/16/2003
lab_id	WT1148-13	lab_id	WT1148-11	lab_id	WT1160-25
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	9.3		
NITRATE	MG/L	0.05	U	
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	11	J	D
TOTAL ORGANIC CARBON	MG/L	3.3		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	9.6		
NITRATE	MG/L	0.1		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	9.9	J	D
TOTAL ORGANIC CARBON	MG/L	6.8		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.027	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	11	J	D
TOTAL ORGANIC CARBON	MG/L	4.6		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: MISC

nsample	13GLM12I02D
samp_date	5/16/2003
lab_id	WT1160-27
qc_type	NM
Pct_Solids	0
DUP_OF:	13GLM12I02

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.0291	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	11	J	D
TOTAL ORGANIC CARBON	MG/L	4.5		

nsample	13GLM14I02
samp_date	5/16/2003
lab_id	WT1160-9
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	7.9		
NITRATE	MG/L	0.06		
NITRITE	MG/L	0.06		
SULFATE	MG/L	5.1	J	D
TOTAL ORGANIC CARBON	MG/L	6.8		

nsample	13GLM15I02
samp_date	5/16/2003
lab_id	WT1160-7
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.0166	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	8.9	J	D
TOTAL ORGANIC CARBON	MG/L	4.3		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: MISC

nsample	13GLM15S02
samp_date	5/16/2003
lab_id	WT1160-5
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	6		
NITRATE	MG/L	0.93		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	1	UJ	D
TOTAL ORGANIC CARBON	MG/L	4.9		

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 03GLM0502

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1148-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM	876			P	1	300	20.20
7440-36-0	ANTIMONY	1.33	U		P	1	8.0	1.33
7440-38-2	ARSENIC	1.9	B		P	1	8.0	1.80
7440-39-3	BARIUM	5.5			P	1	5.0	0.48
7440-41-7	BERYLLIUM	0.31	U		P	1	5.0	0.31
7440-43-9	CADMIUM	3.66	U		P	1	10	3.66
7440-70-2	CALCIUM	11600			P	1	50	18.70
7440-47-3	CHROMIUM	1.9	B		P	1	15	0.57
7440-48-4	COBALT	0.44	U		P	1	30	0.44
7440-50-8	COPPER	14.2	B		P	1	25	2.38
7439-89-6	IRON	1420			P	1	100	6.06
7439-92-1	LEAD	0.91	U		P	1	5.0	0.91
7439-95-4	MAGNESIUM	2920			P	1	50	28.20
7439-96-5	MANGANESE	5.6			P	1	5.0	0.92
7439-97-6	MERCURY	0.05	B		CV	1	0.20	0.03
7440-02-0	NICKEL	11.70	U		P	1	40	11.70
7440-09-7	POTASSIUM	1540			P	1	1000	513.00
7782-49-2	SELENIUM	2.10	U		P	1	10	2.10
7440-22-4	SILVER	4.78	U		P	1	15	4.78
7440-23-5	SODIUM	7630			P	1	1000	18.80
7440-28-0	THALLIUM	0.10	U		MS	5	15	0.10
7440-62-2	VANADIUM	4.70	U		P	1	25	4.70
7440-66-6	ZINC	3.4	B		P	1	25	1.34

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:** 13GLM03D02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1148-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	4840			P	1	50	18.70
7439-95-4	MAGNESIUM	2500			P	1	50	28.20
7439-96-5	MANGANESE	5.6			P	1	5.0	0.92
7440-09-7	POTASSIUM	2920			P	1	1000	513.00
7440-23-5	SODIUM	4640			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM04I02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-014

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	11.6			P	1	8.0	1.80
7440-70-2	CALCIUM	5070			P	1	50	18.70
7439-95-4	MAGNESIUM	1610			P	1	50	28.20
7439-96-5	MANGANESE	10.0			P	1	5.0	0.92
7440-09-7	POTASSIUM	2840			P	1	1000	513.00
7440-23-5	SODIUM	4410			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM04S02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-012

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	2.1	B		P	1	8.0	1.80
7440-70-2	CALCIUM	19700			P	1	50	18.70
7439-95-4	MAGNESIUM	823			P	1	50	28.20
7439-96-5	MANGANESE	12.3			P	1	5.0	0.92
7440-09-7	POTASSIUM	1170			P	1	1000	513.00
7440-23-5	SODIUM	3630			P	1	1000	18.80

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:** 13GLM05I02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	2.9	B		P	1	8.0	1.80
7440-70-2	CALCIUM	3370			P	1	50	18.70
7439-95-4	MAGNESIUM	644			P	1	50	28.20
7439-96-5	MANGANESE	6.8			P	1	5.0	0.92
7440-09-7	POTASSIUM	859	B		P	1	1000	513.00
7440-23-5	SODIUM	3290			P	1	1000	18.80

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:** 13GLM06I02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-018

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	2020			P	1	50	18.70
7439-95-4	MAGNESIUM	1410			P	1	50	28.20
7439-96-5	MANGANESE	10.1			P	1	5.0	0.92
7440-09-7	POTASSIUM	2300			P	1	1000	513.00
7440-23-5	SODIUM	5540			P	1	1000	18.80

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:** 13GLM06I02D

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-020

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	2.2	B		P	1	8.0	1.80
7440-70-2	CALCIUM	2150			P	1	50	18.70
7439-95-4	MAGNESIUM	1520			P	1	50	28.20
7439-96-5	MANGANESE	9.1			P	1	5.0	0.92
7440-09-7	POTASSIUM	1800			P	1	1000	513.00
7440-23-5	SODIUM	5530			P	1	1000	18.80

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:** 13GLM06S02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-017

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	3.4	B		P	1	8.0	1.80
7440-70-2	CALCIUM	8070			P	1	50	18.70
7439-95-4	MAGNESIUM	2870			P	1	50	28.20
7439-96-5	MANGANESE	4.2	B		P	1	5.0	0.92
7440-09-7	POTASSIUM	1250			P	1	1000	513.00
7440-23-5	SODIUM	6030			P	1	1000	18.80

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:** 13GLM08I02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	14800			P	1	50	18.70
7439-95-4	MAGNESIUM	1400			P	1	50	28.20
7439-96-5	MANGANESE	1.8	B		P	1	5.0	0.92
7440-09-7	POTASSIUM	4930			P	1	1000	513.00
7440-23-5	SODIUM	5210			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM08S02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	6200			P	1	50	18.70
7439-95-4	MAGNESIUM	848			P	1	50	28.20
7439-96-5	MANGANESE	2.7	B		P	1	5.0	0.92
7440-09-7	POTASSIUM	513.00	U		P	1	1000	513.00
7440-23-5	SODIUM	6720			P	1	1000	18.80

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:** 13GLM10I02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1148-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	10200			P	1	50	18.70
7439-95-4	MAGNESIUM	794			P	1	50	28.20
7439-96-5	MANGANESE	5.0	B		P	1	5.0	0.92
7440-09-7	POTASSIUM	2010			P	1	1000	513.00
7440-23-5	SODIUM	4610			P	1	1000	18.80

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:** 13GLM10S02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1148-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	12600			P	1	50	18.70
7439-95-4	MAGNESIUM	856			P	1	50	28.20
7439-96-5	MANGANESE	18.8			P	1	5.0	0.92
7440-09-7	POTASSIUM	1510			P	1	1000	513.00
7440-23-5	SODIUM	2530			P	1	1000	18.80

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:** 13GLM10S02D

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1148-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	12700			P	1	50	18.70
7439-95-4	MAGNESIUM	868			P	1	50	28.20
7439-96-5	MANGANESE	18.4			P	1	5.0	0.92
7440-09-7	POTASSIUM	1230			P	1	1000	513.00
7440-23-5	SODIUM	2580			P	1	1000	18.80

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:** 13GLM11I02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1148-013

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	6870			P	1	50	18.70
7439-95-4	MAGNESIUM	829			P	1	50	28.20
7439-96-5	MANGANESE	6.2			P	1	5.0	0.92
7440-09-7	POTASSIUM	1900			P	1	1000	513.00
7440-23-5	SODIUM	5690			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM11S02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1148-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	9.0			P	1	8.0	1.80
7440-70-2	CALCIUM	17800			P	1	50	18.70
7439-95-4	MAGNESIUM	1420			P	1	50	28.20
7439-96-5	MANGANESE	24.9			P	1	5.0	0.92
7440-09-7	POTASSIUM	2960			P	1	1000	513.00
7440-23-5	SODIUM	6120			P	1	1000	18.80

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:** 13GLM12I02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-025

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	8.7			P	1	8.0	1.80
7440-70-2	CALCIUM	4560			P	1	50	18.70
7439-95-4	MAGNESIUM	1720			P	1	50	28.20
7439-96-5	MANGANESE	19.8			P	1	5.0	0.92
7440-09-7	POTASSIUM	3110			P	1	1000	513.00
7440-23-5	SODIUM	4960			P	1	1000	18.80

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:** 13GLM12I02D

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-027

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	9.5			P	1	8.0	1.80
7440-70-2	CALCIUM	4420			P	1	50	18.70
7439-95-4	MAGNESIUM	1610			P	1	50	28.20
7439-96-5	MANGANESE	20.1			P	1	5.0	0.92
7440-09-7	POTASSIUM	2980			P	1	1000	513.00
7440-23-5	SODIUM	4830			P	1	1000	18.80

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:** 13GLM14I02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	322			P	1	50	18.70
7439-95-4	MAGNESIUM	320			P	1	50	28.20
7439-96-5	MANGANESE	4.2	B		P	1	5.0	0.92
7440-09-7	POTASSIUM	1500			P	1	1000	513.00
7440-23-5	SODIUM	5470			P	1	1000	18.80

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:** 13GLM15I02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	5.6	B		P	1	8.0	1.80
7440-70-2	CALCIUM	1940			P	1	50	18.70
7439-95-4	MAGNESIUM	823			P	1	50	28.20
7439-96-5	MANGANESE	10.6			P	1	5.0	0.92
7440-09-7	POTASSIUM	2210			P	1	1000	513.00
7440-23-5	SODIUM	6290			P	1	1000	18.80

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:** 13GLM15S02

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	24600			P	1	50	18.70
7439-95-4	MAGNESIUM	2750			P	1	50	28.20
7439-96-5	MANGANESE	1.5	B		P	1	5.0	0.92
7440-09-7	POTASSIUM	2150			P	1	1000	513.00
7440-23-5	SODIUM	5580			P	1	1000	18.80

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:** 13RL051603

Matrix: WATER **SDG Name:** CTO287-3

Percent Solids: 0.00 **Lab Sample ID:** WT1160-022

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	18.70	U		P	1	50	18.70
7439-95-4	MAGNESIUM	28.20	U		P	1	50	28.20
7439-96-5	MANGANESE	0.92	U		P	1	5.0	0.92
7440-09-7	POTASSIUM	513.00	U		P	1	1000	513.00
7440-23-5	SODIUM	37.9	B		P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1148-1
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
03GLM0502	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Cyanide	U10 ~~mg/L~~ ug/L EWS 8/18/03	10	SW846 M9012A	05/27/03 14:24	KGT	SW846 9012	05/25/03	CYD	

Notes

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Report of Analytical Results

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

Lab Sample Id: WT1148-3
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM03D02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	8.7 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0082 mg/L	0.050	EPA 353.2	05/16/03 15:11	PAG	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:10	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	19 mg/L	1.0	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	2 mg/L	1.0	EPA 415.1	06/05/03 09:07	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
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Pittsburgh, PA 15220

Lab Sample Id: WT1160-14
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM04I02	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	8.0 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0197 mg/L	0.050	EPA 353.2	05/17/03 12:30	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/17/03 12:30	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	5.4 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	5.1 mg/L	1.0	EPA 415.1	06/06/03 12:21	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Client: Amy Thomson
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661 Andersen Drive
Foster Plaza 7
Pittsburgh, PA 15220

Lab Sample Id: WT1160-12
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM04S02	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	5 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	0.17 mg/L	0.050	EPA 353.2	05/17/03 12:29	KGT	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/17/03 12:29	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	9.7 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	3.3 mg/L	1.0	EPA 415.1	06/06/03 12:10	CYD	NA		NA	

Notes

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Report of Analytical Results

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

Lab Sample Id: WT1160-18
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM06I02	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0207 mg/L	0.050	EPA 353.2	05/17/03 12:34	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/17/03 12:34	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	12 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	3 mg/L	1.0	EPA 415.1	06/06/03 01:29	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Report of Analytical Results

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

Lab Sample Id: WT1160-20
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM06I02D	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0214 mg/L	0.050	EPA 353.2	05/17/03 12:37	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/17/03 12:37	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	12 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	2 mg/L	1.0	EPA 415.1	06/06/03 01:40	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Report of Analytical Results

Client: Amy Thomson
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661 Andersen Drive
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Pittsburgh, PA 15220

Lab Sample Id: WT1160-17
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM06S02	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	9.0 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0267 mg/L	0.050	EPA 353.2	05/17/03 12:33	KGT	N/A	N/A	N/A	1
Nitrite As N	0.1 mg/L	0.050	EPA 353.2	05/17/03 12:33	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	U1.0 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	14 mg/L	1.0	EPA 415.1	06/06/03 01:18	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1160-3
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM08I02	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0179 mg/L	0.050	EPA 353.2	05/17/03 12:25	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/17/03 12:25	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	20 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	2 mg/L	1.0	EPA 415.1	06/05/03 11:25	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

340 County Road No. 5
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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1160-1
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM08S02	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	14 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0362 mg/L	0.050	EPA 353.2	05/17/03 12:24	KGT	N/A	N/A	N/A	2
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/17/03 12:24	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	U2.0 mg/L	2.0	EPA 375.4	05/22/03 18:58	KGT	N/A	N/A	N/A	1
Total Organic Carbon	7.0 mg/L	1.0	EPA 415.1	06/05/03 11:14	CYD	NA		NA	

Notes

(1) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects,sample volume, or quantity used for analysis.

(2) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Report of Analytical Results

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

Lab Sample Id: WT1148-9
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM10I02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	7.7 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	1.2 mg/L	0.050	EPA 353.2	05/16/03 15:01	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:00	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	16 mg/L	1.0	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	3 mg/L	1.0	EPA 415.1	06/05/03 09:42	CYD	NA		NA	

Notes

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sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1148-5
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM10S02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	6.4 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0171 mg/L	0.050	EPA 353.2	05/16/03 15:08	PAG	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:07	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	U2.0 mg/L	2.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	2
Total Organic Carbon	29 mg/L	1.0	EPA 415.1	06/05/03 09:19	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

(2) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects,sample volume, or quantity used for analysis.

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Report of Analytical Results

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

Lab Sample Id: WT1148-7
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM10S02D	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	5 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0124 mg/L	0.050	EPA 353.2	05/16/03 15:05	PAG	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:04	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	U2.0 mg/L	2.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	2
Total Organic Carbon	29 mg/L	1.0	EPA 415.1	06/05/03 09:31	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

(2) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects,sample volume, or quantity used for analysis.

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Report of Analytical Results

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

Lab Sample Id: WT1148-13
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM11I02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	9.3 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:10	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:09	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	11 mg/L	1.0	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	3.3 mg/L	1.0	EPA 415.1	06/05/03 11:02	CYD	NA		NA	

Notes

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Report of Analytical Results

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

Lab Sample Id: WT1148-11
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM11S02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	9.6 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	0.1 mg/L	0.050	EPA 353.2	05/16/03 15:07	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:06	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	9.9 mg/L	1.0	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	6.8 mg/L	1.0	EPA 415.1	06/05/03 09:53	CYD	NA		NA	

Notes

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
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Pittsburgh, PA 15220

Lab Sample Id: WT1160-25
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM12I02	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	J0.027 mg/L	0.050	EPA 353.2	05/17/03 12:38	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/17/03 12:38	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	11 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	4.6 mg/L	1.0	EPA 415.1	06/06/03 01:51	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Report of Analytical Results

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

Lab Sample Id: WT1160-27
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM12I02D	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0291 mg/L	0.050	EPA 353.2	05/17/03 12:39	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/17/03 12:39	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	11 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	4.5 mg/L	1.0	EPA 415.1	06/06/03 02:03	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1160-9
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM14I02	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	7.9 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	0.06 mg/L	0.050	EPA 353.2	05/17/03 12:28	KGT	N/A	N/A	N/A	
Nitrite As N	0.06 mg/L	0.050	EPA 353.2	05/17/03 12:28	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	5.1 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	6.8 mg/L	1.0	EPA 415.1	06/05/03 11:59	CYD	NA		NA	

Notes

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1160-7
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM15I02	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0166 mg/L	0.050	EPA 353.2	05/17/03 12:27	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/17/03 12:27	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	8.9 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	4.3 mg/L	1.0	EPA 415.1	06/05/03 11:47	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1160-5
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-3

Sample Description	Matrix	Date Sampled	Date Received
13GLM15S02	AQ	05/16/2003	05/17/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	6 mg/L	2.0	EPA 325.2	05/22/03 18:07	KGT	N/A	N/A	N/A	
Nitrate As N	0.93 mg/L	0.050	EPA 353.2	05/17/03 12:26	KGT	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/17/03 12:26	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	U1.0 mg/L	1.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	
Total Organic Carbon	4.9 mg/L	1.0	EPA 415.1	06/05/03 11:36	CYD	NA		NA	

Notes

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APPENDIX C
SUPPORT DOCUMENTATION

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
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Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Page ____ of ____

Client: Tt NUS | Contact: Mike Akers | Phone #: (850) 385-9899 | Fax #: (850) 385-9860

Address: 1401 Oven Park Dr | City: Tallahassee | State: FL | Zip Code: 32308

Purchase Order #: WR340N9061 | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign) | Copies To:

LAB USE ONLY WORK ORDER #: WT1148

KATAHDIN PROJECT MANAGER

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.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL VOC/SIM 8270C (Filt. ☐Y ☒N)	TCL PEST/PCB 8081A/8082 (Filt. ☐Y ☒N)	TAL metals + Hg 6010B/7471 (Filt. ☐Y ☒N)	Cyanide 9012B (Filt. ☐Y ☒N)	Selected metals 6010B (Filt. ☐Y ☒N)	Anions EPA 300 (Filt. ☐Y ☒N)	RSK 147/175 (Filt. ☐Y ☒N)	TOC EPA 415.1 (Filt. ☐Y ☒N)	(Filt. ☐Y ☐N)
	03GLM0502	5/14/03/0800	GW	9	3	2	2	1	1	1	1	1	1	
	13GLM03DOR	5/14/03/1005	GW	11	3	2	1	1	1	1	1	2	2	
*	13GLM10502	5/14/03/1110	GW	11	3	2	1	1	1	1	1	2	2	
*	13GLM10502D	5/14/03/1110	GW	11	3	2	1	1	1	1	1	2	2	
*	13GLM10I07	5/14/03/1440	GW	11	3	2	1	1	1	1	1	2	2	
*	13GLM10502	5/14/03/1530	GW	11	3	2	1	1	1	1	1	2	2	
	~~13TLMRLWS~~	/												
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		/												
		/												
		/												

15th not 14th
LWS 15MAY03

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	5/15/03 1500	[signature] 5/16/03			
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.

ORIGINAL

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

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Page ____ of ____

Client: TE Nus
Contact: Mike Allens
Phone #: (850) 385-9899
Fax #: (850) 385-9860
Address: 1401 Oven Park Dr.
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340N9061
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): Larry Smith Larry W Smith
Copies To:

LAB USE ONLY
WORK ORDER #: WR1160
KATAHDIN PROJECT MANAGER:

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.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL SVOC 8270C/SIM (Filt. ☐Y ☒N)	Metals, Selected 6010B (Filt. ☐Y ☒N)	Dissolved Gases RSK 147/175 (Filt. ☐Y ☒N)	Anions EPA 300 (Filt. ☐Y ☒N)	TOC EPA 415.1 (Filt. ☐Y ☒N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)
	13GLM05I02	16May03 /	GW	1			1							
	13GLM04S02	" / 0845	GW	11	3	2	1	2	1	2				
	13GLM04I02	" / 1030	"	11	3	2	1	2	1	2				
	13GLM12I02	" / 0850	"	11	3	2	1	2	1	2				
	13GLM06S02	" / 1200	"	11	3	2	1	2	1	2				
*	13GLM06I02	" / 1215	"	11	3	2	1	2	1	2				
*	13GLM06I02D	" / 1215	"	11	3	2	1	2	1	2				
	13RL051603	" / 1440	W	6	3	2	1							
	13TB051603	16May03 /	W	2	2									
		/												
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Larry W Smith	16May03 / 1530	[illegible]			
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.

ORIGINAL

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 ____ of ____

Client: TL WOS | Contact: M. Akers | Phone #: (850) 385 9899 | Fax #: (850) 385-9860

Address: 1401 Oven Park Dr. st 201 | City: Tallahasse | State: FL | Zip Code: 32308

Purchase Order #: WR 340 N9061 | Proj. Name / No.: PCU-RFI | Katahdin Quote #:

Bill (if different than above): | Address:

Sampler (Print / Sign): William P. Olson | Copies To:

LAB USE ONLY WORK ORDER #: WT1160 KATAHDIN PROJECT MANAGER

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.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL SVOC/SIM 8270C (Filt. ☐Y ☒N)	Selected Metals 6010B (Filt. ☐Y ☒N)	RSK 147/175 (Filt. ☐Y ☒N)	TOC EPA 415.1 (Filt. ☐Y ☒N)	Anions EPA 300 (Filt. ☐Y ☒N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)	(Filt. ☐Y ☐N)
	13GLM08S02	5/16/03/0835	GW	11	3	2	1	2	2	1				
	13GLM08I02	5/16/03/0945	GW	11	3	2	1	2	2	1				
	13GLM15S02	5/16/03/1100	GW	11	3	2	1	2	2	1				
	13GLM15I02	5/16/03/1205	GW	11	3	2	1	2	2	1				
	13GLM14I02	5/16/03/1355	GW	11	3	2	1	2	2	1				
		/												
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	5/16/03 1530	[signature]	5/17/03 1005		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC. ☎ (877) 782-3311

KAS-COC1 (R.0900)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

ORIGINAL

TATARDIN ANALYTICAL SERVICES, INC.

SAMPLE RECEIPT CONDITION REPORT

Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # LWT1147 + LWT1148

PAGE: 1 OF 4

COOLER: 1 OF 4

CLIENT: Tetra tech

PROJECT: Panama City

COC#
SDG#
DATE / TIME RECEIVED: 5/16/03 0935
DELIVERED BY: Fedex
RECEIVED BY: AMB
LIMS ENTRY BY: AMB
LIMS REVIEW BY / PM: MC

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	✓				
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	✓				
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	✓				
4. CHAIN OF CUSTODY MATCHES SAMPLES?		✓		* see below	
5. TEMPERATURE BLANKS PRESENT?	✓			TEMP BLANK TEMP (°C)= 1.6	MC notified client by email 5/16/03
6. SAMPLES RECEIVED AT 4°C ±/-2? ICE / ICE PACKS PRESENT Y or N?		✓		COOLER TEMP (°C)= NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
7. VOLATILES FREE OF HEADSPACE?	✓				
8. TRIP BLANK PRESENT IN THIS COOLER	✓				
9. PROPER SAMPLE CONTAINERS AND VOLUME?	✓				
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	✓				
11. SAMPLES PROPERLY PRESERVED(1)?	✓				
12. CORRECTIVE ACTION REPORT FILED?		✓	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP NFESC ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1):

* No metals for 13GLM05I02 - Metals → received metals 5/17/03
* No VOCs for 13TB5503
Received 13GLM11I02 5/15 1440 not on COC,
Received 13GLM10I02 sampled 5/15 12:40 and 13GLM11I02 sampled 5/15 14:40.

(1) Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

13GLM10S02 5/15/03 1530 on COC, bottles are 13GLM11S02 5/15 1530.

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WT1160

PAGE: 1 OF 4

COOLER: 1 OF 4

CLIENT: Tetra tech

PROJECT: Panama City

COC#
SDG#
DATE / TIME RECEIVED: 5/17/03 1005
DELIVERED BY: Fedex
RECEIVED BY: AMB
LIMS ENTRY BY: AMB
LIMS REVIEW BY / PM: RC

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	✓				
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	✓				
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	✓				
4. CHAIN OF CUSTODY MATCHES SAMPLES?	✓				
5. TEMPERATURE BLANKS PRESENT?	✓				
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y) or N?	✓			TEMP BLANK TEMP (°C)= 4.0	
7. VOLATILES FREE OF HEADSPACE?	✓			COOLER TEMP (°C)= NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
8. TRIP BLANK PRESENT IN THIS COOLER	✓				
9. PROPER SAMPLE CONTAINERS AND VOLUME?	✓				
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	✓				
11. SAMPLES PROPERLY PRESERVED[1]?	✓				
12. CORRECTIVE ACTION REPORT FILED?		✓	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP (NFESC) ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES[1]: * 13GLM08502 1 of 3 vials Received broken - AMB
* Received 13GLM12F020 for all analysis not on COC - AMB - ASC notified client 5/18/03 proceed per Bill Olson 5/19/03.

(1) Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

000012

2873

HOLDING TIME

07/11/03

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/L	13GLM03D02	WT1148-3	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM04I02	WT1160-14	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM04S02	WT1160-12	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06I02	WT1160-18	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06I02D	WT1160-20	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06S02	WT1160-17	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08I02	WT1160-3	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02	WT1160-1	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02DUP	WT1160-1 DUP	DUPLICATE	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02MS	WT1160-1 MS	MS	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM10I02	WT1148-9	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM10S02	WT1148-5	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM10S02D	WT1148-7	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM11I02	WT1148-13	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM11S02	WT1148-11	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM12I02	WT1160-25	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM12I02D	WT1160-27	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM14I02	WT1160-9	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM15I02	WT1160-7	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM15S02	WT1160-5	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	LABQC	MBLANK	LCS	2873	CL	05/22/03	05/22/03	05/22/03	0	0	0
MG/L	03GLM05I02	WT1148-1	NORMAL	2873	CN	05/15/03	05/25/03	05/27/03	10	2	12
MG/L	LABQC	MBLANK	P BLANK	2873	CN	05/15/03	05/25/03	05/27/03	9	2	11
UG/ML	13GLM03D02	0305387-01A	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/ML	13GLM04I02	0305384-07A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM04S02	0305384-06A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02	0305384-09A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02D	0305384-10A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06S02	0305384-08A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08I02	0305384-02A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08S02	0305384-01A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM10I02	0305387-04A	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02	0305387-02A	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02D	0305387-03A	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11I02	0305387-06AA	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11S02	0305387-05A	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM12I02	0305384-11A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM12I02D	0305384-12A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM14I02	0305384-05A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15I02	0305384-04A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15S02	0305384-03AA	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	LAB BLANK	0305387-07A	M_BLANK	2873	ETHA	/ /	05/29/03	05/29/03	0	0	0
%R	LCS	0305387-08A	LCS	2873	ETHA	/ /	05/29/03	05/29/03	0	0	0
UG/ML	13GLM03D02	0305387-01A	NORMAL	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM04I02	0305384-07A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM04S02	0305384-06A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02	0305384-09A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02D	0305384-10A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06S02	0305384-08A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08I02	0305384-02A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08S02	0305384-01A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/ML	13GLM10I02	0305387-04A	NORMAL	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02	0305387-02A	NORMAL	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02D	0305387-03A	NORMAL	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11I02	0305387-06AA	DUPLICATE	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11S02	0305387-05A	NORMAL	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM12I02	0305384-11A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM12I02D	0305384-12A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM14I02	0305384-05A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15I02	0305384-04A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15S02	0305384-03AA	DUPLICATE	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	LAB BLANK	0305387-07A	M_BLANK	2873	ETHE	/ /	05/29/03	05/29/03	0	0	0
%R	LCS	0305387-08A	LCS	2873	ETHE	/ /	05/29/03	05/29/03	0	0	0
UG/L	03GLM0502	WT1148-001	NORMAL	2873	HG	05/15/03	06/04/03	06/04/03	20	0	20
UG/L	LABQC	PBWTF04HGW0	LCS	2873	HG	05/22/03	06/04/03	06/04/03	13	0	13
UG/L	03GLM0502	WT1148-001	NORMAL	2873	M	05/15/03	05/20/03	06/09/03	5	20	25
UG/L	13GLM03D02	WT1148-003	NORMAL	2873	M	05/15/03	05/20/03	05/24/03	5	4	9
UG/L	13GLM04I02	WT1160-014	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM04S02	WT1160-012	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM05I02	WT1160-011	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM06I02	WT1160-018R	NORMAL	2873	M	05/16/03	06/04/03	06/05/03	19	1	20
UG/L	13GLM06I02D	WT1160-020R	NORMAL	2873	M	05/16/03	06/04/03	06/05/03	19	1	20
UG/L	13GLM06S02	WT1160-017	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM08I02	WT1160-003	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM08S02	WT1160-001	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM10I02	WT1148-009	NORMAL	2873	M	05/15/03	05/22/03	05/24/03	7	2	9
UG/L	13GLM10S02	WT1148-005	NORMAL	2873	M	05/15/03	05/20/03	05/24/03	5	4	9
UG/L	13GLM10S02D	WT1148-007	NORMAL	2873	M	05/15/03	05/20/03	05/24/03	5	4	9

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/L	13GLM11I02	WT1148-013	NORMAL	2873	M	05/15/03	05/22/03	05/24/03	7	2	9
UG/L	13GLM11S02	WT1148-011	NORMAL	2873	M	05/15/03	05/22/03	05/24/03	7	2	9
UG/L	13GLM12I02	WT1160-025R	NORMAL	2873	M	05/16/03	06/04/03	06/05/03	19	1	20
UG/L	13GLM12I02D	WT1160-027R	NORMAL	2873	M	05/16/03	06/04/03	06/05/03	19	1	20
UG/L	13GLM14I02	WT1160-009	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM15I02	WT1160-007	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM15S02	WT1160-005	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13RL051603	WT1160-022R	NORMAL	2873	M	05/16/03	06/04/03	06/05/03	19	1	20
UG/L	LABQC	PBWTE20ICW3	LCS	2873	M	05/29/03	05/20/03	05/22/03	-9	2	-7
UG/ML	13GLM03D02	0305387-01A	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM04I02	0305384-07A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM04S02	0305384-06A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02	0305384-09A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02D	0305384-10A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06S02	0305384-08A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08I02	0305384-02A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08S02	0305384-01A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM10I02	0305387-04A	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02	0305387-02A	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02D	0305387-03A	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11I02	0305387-06AA	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11S02	0305387-05A	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM12I02	0305384-11A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM12I02D	0305384-12A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM14I02	0305384-05A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15I02	0305384-04A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15S02	0305384-03AA	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14

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UG/ML	LAB BLANK	0305387-07A	M_BLANK	2873	METH	/ /	05/29/03	05/29/03	0	0	0
%R	LCS	0305387-08A	LCS	2873	METH	/ /	05/29/03	05/29/03	0	0	0
MG/L	13GLM03D02	WT1148-3	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM04I02	WT1160-14	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM04I02DUP	WT1160-14 DUP	DUPLICATE	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM04I02MS	WT1160-14 MS	MS	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM04S02	WT1160-12	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02	WT1160-18	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02D	WT1160-20	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02DUP	WT1160-18 DUP	DUPLICATE	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02MS	WT1160-18 MS	MS	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06S02	WT1160-17	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM08I02	WT1160-3	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM08S02	WT1160-1	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM10I02	WT1148-9	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM10S02	WT1148-5	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM10S02D	WT1148-7	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM11I02	WT1148-13	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM11S02	WT1148-11	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM12I02	WT1160-25	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM12I02D	WT1160-27	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM14I02	WT1160-9	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM15I02	WT1160-7	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM15S02	WT1160-5	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	LABQC	MBLANK	P BLANK	2873	NTA	05/22/03	05/17/03	05/17/03	-5	0	-5
MG/L	13GLM03D02	WT1148-3	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM04I02	WT1160-14	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1

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MG/L	13GLM04I02DUP	WT1160-14 DUP	DUPLICATE	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM04I02MS	WT1160-14 MS	MS	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM04S02	WT1160-12	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02	WT1160-18	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02D	WT1160-20	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02DUP	WT1160-18 DUP	DUPLICATE	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02MS	WT1160-18 MS	MS	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06S02	WT1160-17	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM08I02	WT1160-3	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM08S02	WT1160-1	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM10I02	WT1148-9	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM10S02	WT1148-5	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM10S02D	WT1148-7	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM11I02	WT1148-13	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM11S02	WT1148-11	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM12I02	WT1160-25	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM12I02D	WT1160-27	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM14I02	WT1160-9	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM15I02	WT1160-7	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM15S02	WT1160-5	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	LABQC	MBLANK	LCS	2873	NTI	05/17/03	05/16/03	05/16/03	-1	0	-1
%	03GLM0502	WT1148-1RA	NORMAL	2873	OS	05/15/03	05/21/03	06/11/03	6	21	27
%	13GLM03D02	WT1148-3	NORMAL	2873	OS	05/15/03	05/21/03	06/10/03	6	20	26
%	13GLM04I02	WT1160-14	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM04S02	WT1160-12	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM06I02	WT1160-18	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27
%	13GLM06I02D	WT1160-20	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27

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%	13GLM06S02	WT1160-16	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27
%	13GLM08I02	WT1160-3	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM08S02	WT1160-1	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM10I02	WT1148-9	NORMAL	2873	OS	05/15/03	05/22/03	06/11/03	7	20	27
%	13GLM10S02	WT1148-5	NORMAL	2873	OS	05/15/03	05/21/03	06/10/03	6	20	26
%	13GLM10S02D	WT1148-7	NORMAL	2873	OS	05/15/03	05/21/03	06/10/03	6	20	26
%	13GLM11I02	WT1148-13RE	NORMAL	2873	OS	05/15/03	06/18/03	06/21/03	34	3	37
%	13GLM11S02	WT1148-11	NORMAL	2873	OS	05/15/03	05/22/03	06/11/03	7	20	27
%	13GLM12I02	WT1160-25	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27
%	13GLM12I02D	WT1160-27	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27
%	13GLM14I02	WT1160-9	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM15I02	WT1160-7	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM15S02	WT1160-5	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13RL051603	WT1160-22	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27
%	WG2353-BLANK	WG2353-1	P BLANK	2873	OS	05/21/03	05/21/03	06/10/03	0	20	20
%	WG2353-LCS	WG2353-2	LCS	2873	OS	05/21/03	05/21/03	06/10/03	0	20	20
%	WG2353-LCSD	WG2353-3	LCSD	2873	OS	05/21/03	05/21/03	06/10/03	0	20	20
%	WG2354-BLANK	WG2354-1	P BLANK	2873	OS	05/21/03	05/21/03	05/27/03	0	6	6
%	WG2354-LCS	WG2354-2	LCS	2873	OS	05/21/03	05/21/03	05/27/03	0	6	6
%	WG2354-LCSD	WG2354-3	LCSD	2873	OS	05/21/03	05/21/03	06/05/03	0	15	15
%	WG2367-BLANK	WG2367-1	P BLANK	2873	OS	05/22/03	05/22/03	06/02/03	0	11	11
%	WG2367-LCS	WG2367-4	LCS	2873	OS	05/22/03	05/22/03	06/02/03	0	11	11
%	WG2367-LCSD	WG2367-5	LCSD	2873	OS	05/22/03	05/22/03	06/02/03	0	11	11
%	WG2641-BLANK	WG2641-1	P BLANK	2873	OS	06/18/03	06/18/03	06/21/03	0	3	3
%	WG2641-LCS	WG2641-2	LCS	2873	OS	06/18/03	06/18/03	06/21/03	0	3	3
%	WG2641-LCSD	WG2641-3	LCSD	2873	OS	06/18/03	06/18/03	06/21/03	0	3	3
UG/L	03GLM0502	WT1148-1	NORMAL	2873	OV	05/15/03	05/28/03	05/28/03	13	0	13

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UG/L	13GLM03D02	WT1148-3	NORMAL	2873	OV	05/15/03	05/28/03	05/28/03	13	0	13
UG/L	13GLM04I02	WT1160-14	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
%	13GLM04S02	WT1160-12	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM06I02	WT1160-18	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM06I02D	WT1160-20	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM06S02	WT1160-17	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM08I02	WT1160-3	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM08S02	WT1160-1	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM10I02	WT1148-9	NORMAL	2873	OV	05/15/03	05/28/03	05/28/03	13	0	13
UG/L	13GLM10S02	WT1148-5	NORMAL	2873	OV	05/15/03	05/28/03	05/28/03	13	0	13
UG/L	13GLM10S02D	WT1148-7	NORMAL	2873	OV	05/15/03	05/28/03	05/28/03	13	0	13
UG/L	13GLM11I02	WT1148-13	NORMAL	2873	OV	05/15/03	05/29/03	05/29/03	14	0	14
UG/L	13GLM11S02	WT1148-11	NORMAL	2873	OV	05/15/03	05/29/03	05/29/03	14	0	14
UG/L	13GLM12I02	WT1160-25	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM12I02D	WT1160-27	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM14I02	WT1160-9	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM15I02	WT1160-7	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM15S02	WT1160-5	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13RL051603	WT1160-22	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13TB051603	WT1160-24	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	WG2417-BLANK	WG2417-2	P BLANK	2873	OV	/ /	05/27/03	05/27/03	0	0	0
UG/L	WG2417-LCS	WG2417-1	LCS	2873	OV	/ /	05/27/03	05/27/03	0	0	0
UG/L	WG2446-BLANK	WG2446-2	P BLANK	2873	OV	/ /	05/29/03	05/29/03	0	0	0
UG/L	WG2446-LCS	WG2446-1	LCS	2873	OV	/ /	05/29/03	05/29/03	0	0	0
%	03GLM0502	WT1148-1	NORMAL	2873	PCB	05/15/03	05/20/03	06/07/03	5	18	23
%	WG2335-BLANK	WG2335-1	P BLANK	2873	PCB	05/20/03	05/20/03	06/07/03	0	18	18
%	WG2335-LCS	WG2335-2	LCS	2873	PCB	05/20/03	05/20/03	06/07/03	0	18	18

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UG/L	03GLM0502	WT1148-1	NORMAL	2873	PEST	05/15/03	05/20/03	06/10/03	5	21	26
UG/L	WG2334-BLANK	WG2334-1	P BLANK	2873	PEST	05/20/03	05/20/03	06/09/03	0	20	20
UG/L	WG2334-LCS	WG2334-2	LCS	2873	PEST	05/20/03	05/20/03	06/10/03	0	21	21
UG/L	WG2334-LCSD	WG2334-3	LCSD	2873	PEST	05/20/03	05/20/03	06/10/03	0	21	21
MG/L	LABQC	LCS	LCS	2873	PH	05/16/03	05/16/03	05/16/03	0	0	0
%	03GLM0502	WT1148-2	NORMAL	2873	SIM	05/15/03	05/21/03	06/13/03	6	23	29
%	13GLM03D02	WT1148-4	NORMAL	2873	SIM	05/15/03	05/21/03	06/13/03	6	23	29
%	13GLM04I02	WT1160-15	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM04S02	WT1160-13	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM06I02	WT1160-19	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM06I02D	WT1160-21	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM06S02	WT1160-17	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM08I02	WT1160-4	NORMAL	2873	SIM	05/16/03	05/22/03	06/13/03	6	22	28
%	13GLM08S02	WT1160-2	NORMAL	2873	SIM	05/16/03	05/22/03	06/13/03	6	22	28
%	13GLM10I02	WT1148-10	NORMAL	2873	SIM	05/15/03	05/22/03	06/13/03	7	22	29
%	13GLM10S02	WT1148-6DL2	NORMAL	2873	SIM	05/15/03	05/21/03	06/16/03	6	26	32
%	13GLM10S02D	WT1148-8DL	NORMAL	2873	SIM	05/15/03	05/21/03	06/14/03	6	24	30
%	13GLM11I02	WT1148-14	NORMAL	2873	SIM	05/15/03	05/21/03	06/13/03	6	23	29
%	13GLM11S02	WT1148-12	NORMAL	2873	SIM	05/15/03	05/22/03	06/13/03	7	22	29
%	13GLM12I02	WT1160-26	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM12I02D	WT1160-28	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM14I02	WT1160-10	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM15I02	WT1160-8	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM15S02	WT1160-6	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13RL051603	WT1160-23	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	WG2353-BLANK	WG2353-1B	P BLANK	2873	SIM	05/21/03	05/21/03	06/12/03	0	22	22
%	WG2353-LCS	WG2353-4	LCS	2873	SIM	05/21/03	05/21/03	06/12/03	0	22	22

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%	WG2353-LCSD	WG2353-5	LCSD	2873	SIM	05/21/03	05/21/03	06/12/03	0	22	22
%	WG2354-BLANK	WG2354-1B	P BLANK	2873	SIM	05/21/03	05/21/03	06/09/03	0	19	19
%	WG2354-LCS	WG2354-4	LCS	2873	SIM	05/21/03	05/21/03	06/11/03	0	21	21
%	WG2354-LCSD	WG2354-5	LCSD	2873	SIM	05/21/03	05/21/03	06/10/03	0	20	20
%	WG2367-BLANK	WG2367-1B	P BLANK	2873	SIM	05/22/03	05/22/03	06/13/03	0	22	22
%	WG2367-LCS	WG2367-2	LCS	2873	SIM	05/22/03	05/22/03	06/13/03	0	22	22
%	WG2367-LCSD	WG2367-3	LCSD	2873	SIM	05/22/03	05/22/03	06/13/03	0	22	22
MG/L	13GLM03D02	WT1148-3	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM04I02	WT1160-14	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM04S02	WT1160-12	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06I02	WT1160-18	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06I02D	WT1160-20	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06S02	WT1160-17	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08I02	WT1160-3	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02	WT1160-1	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02DUP	WT1160-1 DUP	DUPLICATE	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02MS	WT1160-1 MS	MS	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM10I02	WT1148-9	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM10S02	WT1148-5	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM10S02D	WT1148-7	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM11I02	WT1148-13	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM11S02	WT1148-11	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM12I02	WT1160-25	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM12I02D	WT1160-27	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM14I02	WT1160-9	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM15I02	WT1160-7	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM15S02	WT1160-5	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/L	LABQC	MBLANK	LCS	2873	SO4	05/17/03	05/22/03	05/22/03	5	0	5
MG/L	13GLM03D02	WT1148-3	NORMAL	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM04I02	WT1160-14	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM04I02DUP	WT1160-14 DUP	DUPLICATE	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM04I02MS	WT1160-14 MS	MS	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM04S02	WT1160-12	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM06I02	WT1160-18	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM06I02D	WT1160-20	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM06S02	WT1160-17	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM08I02	WT1160-3	NORMAL	2873	TOC	05/16/03	/ /	06/05/03	0	0	20
MG/L	13GLM08S02	WT1160-1	NORMAL	2873	TOC	05/16/03	/ /	06/05/03	0	0	20
MG/L	13GLM10I02	WT1148-9	NORMAL	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM10S02	WT1148-5	NORMAL	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM10S02D	WT1148-7	NORMAL	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM11I02	WT1148-13	DUPLICATE	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM11S02	WT1148-11	NORMAL	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM11S02MS	WT1148-11 MS	MS	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM12I02	WT1160-25	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM12I02D	WT1160-27	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM14I02	WT1160-9	NORMAL	2873	TOC	05/16/03	/ /	06/05/03	0	0	20
MG/L	13GLM15I02	WT1160-7	NORMAL	2873	TOC	05/16/03	/ /	06/05/03	0	0	20
MG/L	13GLM15S02	WT1160-5	NORMAL	2873	TOC	05/16/03	/ /	06/05/03	0	0	20
MG/L	LABQC	MBLANK	P BLANK	2873	TOC	05/25/03	/ /	06/05/03	0	0	11

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CSS PANAMA CITY CTO 287
SDG: CTO287-3
WT1148, WT1160

Sample Receipt

The following samples were received on May 16 and 17, 2003 and were logged in under Katahdin Analytical Services work order numbers WT1148 and WT1160 for a hardcopy due date of June 11, 2003.

KATAHDIN Sample No.	TTNUS Sample Identification
WT1148-1	03GLM0502
WT1148-2	03GLM0502
WT1148-3	13GLM03D02
WT1148-4	13GLM03D02
WT1148-5	13GLM10S02
WT1148-6	13GLM10S02
WT1148-7	13GLM10S02D
WT1148-8	13GLM10S02D
WT1148-9	13GLM10I02
WT1148-10	13GLM10I02
WT1148-11	13GLM11S02
WT1148-12	13GLM11S02
WT1148-13	13GLM11I02
WT1148-14	13GLM11I02
WT1160-1	13GLM08S02
WT1160-2	13GLM08S02
WT1160-3	13GLM08I02
WT1160-4	13GLM08I02
WT1160-5	13GLM15S02
WT1160-6	13GLM15S02
WT1160-7	13GLM15I02
WT1160-8	13GLM15I02
WT1160-9	13GLM14I02
WT1160-10	13GLM14I02
WT1160-11	13GLM05I02
WT1160-12	13GLM04S02
WT1160-13	13GLM04S02
WT1160-14	13GLM04I02
WT1160-15	13GLM04I02
WT1160-16	13GLM06S02
WT1160-17	13GLM06S02
WT1160-18	13GLM06I02

WT1160-19	13GLM06I02
WT1160-20	13GLM06I02D
WT1160-21	13GLM06I02D
WT1160-22	13RL051603
WT1160-23	13RL051603
WT1160-24	13TB051603
WT1160-25	13GLM12I02
WT1160-26	13GLM12I02
WT1160-27	13GLM12I02D
WT1160-28	13GLM12I02D

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.

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 Laboratory

Samples WT1148-1 through 14 were received on May 16, 2003 and samples WT1160-1 through -28 were received on May 17, 2003. Some of the samples were analyzed for pesticides according to SW-846 method 8081A and/or polychlorinated biphenyls (PCBs) according to SW-846 method 8082 and/or semivolatiles according to SW-846 method 8270C for the CLP target analytes and/or SIM semivolatiles according to SW-846 method 8270C and/or volatile organics according to SW-846 method 8260B. Some manual integrations were performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software generated) on the pertinent quantitation reports. The samples were extracted and/or analyzed within hold time, and all QC criteria were met with the following comments:

8081 Analysis

The laboratory control sample (LCS) WG2334-2 had a low recovery for 4,4'-DDT which was outside of the laboratory established acceptance limits. The laboratory control sample duplicate (LCSD) WG2334-3 likewise had a low recovery for 4,4'-DDT, as well as slightly low recoveries for delta-BHC, 4,4'-DDD, Endrin aldehyde, Endosulfan sulfate, and Endrin ketone. Since all other recoveries were acceptable, and none of these analytes were recovered in the associated samples, these samples were not reanalyzed.

The closing CV (files 8TF1128) had low responses for 4,4'-DDD and Methoxychlor on the A channel, which resulted in %D's that were outside the method limit of 15%. The associated samples may be biased accordingly for these analytes.

8260 Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) and Matrix spike samples (MS/MSD's) are statistically derived. Katahdin standard operating procedure is to not take corrective action until greater than ten percent of the spiked analytes in the LCS are outside of QC limits.

The calibration method analyzed on 5/23/03, was for the OLM04.2 analytes. It had a %RSD for Methyl tert-butyl ether that exceeded the method acceptance limit of 15%. Both linear and quadratic model failed for this analyte. The average model was used for this analyte. Since Methyl tert-butyl ether was not detected above the MDL in any of the samples associated with this curve, the quality of the data should not be affected.

Sample WT1148-5 has one surrogate with a recovery that is high and outside of the laboratory established acceptance limits. Since the other three surrogates were acceptable, the sample was not reanalyzed.

The laboratory method blanks WG2417-2 and WG2446-2, respectively detected one and seventeen analytes above the MDL. Any of the associated samples that detected these analytes above the MDL were flagged with a "B" qualifier indicating that the analyte(s) was detected in the method blank analyzed concurrently with the sample.

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

Metals Analysis

The samples of Katahdin SDG CTO287-3 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) and Inductively-Coupled Plasma Mass Spectrometric Analysis (ICP-MS)

Aqueous-matrix Katahdin Sample Nos. WT1148-(1,3,5,7) were digested for ICP and ICP-MS analysis on 05/20/03 (QC Batch TE20ICW3) in accordance with USEPA Method 3010A.

Aqueous-matrix Katahdin Sample Nos. WT1148-(9,11,13) and WT1160-(1,3,5,7,9,11,12,14,17) were digested for ICP analysis on 05/22/03 (QC Batch TE22ICW0) in accordance with USEPA Method 3010A.

Aqueous-matrix Katahdin Sample Nos. WT1160-(18,20,22,25,27) were originally digested for ICP analysis on 05/29/03 (QC Batch TE29ICW0) in accordance with USEPA Method 3010A. Due to instrument failure, all of the digestates were consumed before these samples could be successfully analyzed for manganese, potassium and sodium. For that reason, Katahdin Sample Nos. WT1160-(18,20,22,25,27) were redigested for ICP analysis on 06/04/03 (QC Batch TF04ICW0). Redigestates are identified throughout raw data and runlogs by the suffix "R"

appended to the Katahdin Sample ID, i.e. "WT1160-018R". These redigestates were successfully analyzed for manganese, potassium and sodium.

ICP analyses of Katahdin SDG CTO287-3 sample digestates were performed in accordance with USEPA Method 6010B, using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. ICP-MS analyses of Katahdin SDG CTO287-3 sample digestate WT1148-1 for thallium were performed in accordance with USEPA Method 6020, using an Agilent 7500 ICP-MS spectrometer. All samples were analyzed within holding times and all 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)

Aqueous-matrix Katahdin Sample No. WT1148-1 was digested for mercury analysis on 06/04/03 (QC Batch TF04HGW0) in accordance with USEPA Method 7470A.

Mercury analyses of Katahdin SDG CTO287-3 sample digestates were performed using a Leeman Labs PS200 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 CTO287-3 were received on 05/16/03 and 05/17/03 and logged in as Katahdin Work Orders WT1148 and WT1160. Analyses for Chloride, Total Organic Carbon (TOC), Sulfate, Nitrate, and Nitrite were performed according to "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1979, Revised 1983.

All Wet Chemistry results have been reported down to Katahdin Analytical Services' Method Detection Limits (MDL). These levels are indicated in the result field of the analytical report. For hits that fall between the MDL and Katahdin's Practical Quantitation Limit (PQL), a "J" flag has been used.

All analyses were performed within analytical hold time, and all quality control criteria were met, with the following exceptions:

The measured Sulfate recovery (74%) for the matrix spike aliquot of Katahdin Sample No. WT1160-1 is outside the laboratory's acceptance limits of 75-125%.

No other deviations were noted by the Wet Chemistry group.

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: CTO287-3 **SOW No.** SW846

Client Field ID	Lab Sample ID
03GLM0502	WT1148-001
13GLM03D02	WT1148-003
13GLM04I02	WT1160-014
13GLM04S02	WT1160-012
13GLM05I02	WT1160-011
13GLM06I02	WT1160-018
13GLM06I02D	WT1160-020
13GLM06S02	WT1160-017
13GLM08I02	WT1160-003
13GLM08S02	WT1160-001
13GLM10I02	WT1148-009
13GLM10S02	WT1148-005
13GLM10S02D	WT1148-007
13GLM11I02	WT1148-013
13GLM11S02	WT1148-011
13GLM12I02	WT1160-025
13GLM12I02D	WT1160-027
13GLM14I02	WT1160-009
13GLM15I02	WT1160-007
13GLM15S02	WT1160-005
13RL051603	WT1160-022

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: Emily Elatin Name: Emily Elatin

Date: June 18, 2003 Title: Chemist.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICV

File: ATE22A May 22, 2003 10:35

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18976.27	94.9
ANTIMONY	600.0	566.12	94.4
ARSENIC	600.0	556.73	92.8
CALCIUM	20000.0	19576.38	97.9
CHROMIUM	500.0	490.57	98.1
COBALT	500.0	484.82	97.0
IRON	20000.0	20023.41	100.1
LEAD	550.0	514.73	93.6
MAGNESIUM	20000.0	20185.51	100.9
SELENIUM	550.0	518.20	94.2

SAMPLE: CCV

File: ATE22A May 22, 2003 11:15

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	45600.65	91.2
ANTIMONY	1000.0	955.16	95.5
ARSENIC	1000.0	968.99	96.9
CALCIUM	50000.0	47931.66	95.9
CHROMIUM	1000.0	953.41	95.3
COBALT	1000.0	942.15	94.2
IRON	20000.0	19060.11	95.3
LEAD	1000.0	960.45	96.0
MAGNESIUM	50000.0	47904.80	95.8
SELENIUM	1000.0	947.92	94.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: ATE22A May 22, 2003 12:45

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48351.38	96.7
ANTIMONY	1000.0	1018.64	101.9
ARSENIC	1000.0	1027.25	102.7
CALCIUM	50000.0	51433.67	102.9
CHROMIUM	1000.0	1014.62	101.5
COBALT	1000.0	1009.07	100.9
IRON	20000.0	20283.92	101.4
LEAD	1000.0	1041.90	104.2
MAGNESIUM	50000.0	50671.09	101.3
SELENIUM	1000.0	1048.75	104.9

SAMPLE: CCV

File: ATE22A May 22, 2003 14:05

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47854.01	95.7
ANTIMONY	1000.0	1022.45	102.2
ARSENIC	1000.0	1036.86	103.7
CALCIUM	50000.0	51708.54	103.4
CHROMIUM	1000.0	1011.78	101.2
COBALT	1000.0	1004.78	100.5
IRON	20000.0	20250.49	101.3
LEAD	1000.0	1052.19	105.2
MAGNESIUM	50000.0	50576.08	101.2
SELENIUM	1000.0	1054.48	105.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: ATE22A May 22, 2003 15:19

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	46288.74	92.6
ANTIMONY	1000.0	1032.06	103.2
ARSENIC	1000.0	1056.53	105.7
CALCIUM	50000.0	51762.61	103.5
CHROMIUM	1000.0	995.20	99.5
COBALT	1000.0	1002.06	100.2
IRON	20000.0	20066.03	100.3
LEAD	1000.0	1072.82	107.3
MAGNESIUM	50000.0	49654.80	99.3
SELENIUM	1000.0	1064.70	106.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICV

File: ATE27A May 27, 2003 15:44

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19788.65	98.9
ANTIMONY	600.0	582.78	97.1
ARSENIC	600.0	615.08	102.5
CALCIUM	20000.0	21018.65	105.1
CHROMIUM	500.0	486.51	97.3
COBALT	500.0	481.85	96.4
IRON	20000.0	20933.75	104.7
LEAD	550.0	548.51	99.7
MAGNESIUM	20000.0	21021.55	105.1
SELENIUM	550.0	518.68	94.3

SAMPLE: CCV

File: ATE27A May 27, 2003 16:24

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49017.71	98.0
ANTIMONY	1000.0	981.85	98.2
ARSENIC	1000.0	958.84	95.9
CALCIUM	50000.0	49285.12	98.6
CHROMIUM	1000.0	1029.88	103.0
COBALT	1000.0	1006.97	100.7
IRON	20000.0	20445.13	102.2
LEAD	1000.0	980.09	98.0
MAGNESIUM	50000.0	51325.09	102.7
SELENIUM	1000.0	990.42	99.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: ATE27A May 27, 2003 17:46

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48768.53	97.5
ANTIMONY	1000.0	1035.33	103.5
ARSENIC	1000.0	1064.51	106.5
CALCIUM	50000.0	51668.28	103.3
CHROMIUM	1000.0	1019.87	102.0
COBALT	1000.0	1033.65	103.4
IRON	20000.0	20574.54	102.9
LEAD	1000.0	1055.68	105.6
MAGNESIUM	50000.0	51559.36	103.1
SELENIUM	1000.0	1036.46	103.6

SAMPLE: CCV

File: ATE27A May 27, 2003 19:06

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49306.13	98.6
ANTIMONY	1000.0	1035.85	103.6
ARSENIC	1000.0	1061.95	106.2
CALCIUM	50000.0	51633.87	103.3
CHROMIUM	1000.0	1027.03	102.7
COBALT	1000.0	1037.98	103.8
IRON	20000.0	20633.76	103.2
LEAD	1000.0	1049.31	104.9
MAGNESIUM	50000.0	51892.16	103.8
SELENIUM	1000.0	1032.22	103.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: ATE27A May 27, 2003 20:27

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49315.83	98.6
ANTIMONY	1000.0	1048.12	104.8
ARSENIC	1000.0	1073.90	107.4
CALCIUM	50000.0	52017.44	104.0
CHROMIUM	1000.0	1035.73	103.6
COBALT	1000.0	1051.54	105.2
IRON	20000.0	20796.74	104.0
LEAD	1000.0	1068.09	106.8
MAGNESIUM	50000.0	52153.42	104.3
SELENIUM	1000.0	1047.81	104.8

SAMPLE: CCV

File: ATE27A May 27, 2003 21:47

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49315.68	98.6
ANTIMONY	1000.0	1020.89	102.1
ARSENIC	1000.0	1035.44	103.5
CALCIUM	50000.0	50953.50	101.9
CHROMIUM	1000.0	1024.26	102.4
COBALT	1000.0	1034.14	103.4
IRON	20000.0	20436.74	102.2
LEAD	1000.0	1032.31	103.2
MAGNESIUM	50000.0	51741.30	103.5
SELENIUM	1000.0	1015.81	101.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: ATE27A May 27, 2003 23:08

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49949.85	99.9
ANTIMONY	1000.0	1038.95	103.9
ARSENIC	1000.0	1062.83	106.3
CALCIUM	50000.0	52189.75	104.4
CHROMIUM	1000.0	1046.45	104.6
COBALT	1000.0	1065.71	106.6
IRON	20000.0	20850.34	104.3
LEAD	1000.0	1057.83	105.8
MAGNESIUM	50000.0	52673.88	105.3
SELENIUM	1000.0	1036.41	103.6

SAMPLE: CCV

File: ATE27A May 27, 2003 23:42

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50138.29	100.3
ANTIMONY	1000.0	1037.10	103.7
ARSENIC	1000.0	1058.88	105.9
CALCIUM	50000.0	52210.31	104.4
CHROMIUM	1000.0	1052.20	105.2
COBALT	1000.0	1063.80	106.4
IRON	20000.0	20957.38	104.8
LEAD	1000.0	1058.31	105.8
MAGNESIUM	50000.0	52764.96	105.5
SELENIUM	1000.0	1041.20	104.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICV

File: ATF03B Jun 03, 2003 12:46

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19491.32	97.5
ARSENIC	600.0	621.61	103.6
CALCIUM	20000.0	21080.32	105.4
IRON	20000.0	20861.52	104.3
MAGNESIUM	20000.0	20962.32	104.8

SAMPLE: CCV

File: ATF03B Jun 03, 2003 13:27

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47841.04	95.7
ARSENIC	1000.0	1047.31	104.7
CALCIUM	50000.0	50801.67	101.6
IRON	20000.0	20202.15	101.0
MAGNESIUM	50000.0	50797.32	101.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: ATF03B Jun 03, 2003 15:10

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48287.50	96.6
ARSENIC	1000.0	1036.97	103.7
CALCIUM	50000.0	50937.77	101.9
IRON	20000.0	20263.05	101.3
MAGNESIUM	50000.0	51275.00	102.6

SAMPLE: CCV

File: ATF03B Jun 03, 2003 16:32

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47887.54	95.8
ARSENIC	1000.0	1022.05	102.2
CALCIUM	50000.0	50309.79	100.6
IRON	20000.0	20061.14	100.3
MAGNESIUM	50000.0	50807.28	101.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: ATF03B Jun 03, 2003 17:52

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48315.05	96.6
ARSENIC	1000.0	1022.83	102.3
CALCIUM	50000.0	50509.97	101.0
IRON	20000.0	20162.73	100.8
MAGNESIUM	50000.0	50993.37	102.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICV

File: ATF11A Jun 11, 2003 9:50

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18636.53	93.2
ARSENIC	600.0	589.98	98.3
CALCIUM	20000.0	20100.98	100.5
IRON	20000.0	20189.00	100.9
MAGNESIUM	20000.0	20867.66	104.3

SAMPLE: CCV

File: ATF11A Jun 11, 2003 10:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48424.53	96.8
ARSENIC	1000.0	988.83	98.9
CALCIUM	50000.0	49888.39	99.8
IRON	20000.0	20027.28	100.1
MAGNESIUM	50000.0	50551.04	101.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: ATF11A Jun 11, 2003 11:52

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49361.54	98.7
ARSENIC	1000.0	1013.19	101.3
CALCIUM	50000.0	51210.60	102.4
IRON	20000.0	20440.30	102.2
MAGNESIUM	50000.0	51770.14	103.5

SAMPLE: CCV

File: ATF11A Jun 11, 2003 13:12

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50125.77	100.3
ARSENIC	1000.0	985.97	98.6
CALCIUM	50000.0	51501.85	103.0
IRON	20000.0	20786.97	103.9
MAGNESIUM	50000.0	52751.12	105.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: ATF11A Jun 11, 2003 14:12

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49684.66	99.4
ARSENIC	1000.0	980.99	98.1
CALCIUM	50000.0	50855.89	101.7
IRON	20000.0	20621.13	103.1
MAGNESIUM	50000.0	52128.14	104.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICV

File: BTE22C May 22, 2003 17:15

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20377.38	101.9
BARIUM	500.0	500.19	100.0
BERYLLIUM	500.0	498.33	99.7
CADMIUM	1250.0	1219.83	97.6
CALCIUM	20000.0	20415.01	102.1
COPPER	500.0	468.70	93.7
IRON	20000.0	20841.11	104.2
MAGNESIUM	20000.0	19769.79	98.8
MANGANESE	500.0	515.43	103.1
NICKEL	1000.0	1009.13	100.9
POTASSIUM	20000.0	18442.65	92.2
SILVER	200.0	191.23	95.6
SODIUM	20000.0	19034.08	95.2
VANADIUM	500.0	491.74	98.3
ZINC	1000.0	961.09	96.1

SAMPLE: CCV

File: BTE22C May 22, 2003 17:50

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50432.84	100.9
BARIUM	1000.0	1012.47	101.2
BERYLLIUM	1000.0	1037.29	103.7
CADMIUM	1000.0	1023.16	102.3
CALCIUM	50000.0	52210.94	104.4
COPPER	1000.0	998.24	99.8
IRON	20000.0	20710.57	103.6
MAGNESIUM	50000.0	50857.23	101.7
MANGANESE	1000.0	1050.45	105.0
NICKEL	1000.0	1048.75	104.9
POTASSIUM	50000.0	48624.17	97.2
SILVER	250.0	256.69	102.7
SODIUM	50000.0	47293.67	94.6
VANADIUM	1000.0	1024.19	102.4
ZINC	1000.0	1018.85	101.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTE22C May 22, 2003 18:58

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50694.42	101.4
BARIUM	1000.0	1022.13	102.2
BERYLLIUM	1000.0	1044.32	104.4
CADMIUM	1000.0	1019.22	101.9
CALCIUM	50000.0	51885.02	103.8
COPPER	1000.0	1006.96	100.7
IRON	20000.0	20683.37	103.4
MAGNESIUM	50000.0	50902.51	101.8
MANGANESE	1000.0	1049.51	105.0
NICKEL	1000.0	1027.97	102.8
POTASSIUM	50000.0	48364.69	96.7
SILVER	250.0	252.91	101.2
SODIUM	50000.0	47921.78	95.8
VANADIUM	1000.0	1026.08	102.6
ZINC	1000.0	1015.22	101.5

SAMPLE: CCV

File: BTE22C May 22, 2003 20:05

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50660.65	101.3
BARIUM	1000.0	1019.24	101.9
BERYLLIUM	1000.0	1034.85	103.5
CADMIUM	1000.0	1019.91	102.0
CALCIUM	50000.0	51311.77	102.6
COPPER	1000.0	1005.67	100.6
IRON	20000.0	20550.67	102.8
MAGNESIUM	50000.0	50773.95	101.5
MANGANESE	1000.0	1042.29	104.2
NICKEL	1000.0	1023.47	102.3
POTASSIUM	50000.0	48724.22	97.4
SILVER	250.0	250.80	100.3
SODIUM	50000.0	47560.22	95.1
VANADIUM	1000.0	1021.00	102.1
ZINC	1000.0	1008.57	100.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTE22C May 22, 2003 21:13

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50914.32	101.8
BARIUM	1000.0	1025.69	102.6
BERYLLIUM	1000.0	1032.51	103.3
CADMIUM	1000.0	1002.04	100.2
CALCIUM	50000.0	50337.22	100.7
COPPER	1000.0	1013.39	101.3
IRON	20000.0	20442.04	102.2
MAGNESIUM	50000.0	50770.55	101.5
MANGANESE	1000.0	1032.53	103.3
NICKEL	1000.0	1015.60	101.6
POTASSIUM	50000.0	49277.93	98.6
SILVER	250.0	251.42	100.6
SODIUM	50000.0	48022.96	96.0
VANADIUM	1000.0	1016.95	101.7
ZINC	1000.0	1002.15	100.2

SAMPLE: CCV

File: BTE22C May 22, 2003 22:21

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50983.30	102.0
BARIUM	1000.0	1029.16	102.9
BERYLLIUM	1000.0	1031.07	103.1
CADMIUM	1000.0	1012.57	101.3
CALCIUM	50000.0	50302.95	100.6
COPPER	1000.0	1015.90	101.6
IRON	20000.0	20336.46	101.7
MAGNESIUM	50000.0	50810.58	101.6
MANGANESE	1000.0	1032.09	103.2
NICKEL	1000.0	996.29	99.6
POTASSIUM	50000.0	49330.07	98.7
SILVER	250.0	250.78	100.3
SODIUM	50000.0	47861.34	95.7
VANADIUM	1000.0	1019.57	102.0
ZINC	1000.0	1002.31	100.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTE22C May 22, 2003 23:28

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51206.58	102.4
BARIUM	1000.0	1034.30	103.4
BERYLLIUM	1000.0	1033.02	103.3
CADMIUM	1000.0	1004.37	100.4
CALCIUM	50000.0	50168.52	100.3
COPPER	1000.0	1020.48	102.0
IRON	20000.0	20345.68	101.7
MAGNESIUM	50000.0	50871.01	101.7
MANGANESE	1000.0	1035.31	103.5
NICKEL	1000.0	1007.20	100.7
POTASSIUM	50000.0	49028.53	98.1
SILVER	250.0	253.21	101.3
SODIUM	50000.0	47852.14	95.7
VANADIUM	1000.0	1019.74	102.0
ZINC	1000.0	1001.71	100.2

SAMPLE: CCV

File: BTE22C May 23, 2003 0:36

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51498.20	103.0
BARIUM	1000.0	1038.88	103.9
BERYLLIUM	1000.0	1039.22	103.9
CADMIUM	1000.0	1009.16	100.9
CALCIUM	50000.0	50319.32	100.6
COPPER	1000.0	1026.81	102.7
IRON	20000.0	20503.73	102.5
MAGNESIUM	50000.0	51238.56	102.5
MANGANESE	1000.0	1040.76	104.1
NICKEL	1000.0	1018.02	101.8
POTASSIUM	50000.0	49686.88	99.4
SILVER	250.0	254.99	102.0
SODIUM	50000.0	48529.83	97.1
VANADIUM	1000.0	1029.69	103.0
ZINC	1000.0	1006.60	100.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICV

File: BTE24A May 24, 2003 15:21

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20593.80	103.0
BARIUM	500.0	503.79	100.8
BERYLLIUM	500.0	498.72	99.7
CADMIUM	1250.0	1224.48	98.0
CALCIUM	20000.0	20356.18	101.8
COPPER	500.0	474.98	95.0
IRON	20000.0	21056.74	105.3
MAGNESIUM	20000.0	19955.15	99.8
MANGANESE	500.0	505.70	101.1
NICKEL	1000.0	1014.80	101.5
POTASSIUM	20000.0	19196.72	96.0
SILVER	200.0	191.88	95.9
SODIUM	20000.0	20271.42	101.4
VANADIUM	500.0	493.00	98.6
ZINC	1000.0	968.31	96.8

SAMPLE: CCV

File: BTE24A May 24, 2003 15:55

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50634.98	101.3
BARIUM	1000.0	1017.62	101.8
BERYLLIUM	1000.0	1032.08	103.2
CADMIUM	1000.0	1016.58	101.7
CALCIUM	50000.0	51825.05	103.7
COPPER	1000.0	1008.00	100.8
IRON	20000.0	20905.38	104.5
MAGNESIUM	50000.0	50749.20	101.5
MANGANESE	1000.0	1014.24	101.4
NICKEL	1000.0	1038.00	103.8
POTASSIUM	50000.0	49232.61	98.5
SILVER	250.0	254.96	102.0
SODIUM	50000.0	50382.00	100.8
VANADIUM	1000.0	1020.67	102.1
ZINC	1000.0	1019.04	101.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTE24A May 24, 2003 17:03

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50659.48	101.3
BARIUM	1000.0	1014.94	101.5
BERYLLIUM	1000.0	1030.61	103.1
CADMIUM	1000.0	1029.31	102.9
CALCIUM	50000.0	51998.32	104.0
COPPER	1000.0	1014.76	101.5
IRON	20000.0	20830.72	104.2
MAGNESIUM	50000.0	50797.37	101.6
MANGANESE	1000.0	1017.85	101.8
NICKEL	1000.0	1044.29	104.4
POTASSIUM	50000.0	50155.80	100.3
SILVER	250.0	258.04	103.2
SODIUM	50000.0	51897.00	103.8
VANADIUM	1000.0	1026.07	102.6
ZINC	1000.0	1025.62	102.6

SAMPLE: CCV

File: BTE24A May 24, 2003 18:10

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50660.66	101.3
BARIUM	1000.0	1014.00	101.4
BERYLLIUM	1000.0	1021.79	102.2
CADMIUM	1000.0	1023.59	102.4
CALCIUM	50000.0	51906.20	103.8
COPPER	1000.0	1014.25	101.4
IRON	20000.0	20754.53	103.8
MAGNESIUM	50000.0	50789.95	101.6
MANGANESE	1000.0	1015.03	101.5
NICKEL	1000.0	1016.95	101.7
POTASSIUM	50000.0	50207.37	100.4
SILVER	250.0	257.46	103.0
SODIUM	50000.0	51260.84	102.5
VANADIUM	1000.0	1023.99	102.4
ZINC	1000.0	1027.40	102.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTE24A May 24, 2003 19:18

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50655.86	101.3
BARIUM	1000.0	1017.87	101.8
BERYLLIUM	1000.0	1016.13	101.6
CADMIUM	1000.0	1005.24	100.5
CALCIUM	50000.0	50637.00	101.3
COPPER	1000.0	1016.12	101.6
IRON	20000.0	20479.25	102.4
MAGNESIUM	50000.0	50662.89	101.3
MANGANESE	1000.0	1002.43	100.2
NICKEL	1000.0	1017.39	101.7
POTASSIUM	50000.0	49525.76	99.1
SILVER	250.0	254.98	102.0
SODIUM	50000.0	51290.35	102.6
VANADIUM	1000.0	1012.44	101.2
ZINC	1000.0	1010.69	101.1

SAMPLE: CCV

File: BTE24A May 24, 2003 20:26

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51038.47	102.1
BARIUM	1000.0	1024.93	102.5
BERYLLIUM	1000.0	1021.50	102.2
CADMIUM	1000.0	1014.79	101.5
CALCIUM	50000.0	50939.92	101.9
COPPER	1000.0	1024.08	102.4
IRON	20000.0	20608.67	103.0
MAGNESIUM	50000.0	51132.40	102.3
MANGANESE	1000.0	1016.84	101.7
NICKEL	1000.0	1016.10	101.6
POTASSIUM	50000.0	50472.43	100.9
SILVER	250.0	257.47	103.0
SODIUM	50000.0	51924.62	103.8
VANADIUM	1000.0	1021.53	102.2
ZINC	1000.0	1021.90	102.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTE24A May 24, 2003 21:33

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51088.31	102.2
BARIUM	1000.0	1021.58	102.2
BERYLLIUM	1000.0	1018.97	101.9
CADMIUM	1000.0	1015.27	101.5
CALCIUM	50000.0	50866.10	101.7
COPPER	1000.0	1021.41	102.1
IRON	20000.0	20511.93	102.6
MAGNESIUM	50000.0	51114.05	102.2
MANGANESE	1000.0	1014.47	101.4
NICKEL	1000.0	1006.64	100.7
POTASSIUM	50000.0	50469.57	100.9
SILVER	250.0	259.09	103.6
SODIUM	50000.0	51489.04	103.0
VANADIUM	1000.0	1024.87	102.5
ZINC	1000.0	1019.29	101.9

SAMPLE: CCV

File: BTE24A May 24, 2003 22:01

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51367.34	102.7
BARIUM	1000.0	1031.63	103.2
BERYLLIUM	1000.0	1023.76	102.4
CADMIUM	1000.0	1008.19	100.8
CALCIUM	50000.0	50513.16	101.0
COPPER	1000.0	1032.13	103.2
IRON	20000.0	20616.31	103.1
MAGNESIUM	50000.0	51299.48	102.6
MANGANESE	1000.0	1014.00	101.4
NICKEL	1000.0	1002.82	100.3
POTASSIUM	50000.0	50605.55	101.2
SILVER	250.0	257.86	103.1
SODIUM	50000.0	51973.31	103.9
VANADIUM	1000.0	1025.19	102.5
ZINC	1000.0	1014.57	101.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICV

File: BTF02B Jun 02, 2003 12:45

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20511.32	102.6
CALCIUM	20000.0	20540.88	102.7
IRON	20000.0	21059.10	105.3
MAGNESIUM	20000.0	19868.69	99.3

SAMPLE: CCV

File: BTF02B Jun 02, 2003 13:19

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49458.20	98.9
CALCIUM	50000.0	49841.14	99.7
IRON	20000.0	20473.25	102.4
MAGNESIUM	50000.0	49714.83	99.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTF02B Jun 02, 2003 14:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49454.23	98.9
CALCIUM	50000.0	50139.74	100.3
IRON	20000.0	20496.18	102.5
MAGNESIUM	50000.0	49785.70	99.6

SAMPLE: CCV

File: BTF02B Jun 02, 2003 15:37

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50043.02	100.1
CALCIUM	50000.0	50229.31	100.5
IRON	20000.0	20454.71	102.3
MAGNESIUM	50000.0	50022.44	100.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTF02B Jun 02, 2003 16:45

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49722.75	99.4
CALCIUM	50000.0	50715.12	101.4
IRON	20000.0	20590.55	103.0
MAGNESIUM	50000.0	49854.25	99.7

SAMPLE: CCV

File: BTF02B Jun 02, 2003 17:53

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50549.41	101.1
CALCIUM	50000.0	51550.65	103.1
IRON	20000.0	20900.56	104.5
MAGNESIUM	50000.0	50673.59	101.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTF02B Jun 02, 2003 19:00

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50959.24	101.9
CALCIUM	50000.0	50895.88	101.8
IRON	20000.0	20747.02	103.7
MAGNESIUM	50000.0	50969.81	101.9

SAMPLE: CCV

File: BTF02B Jun 02, 2003 20:08

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49592.59	99.2
CALCIUM	50000.0	52628.91	105.3
IRON	20000.0	21049.50	105.2
MAGNESIUM	50000.0	50076.69	100.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICV

File: BTF05A Jun 05, 2003 15:55

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	22162.23	110.8 * ok
CALCIUM	20000.0	22706.25	113.5 * ok
IRON	20000.0	22032.60	110.2 ok
MAGNESIUM	20000.0	22780.36	113.9 * ok
MANGANESE	500.0	513.69	102.7
POTASSIUM	20000.0	19506.11	97.5
SODIUM	20000.0	19445.17	97.2

SAMPLE: CCV

File: BTF05A Jun 05, 2003 16:29

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48970.77	97.9
CALCIUM	50000.0	51473.88	102.9
IRON	20000.0	20551.14	102.8
MAGNESIUM	50000.0	49442.00	98.9
MANGANESE	1000.0	1030.47	103.0
POTASSIUM	50000.0	47917.27	95.8
SODIUM	50000.0	47166.08	94.3

OK- Only Mn, K & Na reported from this analytical run. EuF 7/25/03

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTF05A Jun 05, 2003 17:36

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49482.28	99.0
CALCIUM	50000.0	49658.11	99.3
IRON	20000.0	20340.10	101.7
MAGNESIUM	50000.0	49383.67	98.8
MANGANESE	1000.0	1002.29	100.2
POTASSIUM	50000.0	48171.76	96.3
SODIUM	50000.0	48960.89	97.9

SAMPLE: CCV

File: BTF05A Jun 05, 2003 18:44

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49361.50	98.7
CALCIUM	50000.0	49882.73	99.8
IRON	20000.0	20358.71	101.8
MAGNESIUM	50000.0	49423.68	98.8
MANGANESE	1000.0	1011.77	101.2
POTASSIUM	50000.0	48680.91	97.4
SODIUM	50000.0	48954.42	97.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTF05A Jun 05, 2003 19:52

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49179.43	98.4
CALCIUM	50000.0	50173.62	100.3
IRON	20000.0	20434.59	102.2
MAGNESIUM	50000.0	49261.42	98.5
MANGANESE	1000.0	1012.04	101.2
POTASSIUM	50000.0	48893.16	97.8
SODIUM	50000.0	49154.31	98.3

SAMPLE: CCV

File: BTF05A Jun 05, 2003 20:59

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49654.16	99.3
CALCIUM	50000.0	53100.51	106.2
IRON	20000.0	21121.31	105.6
MAGNESIUM	50000.0	50210.54	100.4
MANGANESE	1000.0	1048.57	104.9
POTASSIUM	50000.0	47150.06	94.3
SODIUM	50000.0	47409.35	94.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: BTF05A Jun 05, 2003 22:07

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50176.12	100.4
CALCIUM	50000.0	51796.76	103.6
IRON	20000.0	20885.70	104.4
MAGNESIUM	50000.0	50349.83	100.7
MANGANESE	1000.0	1044.68	104.5
POTASSIUM	50000.0	48135.49	96.3
SODIUM	50000.0	48270.46	96.5

SAMPLE: CCV

File: BTF05A Jun 05, 2003 23:15

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50051.90	100.1
CALCIUM	50000.0	51127.65	102.3
IRON	20000.0	20778.55	103.9
MAGNESIUM	50000.0	50180.66	100.4
MANGANESE	1000.0	1035.65	103.6
POTASSIUM	50000.0	49385.15	98.8
SODIUM	50000.0	49903.12	99.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICV

File: DTF04B Jun 04, 2003 15:25

Analyte	True	Found	%R (1)
MERCURY	6.0	5.91	98.5

SAMPLE: CCV

File: DTF04B Jun 04, 2003 16:02

Analyte	True	Found	%R (1)
MERCURY	5.0	4.92	98.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: DTF04B Jun 04, 2003 16:39

Analyte	True	Found	%R (1)
MERCURY	5.0	4.97	99.4

SAMPLE: CCV

File: DTF04B Jun 04, 2003 17:16

Analyte	True	Found	%R (1)
MERCURY	5.0	4.95	99.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICV

File: FTF09B Jun 09, 2003 15:31

Analyte	True	Found	%R (1)
ALUMINUM	400.0	406.10	101.5
CALCIUM	4000.0	4170.00	104.3
IRON	4000.0	4227.00	105.7
MAGNESIUM	4000.0	4138.00	103.5
MOLYBDENUM	40.0	40.64	101.6
POTASSIUM	4000.0	4201.00	105.0
SODIUM	4000.0	4101.00	102.5
THALLIUM	20.0	19.75	98.8

SAMPLE: CCV

File: FTF09B Jun 09, 2003 16:40

Analyte	True	Found	%R (1)
ALUMINUM	500.0	496.00	99.2
CALCIUM	5000.0	4964.00	99.3
IRON	5000.0	4822.00	96.4
MAGNESIUM	5000.0	5015.00	100.3
MOLYBDENUM	25.0	24.68	98.7
POTASSIUM	5000.0	4974.00	99.5
SODIUM	5000.0	4997.00	99.9
THALLIUM	25.0	24.54	98.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: FTF09B Jun 09, 2003 18:13

Analyte	True	Found	%R (1)
ALUMINUM	500.0	502.00	100.4
CALCIUM	5000.0	5156.00	103.1
IRON	5000.0	5082.00	101.6
MAGNESIUM	5000.0	5067.00	101.3
MOLYBDENUM	25.0	25.88	103.5
POTASSIUM	5000.0	5083.00	101.7
SODIUM	5000.0	5101.00	102.0
THALLIUM	25.0	25.19	100.8

SAMPLE: CCV

File: FTF09B Jun 09, 2003 19:47

Analyte	True	Found	%R (1)
ALUMINUM	500.0	527.40	105.5
CALCIUM	5000.0	5189.00	103.8
IRON	5000.0	5086.00	101.7
MAGNESIUM	5000.0	5153.00	103.1
MOLYBDENUM	25.0	25.12	100.5
POTASSIUM	5000.0	5199.00	104.0
SODIUM	5000.0	5104.00	102.1
THALLIUM	25.0	25.40	101.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: FTF09B Jun 09, 2003 21:20

Analyte	True	Found	%R (1)
ALUMINUM	500.0	512.10	102.4
CALCIUM	5000.0	5126.00	102.5
IRON	5000.0	5053.00	101.1
MAGNESIUM	5000.0	5148.00	103.0
MOLYBDENUM	25.0	25.44	101.8
POTASSIUM	5000.0	5049.00	101.0
SODIUM	5000.0	5042.00	100.8
THALLIUM	25.0	24.85	99.4

SAMPLE: CCV

File: FTF09B Jun 09, 2003 22:45

Analyte	True	Found	%R (1)
ALUMINUM	500.0	498.90	99.8
CALCIUM	5000.0	5026.00	100.5
IRON	5000.0	5030.00	100.6
MAGNESIUM	5000.0	4940.00	98.8
MOLYBDENUM	25.0	25.32	101.3
POTASSIUM	5000.0	5000.00	100.0
SODIUM	5000.0	4867.00	97.3
THALLIUM	25.0	24.64	98.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCV

File: FTF09B Jun 09, 2003 23:32

Analyte	True	Found	%R (1)
ALUMINUM	500.0	516.30	103.3
CALCIUM	5000.0	5060.00	101.2
IRON	5000.0	4874.00	97.5
MAGNESIUM	5000.0	5091.00	101.8
MOLYBDENUM	25.0	25.08	100.3
POTASSIUM	5000.0	5092.00	101.8
SODIUM	5000.0	5094.00	101.9
THALLIUM	25.0	24.60	98.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CRI

File: ATE27A May 27, 2003 16:04

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	136.02	113.4
ARSENIC	20.0	23.83	119.2
CHROMIUM	20.0	22.69	113.5
COBALT	100.0	112.20	112.2
LEAD	6.0	7.03	117.2
SELENIUM	10.0	11.30	113.0

SAMPLE: CRI

File: ATE27A May 27, 2003 20:07

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	135.34	112.8
ARSENIC	20.0	23.18	115.9
CHROMIUM	20.0	22.46	112.3
COBALT	100.0	111.67	111.7
LEAD	6.0	7.31	121.8
SELENIUM	10.0	10.47	104.7

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CRI

File: ATE27A May 27, 2003 23:22

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	142.45	118.7
ARSENIC	20.0	23.07	115.3
CHROMIUM	20.0	23.43	117.2
COBALT	100.0	117.63	117.6
LEAD	6.0	7.70	128.3
SELENIUM	10.0	14.28	142.8

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CRI

File: ATF03B Jun 03, 2003 13:07

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	24.85	124.3

SAMPLE: CRI

File: ATF03B Jun 03, 2003 17:32

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	25.05	125.3

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CRI

File: ATF11A Jun 11, 2003 10:10

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	22.87	114.3

SAMPLE: CRI

File: ATF11A Jun 11, 2003 13:52

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	22.82	114.1

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CRI

File: BTE24A May 24, 2003 15:38

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.12	111.2
CADMIUM	10.0	11.04	110.4
COPPER	50.0	56.14	112.3
MANGANESE	30.0	33.86	112.9
NICKEL	80.0	100.26	125.3
SILVER	20.0	20.47	102.3
VANADIUM	100.0	111.57	111.6
ZINC	40.0	43.69	109.2

SAMPLE: CRI

File: BTE24A May 24, 2003 19:01

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.00	110.0
CADMIUM	10.0	14.12	141.2
COPPER	50.0	54.84	109.7
MANGANESE	30.0	33.81	112.7
NICKEL	80.0	90.76	113.5
SILVER	20.0	22.14	110.7
VANADIUM	100.0	111.48	111.5
ZINC	40.0	43.27	108.2

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CRI

File: BTE24A May 24, 2003 21:45

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.18	111.8
CADMIUM	10.0	13.17	131.7
COPPER	50.0	56.25	112.5
MANGANESE	30.0	34.05	113.5
NICKEL	80.0	98.64	123.3
SILVER	20.0	23.54	117.7
VANADIUM	100.0	113.17	113.2
ZINC	40.0	44.25	110.6

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CRI

File: BTF05A Jun 05, 2003 16:12

Analyte	TRUE	FOUND	% R
MANGANESE	30.0	40.35	134.5

SAMPLE: CRI

File: BTF05A Jun 05, 2003 19:35

Analyte	TRUE	FOUND	% R
MANGANESE	30.0	40.23	134.1

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CRI

File: BTF05A Jun 05, 2003 22:58

Analyte	TRUE	FOUND	% R
MANGANESE	30.0	41.13	137.1

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CRA

File: DTF04B Jun 04, 2003 15:32

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.18	90.0

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CRI

File: FTF09B Jun 09, 2003 16:09

Analyte	TRUE	FOUND	% R
THALLIUM	20.0	23.11	115.6

SAMPLE: CRI

File: FTF09B Jun 09, 2003 23:01

Analyte	TRUE	FOUND	% R
THALLIUM	20.0	22.92	114.6

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

SAMPLE: PQL

File: ATE27A May 27, 2003 15:57 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	187.10	62.4
ANTIMONY	8.0	7.33	91.6
ARSENIC	8.0	8.54	106.7
CALCIUM	50.0	82.85	165.7
CHROMIUM	15.0	15.93	106.2
COBALT	30.0	32.86	109.5
IRON	100.0	106.82	106.8
LEAD	5.0	4.51	90.2
MAGNESIUM	50.0	67.96	135.9
SELENIUM	10.0	9.28	92.8

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

SAMPLE: PQL

File: ATF11A Jun 11, 2003 10:04 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	262.93	87.6
ARSENIC	8.0	7.21	90.1
CALCIUM	50.0	59.07	118.1
IRON	100.0	106.19	106.2
MAGNESIUM	50.0	67.35	134.7

ok - only As reported from this analytical run. EMF 7/25/03

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

SAMPLE: PQL

File: BTE24A May 24, 2003 15:33 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	302.90	101.0
BARIUM	5.0	5.36	107.2
BERYLLIUM	5.0	4.93	98.6
CADMIUM	10.0	9.32	93.2
CALCIUM	50.0	56.33	112.7
COPPER	25.0	25.20	100.8
IRON	100.0	107.79	107.8
MAGNESIUM	50.0	43.15	86.3
MANGANESE	5.0	4.45	89.0
NICKEL	40.0	36.54	91.3
POTASSIUM	1000.0	979.67	98.0
SILVER	15.0	15.95	106.3
SODIUM	1000.0	991.27	99.1
VANADIUM	25.0	25.84	103.4
ZINC	25.0	27.32	109.3

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

SAMPLE: PQL

File: BTF02B Jun 02, 2003 12:56 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	291.40	97.1
CALCIUM	50.0	34.86	69.7
IRON	100.0	105.71	105.7
MAGNESIUM	50.0	41.56	83.1

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

SAMPLE: PQL

File: BTF05A Jun 05, 2003 16:06 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	285.21	95.1
CALCIUM	50.0	38.53	77.1
IRON	100.0	106.49	106.5
MAGNESIUM	50.0	55.08	110.2
MANGANESE	5.0	5.86	117.2
POTASSIUM	1000.0	919.30	91.9
SODIUM	1000.0	1013.71	101.4

ok - only Mn, K + Na reported from this analytical run. EWF 7/25/03

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

SAMPLE: PQL

File: FTF09B Jun 09, 2003 15:46 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	60.0	58.53	97.5
CALCIUM	20.0	20.05	100.3
IRON	20.0	21.87	109.4
MAGNESIUM	20.0	20.66	103.3
MOLYBDENUM	1.0	1.02	102.0
POTASSIUM	200.0	210.40	105.2
SODIUM	200.0	213.90	107.0
THALLIUM	0.4	0.43	107.5

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICB
File: ATE22A May 22, 2003 10:42

Analyte	Result	C
ALUMINUM	-67.08	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	29.54	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	-10.71	B
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	-2.71	B

SAMPLE: CCB
File: ATE22A May 22, 2003 11:22

Analyte	Result	C
ALUMINUM	44.46	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-13.02	B
CHROMIUM	-0.61	B
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

SAMPLE: CCB
File: ATE22A May 22, 2003 12:52

Analyte	Result	C
ALUMINUM	100.71	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-30.29	B
CHROMIUM	-0.61	B
COBALT	-0.73	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

No samples reported from this analytical run - blanks not used. EUF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB

File: ATE22A May 22, 2003 14:12

Analyte	Result	C
ALUMINUM	168.80	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-47.20	B
CHROMIUM	0.57	U
COBALT	-0.54	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

SAMPLE: CCB

File: ATE22A May 22, 2003 15:26

Analyte	Result	C
ALUMINUM	229.53	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-59.35	
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.19	B
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICB
File: ATE27A May 27, 2003 15:50

Analyte	Result	C
ALUMINUM	-192.27	B
ANTIMONY	1.87	B
ARSENIC	1.80	U
CALCIUM	~~69.72~~	
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	-1.69	B
MAGNESIUM	4.08	U
SELENIUM	2.10	U

SAMPLE: CCB
File: ATE27A May 27, 2003 16:31

Analyte	Result	C
ALUMINUM	-54.84	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	~~22.64~~	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	~~7.77~~	B
SELENIUM	2.10	U

SAMPLE: CCB
File: ATE27A May 27, 2003 17:53

Analyte	Result	C
ALUMINUM	~~64.60~~	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-18.10	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

* Al, Ca, Mg not reported from this analytical run.
EWF 7/25/03

FORM III (Part 1) - IN

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB
File: ATE27A May 27, 2003 19:13

Analyte	Result	C
ALUMINUM	15.74	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	13.43	B
LEAD	-1.12	B
MAGNESIUM	6.75	B
SELENIUM	2.76	B

SAMPLE: CCB
File: ATE27A May 27, 2003 20:34

Analyte	Result	C
ALUMINUM	67.28	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-17.79	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	10.86	B
LEAD	0.91	U
MAGNESIUM	9.80	B
SELENIUM	2.10	U

SAMPLE: CCB
File: ATE27A May 27, 2003 21:54

Analyte	Result	C
ALUMINUM	-122.64	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	39.01	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

Al, Ca, Fe, Mg not reported from this analytical run. EUF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB

File: ATE27A May 27, 2003 23:15

Analyte	Result	C
ALUMINUM	~~17.54~~	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-9.50	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	~~8.16~~	B
SELENIUM	2.10	U

SAMPLE: CCB

File: ATE27A May 27, 2003 23:48

Analyte	Result	C
ALUMINUM	-21.10	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	-0.93	B
MAGNESIUM	~~5.21~~	B
SELENIUM	2.10	U

See previous page. EWF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICB
File: ATF03B Jun 03, 2003 12:53

Analyte	Result	C
ALUMINUM	-25.21	B
ARSENIC	1.80	U
CALCIUM	7.06	U
IRON	9.31	U
MAGNESIUM	5.56	B

SAMPLE: CCB
File: ATF03B Jun 03, 2003 13:34

Analyte	Result	C
ALUMINUM	-21.36	B
ARSENIC	1.80	U
CALCIUM	7.06	U
IRON	9.31	U
MAGNESIUM	5.71	B

SAMPLE: CCB
File: ATF03B Jun 03, 2003 15:16

Analyte	Result	C
ALUMINUM	34.75	B
ARSENIC	1.80	U
CALCIUM	7.06	U
IRON	9.31	U
MAGNESIUM	7.87	B

No sample results reported from this analytical run. EUF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB

File: ATF03B Jun 03, 2003 16:38

Analyte	Result	C
ALUMINUM	-28.08	B
ARSENIC	1.80	U
CALCIUM	7.06	U
IRON	9.31	U
MAGNESIUM	6.08	B

SAMPLE: CCB

File: ATF03B Jun 03, 2003 17:59

Analyte	Result	C
ALUMINUM	-29.95	B
ARSENIC	2.33	B
CALCIUM	7.06	U
IRON	9.31	U
MAGNESIUM	6.45	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICB
File: ATF11A Jun 11, 2003 9:57

Analyte	Result	C
ALUMINUM	-51.60	B
ARSENIC	1.80	U
CALCIUM	~~15.87~~	B
IRON	9.31	U
MAGNESIUM	4.08	U

SAMPLE: CCB
File: ATF11A Jun 11, 2003 10:38

Analyte	Result	C
ALUMINUM	8.17	U
ARSENIC	-2.82	B
CALCIUM	7.06	U
IRON	9.31	U
MAGNESIUM	4.08	U

SAMPLE: CCB
File: ATF11A Jun 11, 2003 11:58

Analyte	Result	C
ALUMINUM	-60.47	B
ARSENIC	1.80	U
CALCIUM	~~24.43~~	B
IRON	9.31	U
MAGNESIUM	~~5.27~~	B

Only As reported from this analytical run.
EUF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB

File: ATF11A Jun 11, 2003 13:19

Analyte	Result	C
ALUMINUM	8.17	U
ARSENIC	1.80	U
CALCIUM	~~10.55~~	B
IRON	~~9.31~~	B
MAGNESIUM	~~8.28~~	B

SAMPLE: CCB

File: ATF11A Jun 11, 2003 14:19

Analyte	Result	C
ALUMINUM	~~45.66~~	B
ARSENIC	1.80	U
CALCIUM	7.06	U
IRON	9.31	U
MAGNESIUM	~~6.25~~	B

See previous page · EUF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICB
File: BTE22C May 22, 2003 17:21

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	21.73	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB
File: BTE22C May 22, 2003 17:56

Analyte	Result	C
ALUMINUM	66.17	B
BARIUM	0.48	U
BERYLLIUM	0.35	B
CADMIUM	3.66	U
CALCIUM	83.58	
COPPER	2.38	U
IRON	32.22	B
MAGNESIUM	86.06	
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	50.91	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB
File: BTE22C May 22, 2003 19:04

Analyte	Result	C
ALUMINUM	22.14	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	25.78	B
COPPER	2.38	U
IRON	11.10	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	40.20	B
VANADIUM	4.70	U
ZINC	1.34	U

No samples reported from this analytical run. EMF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB
File: BTE22C May 22, 2003 20:11

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	8.06	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	40.48	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB
File: BTE22C May 22, 2003 21:19

Analyte	Result	C
ALUMINUM	52.98	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	38.73	B
COPPER	2.38	U
IRON	22.30	B
MAGNESIUM	53.24	
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	25.70	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB
File: BTE22C May 22, 2003 22:26

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	33.90	B
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB

File: BTE22C May 22, 2003 23:34

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	30.39	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE22C May 23, 2003 0:42

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	-0.48	B
BERYLLIUM	0.36	B
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	11.71	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	29.78	B
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICB

File: BTE24A May 24, 2003 15:27

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.75	B
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE24A May 24, 2003 16:01

Analyte	Result	C
ALUMINUM	63.37	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	53.26	
COPPER	2.38	U
IRON	23.19	B
MAGNESIUM	53.69	
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	27.03	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE24A May 24, 2003 17:08

Analyte	Result	C
ALUMINUM	42.13	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	30.84	B
COPPER	2.38	U
IRON	9.36	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	20.20	B
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB
File: BTE24A May 24, 2003 18:16

Analyte	Result	C
ALUMINUM	26.84	B
BARIUM	0.48	B
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	9.18	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB
File: BTE24A May 24, 2003 19:24

Analyte	Result	C
ALUMINUM	40.09	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	39.43	B
COPPER	2.38	U
IRON	16.58	B
MAGNESIUM	41.27	B
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB
File: BTE24A May 24, 2003 20:31

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.49	B
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.25	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB

File: BTE24A May 24, 2003 21:39

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.49	B
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE24A May 24, 2003 22:07

Analyte	Result	C
ALUMINUM	30.42	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	25.67	B
COPPER	2.38	U
IRON	13.93	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICB

File: BTF02B Jun 02, 2003 12:51

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	-7.03	B
MAGNESIUM	28.20	U

SAMPLE: CCB

File: BTF02B Jun 02, 2003 13:25

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U

SAMPLE: CCB

File: BTF02B Jun 02, 2003 14:35

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB
File: BTF02B Jun 02, 2003 15:43

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U

SAMPLE: CCB
File: BTF02B Jun 02, 2003 16:51

Analyte	Result	C
ALUMINUM	~~27.60~~	B
CALCIUM	18.70	U
IRON	~~6.86~~	B
MAGNESIUM	28.20	U

SAMPLE: CCB
File: BTF02B Jun 02, 2003 17:58

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U

Only Ca + Mg reported from this analytical run. EMF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB

File: BTF02B Jun 02, 2003 19:06

Analyte	Result	C
ALUMINUM	-20.76	B
CALCIUM	-22.86	B
IRON	6.06	U
MAGNESIUM	28.20	U

SAMPLE: CCB

File: BTF02B Jun 02, 2003 20:14

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICB

File: BTF05A Jun 05, 2003 16:00

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
POTASSIUM	513.00	U
SODIUM	18.80	U

SAMPLE: CCB

File: BTF05A Jun 05, 2003 16:34

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
POTASSIUM	513.00	U
SODIUM	18.80	U

SAMPLE: CCB

File: BTF05A Jun 05, 2003 17:42

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	10.58	B
MAGNESIUM	31.54	B
MANGANESE	0.92	U
POTASSIUM	513.00	U
SODIUM	18.80	U

Only Mn, K + Na reported from this analytical run. EMF 7/15/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB
File: BTF05A Jun 05, 2003 18:50

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	~~10.22~~	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
POTASSIUM	513.00	U
SODIUM	18.80	U

SAMPLE: CCB
File: BTF05A Jun 05, 2003 19:57

Analyte	Result	C
ALUMINUM	~~39.19~~	B
CALCIUM	~~23.26~~	B
IRON	~~14.83~~	B
MAGNESIUM	~~51.15~~	
MANGANESE	0.92	U
POTASSIUM	513.00	U
SODIUM	19.43	B

SAMPLE: CCB
File: BTF05A Jun 05, 2003 21:05

Analyte	Result	C
ALUMINUM	-27.74	B
CALCIUM	-19.11	B
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
POTASSIUM	513.00	U
SODIUM	18.80	U

See previous page. EWF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB

File: BTF05A Jun 05, 2003 22:13

Analyte	Result	C
ALUMINUM	-23.96	B
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
POTASSIUM	513.00	U
SODIUM	18.80	U

SAMPLE: CCB

File: BTF05A Jun 05, 2003 23:20

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
POTASSIUM	513.00	U
SODIUM	18.80	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICB

File: DTF04B Jun 04, 2003 15:29

Analyte	Result	C
MERCURY	0.03	U

SAMPLE: CCB

File: DTF04B Jun 04, 2003 16:06

Analyte	Result	C
MERCURY	-0.10	B

SAMPLE: CCB

File: DTF04B Jun 04, 2003 16:43

Analyte	Result	C
MERCURY	-0.04	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB

File: DTF04B Jun 04, 2003 17:19

Analyte	Result	C
MERCURY	-0.07	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICB
File: FTF09B Jun 09, 2003 15:38

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	1.14	U
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	2.31	U
THALLIUM	0.09	B

SAMPLE: CCB
File: FTF09B Jun 09, 2003 16:48

Analyte	Result	C
ALUMINUM	~~2.99~~	B
CALCIUM	~~3.20~~	B
IRON	~~5.09~~	B
MAGNESIUM	~~4.03~~	B
MOLYBDENUM	0.21	U
POTASSIUM	~~9.15~~	B
SODIUM	2.31	U
THALLIUM	0.02	B

SAMPLE: CCB
File: FTF09B Jun 09, 2003 18:21

Analyte	Result	C
ALUMINUM	~~2.19~~	B
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	~~3.70~~	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-2.90	B
THALLIUM	0.04	B

Only Tl reported from this analytical run. EMF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB
File: FTF09B Jun 09, 2003 19:54

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	~~2.19~~	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	~~-8.38~~	B
THALLIUM	0.07	B

SAMPLE: CCB
File: FTF09B Jun 09, 2003 21:28

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	~~2.73~~	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-4.00	B
THALLIUM	0.10	B

SAMPLE: CCB
File: FTF09B Jun 09, 2003 22:53

Analyte	Result	C
ALUMINUM	~~1.09~~	B
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	~~3.53~~	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-4.24	B
THALLIUM	0.07	B

See previous page.
EMF 7/25/03

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: CCB

File: FTF09B Jun 09, 2003 23:40

Analyte	Result	C
ALUMINUM	~~1.28~~	B
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	~~1.95~~	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-3.10	B
THALLIUM	0.03	B

See page 4000106. EUF 7/23/03

FORM III (Part 1) - IN

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTE20ICW3

Matrix: WATER **SDG Name:** CTO287-3

QC Batch ID: TE20ICW3

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	20.200	U
ANTIMONY	1.330	U
ARSENIC	1.800	U
BARIUM	0.480	U
BERYLLIUM	0.310	U
CADMIUM	3.660	U
CALCIUM	18.700	U
CHROMIUM	0.570	U
COBALT	-0.630	B
COPPER	2.380	U
IRON	6.060	U
LEAD	1.100	B
MAGNESIUM	28.200	U
MANGANESE	0.920	U
NICKEL	11.700	U
POTASSIUM	513.000	U
SELENIUM	2.100	U
SILVER	4.780	U
SODIUM	28.800	B
THALLIUM	0.192	B
VANADIUM	4.700	U
ZINC	1.510	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTE22ICW0

Matrix: WATER **SDG Name:** CTO287-3

QC Batch ID: TE22ICW0

Concentration Units : ug/L

Analyte	RESULT	C
ARSENIC	1.800	U
CALCIUM	18.700	U
MAGNESIUM	28.200	U
MANGANESE	0.920	U
POTASSIUM	513.000	U
SODIUM	31.110	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTE29ICW0

Matrix: WATER **SDG Name:** CTO287-3

QC Batch ID: TE29ICW0

Concentration Units : ug/L

Analyte	RESULT	C
ARSENIC	1.800	U
CALCIUM	-24.460	B
MAGNESIUM	28.200	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTF04HGW0

Matrix: WATER **SDG Name:** CTO287-3

QC Batch ID: TF04HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	-0.095	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTF04ICW0

Matrix: WATER **SDG Name:** CTO287-3

QC Batch ID: TF04ICW0

Concentration Units : ug/L

Analyte	RESULT	C
MANGANESE	0.920	U
POTASSIUM	-517.950	B
SODIUM	30.910	B

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE27A May 27, 2003 16:10

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	504070	100.8
ANTIMONY	0	1	
ARSENIC	0	0	
CALCIUM	500000	507272	101.5
CHROMIUM	0	1	
COBALT	0	2	
IRON	200000	205064	102.5
LEAD	5	3	
MAGNESIUM	500000	526261	105.3
SELENIUM	0	-5	

SAMPLE: ICSAB

File: ATE27A May 27, 2003 16:17

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	500527	100.1
ANTIMONY	600	623	103.8
ARSENIC	100	102	102.0
CALCIUM	500000	497894	99.6
CHROMIUM	500	483	96.6
COBALT	500	471	94.2
IRON	200000	201550	100.8
LEAD	54	54	100.0
MAGNESIUM	500000	517658	103.5
SELENIUM	50	41	82.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE27A May 27, 2003 20:14

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	509911	102.0
ANTIMONY	0	1	
ARSENIC	0	2	
CALCIUM	500000	496554	99.3
CHROMIUM	0	1	
COBALT	0	1	
IRON	200000	202685	101.3
LEAD	5	4	
MAGNESIUM	500000	526109	105.2
SELENIUM	0	-5	

SAMPLE: ICSAB

File: ATE27A May 27, 2003 20:20

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	508000	101.6
ANTIMONY	600	632	105.3
ARSENIC	100	104	104.0
CALCIUM	500000	498406	99.7
CHROMIUM	500	488	97.6
COBALT	500	478	95.6
IRON	200000	202951	101.5
LEAD	54	55	101.9
MAGNESIUM	500000	522630	104.5
SELENIUM	50	41	82.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE27A May 27, 2003 23:28

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	512843	102.6
ANTIMONY	0	-1	
ARSENIC	0	0	
CALCIUM	500000	509035	101.8
CHROMIUM	0	1	
COBALT	0	1	
IRON	200000	205631	102.8
LEAD	5	4	
MAGNESIUM	500000	532088	106.4
SELENIUM	0	-5	

SAMPLE: ICSAB

File: ATE27A May 27, 2003 23:35

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	510249	102.0
ANTIMONY	600	628	104.7
ARSENIC	100	107	107.0
CALCIUM	500000	504988	101.0
CHROMIUM	500	495	99.0
COBALT	500	486	97.2
IRON	200000	204329	102.2
LEAD	54	55	101.9
MAGNESIUM	500000	527151	105.4
SELENIUM	50	44	88.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: ATF11A Jun 11, 2003 10:17

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	502157	100.4
ARSENIC	0	0	
CALCIUM	500000	496037	99.2
IRON	200000	196775	98.4
MAGNESIUM	500000	513798	102.8

SAMPLE: ICSAB

File: ATF11A Jun 11, 2003 10:24

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	502093	100.4
ARSENIC	100	101	101.0
CALCIUM	500000	498047	99.6
IRON	200000	197114	98.6
MAGNESIUM	500000	513022	102.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: ATF11A Jun 11, 2003 13:59

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	515496	103.1
ARSENIC	0	1	
CALCIUM	500000	505853	101.2
IRON	200000	201881	100.9
MAGNESIUM	500000	528026	105.6

SAMPLE: ICSAB

File: ATF11A Jun 11, 2003 14:05

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	514023	102.8
ARSENIC	100	96	96.0
CALCIUM	500000	493229	98.6
IRON	200000	201872	100.9
MAGNESIUM	500000	524243	104.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE24A May 24, 2003 15:44

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	507350	101.5
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	-2	
CALCIUM	500000	499367	99.9
COPPER	0	-3	
IRON	200000	190868	95.4
MAGNESIUM	500000	514379	102.9
MANGANESE	5	7	
NICKEL	0	-1	
POTASSIUM	0	-193	
SILVER	0	-1	
SODIUM	0	9	
VANADIUM	0	2	
ZINC	9	7	

SAMPLE: ICSAB

File: BTE24A May 24, 2003 15:49

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	498625	99.7
BARIUM	500	476	95.2
BERYLLIUM	500	483	96.6
CADMIUM	1000	956	95.6
CALCIUM	500000	492929	98.6
COPPER	500	461	92.2
IRON	200000	188275	94.1
MAGNESIUM	500000	506280	101.3
MANGANESE	505	474	93.9
NICKEL	1000	920	92.0
POTASSIUM	20000	19427	97.1
SILVER	200	184	92.0
SODIUM	20000	20393	102.0
VANADIUM	500	458	91.6
ZINC	1010	940	93.1

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE24A May 24, 2003 19:07

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	513882	102.8
BARIUM	0	1	
BERYLLIUM	0	0	
CADMIUM	0	4	
CALCIUM	500000	497978	99.6
COPPER	0	-3	
IRON	200000	190331	95.2
MAGNESIUM	500000	519927	104.0
MANGANESE	5	6	
NICKEL	0	3	
POTASSIUM	0	-124	
SILVER	0	-1	
SODIUM	0	-10	
VANADIUM	0	-1	
ZINC	9	8	

SAMPLE: ICSAB

File: BTE24A May 24, 2003 19:12

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	511661	102.3
BARIUM	500	486	97.2
BERYLLIUM	500	488	97.6
CADMIUM	1000	971	97.1
CALCIUM	500000	497886	99.6
COPPER	500	475	95.0
IRON	200000	189989	95.0
MAGNESIUM	500000	518112	103.6
MANGANESE	505	480	95.0
NICKEL	1000	943	94.3
POTASSIUM	20000	20329	101.6
SILVER	200	189	94.5
SODIUM	20000	21119	105.6
VANADIUM	500	464	92.8
ZINC	1010	959	95.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE24A May 24, 2003 21:50

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	517059	103.4
BARIUM	0	1	
BERYLLIUM	0	0	
CADMIUM	0	4	
CALCIUM	500000	493981	98.8
COPPER	0	-4	
IRON	200000	189986	95.0
MAGNESIUM	500000	522553	104.5
MANGANESE	5	5	
NICKEL	0	-6	
POTASSIUM	0	-155	
SILVER	0	-1	
SODIUM	0	10	
VANADIUM	0	1	
ZINC	9	8	

SAMPLE: ICSAB

File: BTE24A May 24, 2003 21:56

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	514700	102.9
BARIUM	500	487	97.4
BERYLLIUM	500	485	97.0
CADMIUM	1000	973	97.3
CALCIUM	500000	489513	97.9
COPPER	500	479	95.8
IRON	200000	188614	94.3
MAGNESIUM	500000	519354	103.9
MANGANESE	505	477	94.5
NICKEL	1000	917	91.7
POTASSIUM	20000	20538	102.7
SILVER	200	190	95.0
SODIUM	20000	21411	107.1
VANADIUM	500	461	92.2
ZINC	1010	953	94.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: BTF02B Jun 02, 2003 13:08

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	516666	103.3
CALCIUM	500000	508386	101.7
IRON	200000	192875	96.4
MAGNESIUM	500000	515116	103.0

SAMPLE: ICSAB

File: BTF02B Jun 02, 2003 13:13

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	523524	104.7
CALCIUM	500000	506290	101.3
IRON	200000	193201	96.6
MAGNESIUM	500000	516961	103.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: BTF02B Jun 02, 2003 16:34

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	516844	103.4
CALCIUM	500000	519816	104.0
IRON	200000	195395	97.7
MAGNESIUM	500000	517308	103.5

SAMPLE: ICSAB

File: BTF02B Jun 02, 2003 16:39

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	515941	103.2
CALCIUM	500000	515924	103.2
IRON	200000	194513	97.3
MAGNESIUM	500000	515107	103.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: BTF02B Jun 02, 2003 19:57

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	518156	103.6
CALCIUM	500000	517942	103.6
IRON	200000	195454	97.7
MAGNESIUM	500000	516503	103.3

SAMPLE: ICSAB

File: BTF02B Jun 02, 2003 20:02

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	519761	104.0
CALCIUM	500000	518309	103.7
IRON	200000	195839	97.9
MAGNESIUM	500000	517134	103.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: BTF05A Jun 05, 2003 16:17

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	508156	101.6
CALCIUM	500000	498336	99.7
IRON	200000	190054	95.0
MAGNESIUM	500000	510398	102.1
MANGANESE	5	6	
POTASSIUM	0	-354	
SODIUM	0	1	

SAMPLE: ICSAB

File: BTF05A Jun 05, 2003 16:23

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	502513	100.5
CALCIUM	500000	499318	99.9
IRON	200000	189568	94.8
MAGNESIUM	500000	506169	101.2
MANGANESE	505	492	97.4
POTASSIUM	20000	19235	96.2
SODIUM	20000	20019	100.1

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: BTF05A Jun 05, 2003 19:40

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	513466	102.7
CALCIUM	500000	500785	100.2
IRON	200000	192257	96.1
MAGNESIUM	500000	513520	102.7
MANGANESE	5	7	
POTASSIUM	0	-253	
SODIUM	0	2	

SAMPLE: ICSAB

File: BTF05A Jun 05, 2003 19:46

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	503092	100.6
CALCIUM	500000	494763	99.0
IRON	200000	189315	94.7
MAGNESIUM	500000	504488	100.9
MANGANESE	505	488	96.6
POTASSIUM	20000	19179	95.9
SODIUM	20000	20074	100.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: BTF05A Jun 05, 2003 23:03

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	507951	101.6
CALCIUM	500000	505625	101.1
IRON	200000	192326	96.2
MAGNESIUM	500000	511929	102.4
MANGANESE	5	6	
POTASSIUM	0	-76	
SODIUM	0	13	

SAMPLE: ICSAB

File: BTF05A Jun 05, 2003 23:09

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	502307	100.5
CALCIUM	500000	500427	100.1
IRON	200000	190260	95.1
MAGNESIUM	500000	505772	101.2
MANGANESE	505	493	97.6
POTASSIUM	20000	18966	94.8
SODIUM	20000	19934	99.7

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: FTF09B Jun 09, 2003 16:17

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	94560	94.6
CALCIUM	100000	102400	102.4
IRON	100000	99240	99.2
MAGNESIUM	100000	95150	95.2
MOLYBDENUM	2000	1985	99.3
POTASSIUM	100000	100600	100.6
SODIUM	100000	95530	95.5
THALLIUM	0	0	

SAMPLE: ICSAB

File: FTF09B Jun 09, 2003 16:25

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	93470	93.5
CALCIUM	100000	99300	99.3
IRON	100000	95140	95.1
MAGNESIUM	100000	94440	94.4
MOLYBDENUM	2000	1914	95.7
POTASSIUM	100000	98550	98.6
SODIUM	100000	94610	94.6
THALLIUM	0	0	

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Concentration Units: ug/L

SAMPLE: ICSA

File: FTF09B Jun 09, 2003 23:09

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	92000	92.0
CALCIUM	100000	99260	99.3
IRON	100000	96360	96.4
MAGNESIUM	100000	93060	93.1
MOLYBDENUM	2000	1945	97.3
POTASSIUM	100000	98020	98.0
SODIUM	100000	92680	92.7
THALLIUM	0	0	

SAMPLE: ICSAB

File: FTF09B Jun 09, 2003 23:16

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	91900	91.9
CALCIUM	100000	99070	99.1
IRON	100000	96350	96.4
MAGNESIUM	100000	92970	93.0
MOLYBDENUM	2000	1917	95.9
POTASSIUM	100000	97710	97.7
SODIUM	100000	92870	92.9
THALLIUM	0	0	

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTE20ICW3

Matrix: WATER **SDG Name:** CTO287-3

QC Batch ID: TE20ICW3

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	2050.26	102.5	80	120
ANTIMONY	500.0	505.58	101.1	80	120
ARSENIC	500.0	490.38	98.1	80	120
BARIUM	2000.0	2096.69	104.8	80	120
BERYLLIUM	50.0	50.35	100.7	80	120
CADMIUM	250.0	241.44	96.6	80	120
CALCIUM	2500.0	2374.25	95.0	80	120
CHROMIUM	200.0	202.59	101.3	80	120
COBALT	500.0	498.42	99.7	80	120
COPPER	250.0	249.08	99.6	80	120
IRON	1000.0	1061.34	106.1	80	120
LEAD	500.0	488.81	97.8	80	120
MAGNESIUM	5000.0	5158.21	103.2	80	120
MANGANESE	500.0	524.68	104.9	80	120
NICKEL	500.0	518.90	103.8	80	120
POTASSIUM	10000.0	9849.43	98.5	80	120
SELENIUM	500.0	472.06	94.4	80	120
SILVER	50.0	49.99	100.0	80	120
SODIUM	7500.0	7688.88	102.5	80	120
THALLIUM	500.0	478.30	95.7	80	120
VANADIUM	500.0	507.30	101.5	80	120
ZINC	500.0	488.71	97.7	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTE22ICW0

Matrix: WATER **SDG Name:** CTO287-3

QC Batch ID: TE22ICW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	500.0	514.19	102.8	80	120
CALCIUM	2500.0	2510.34	100.4	80	120
MAGNESIUM	5000.0	5230.26	104.6	80	120
MANGANESE	500.0	518.83	103.8	80	120
POTASSIUM	10000.0	9914.40	99.1	80	120
SODIUM	7500.0	8016.86	106.9	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTE29ICW0

Matrix: WATER **SDG Name:** CTO287-3

QC Batch ID: TE29ICW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	500.0	509.71	101.9	80	120
CALCIUM	2500.0	2499.03	100.0	80	120
MAGNESIUM	5000.0	5253.64	105.1	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTF04HGW0

Matrix: WATER **SDG Name:** CTO287-3

QC Batch ID: TF04HGW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	4.99	99.8	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTF04ICW0

Matrix: WATER **SDG Name:** CTO287-3

QC Batch ID: TF04ICW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MANGANESE	500.0	544.60	108.9	80	120
POTASSIUM	10000.0	9334.36	93.3	80	120
SODIUM	7500.0	7584.77	101.1	80	120

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	1.33	P
ARSENIC	8.0	1.80	P
CHROMIUM	15	0.57	P
COBALT	30	0.44	P
LEAD	5.0	0.91	P
SELENIUM	10	2.10	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	20.20	P
BARIUM	5.0	0.48	P
BERYLLIUM	5.0	0.31	P
CADMIUM	10	3.66	P
CALCIUM	50	18.70	P
COPPER	25	2.38	P
IRON	100	6.06	P
MAGNESIUM	50	28.20	P
MANGANESE	5.0	0.92	P
NICKEL	40	11.70	P
POTASSIUM	1000	513.00	P
SILVER	15	4.78	P
SODIUM	1000	18.80	P
VANADIUM	25	4.70	P
ZINC	25	1.34	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** D

Instrument Name: LEEMAN MERCURY ANALYZER **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.03	CV

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** F

Instrument Name: AGILENT 7500 ICP-MS **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
THALLIUM	15	0.02	MS

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** TE20ICW3

Matrix: WATER **SDG Name:** CTO287-3

Method: P **Prep Date:** 05/20/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTE20ICW3	LCSWTE20ICW3	0.05	0.05
PBWTE20ICW3	PBWTE20ICW3	0.05	0.05
03GLM0502	WT1148-001	0.05	0.05
13GLM03D02	WT1148-003	0.05	0.05
13GLM10S02	WT1148-005	0.05	0.05
13GLM10S02D	WT1148-007	0.05	0.05

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** TE22ICW0

Matrix: WATER **SDG Name:** CTO287-3

Method: P **Prep Date:** 05/22/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTE22ICW0	LCSWTE22ICW0	0.05	0.05
PBWTE22ICW0	PBWTE22ICW0	0.05	0.05
13GLM10I02	WT1148-009	0.05	0.05
13GLM11S02	WT1148-011	0.05	0.05
13GLM11I02	WT1148-013	0.05	0.05
13GLM08S02	WT1160-001	0.05	0.05
13GLM08I02	WT1160-003	0.05	0.05
13GLM15S02	WT1160-005	0.05	0.05
13GLM15I02	WT1160-007	0.05	0.05
13GLM14I02	WT1160-009	0.05	0.05
13GLM05I02	WT1160-011	0.05	0.05
13GLM04S02	WT1160-012	0.05	0.05
13GLM04I02	WT1160-014	0.05	0.05
13GLM06S02	WT1160-017	0.05	0.05

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PREPARATION LOG

As, Ca, Mg only

Lab Name: Katahdin Analytical Services **QC Batch ID:** TE29ICW0

Matrix: WATER **SDG Name:** CTO287-3

Method: P **Prep Date:** 05/29/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTE29ICW0	LCSWTE29ICW0	0.05	0.05
PBWTE29ICW0	PBWTE29ICW0	0.05	0.05
13GLM06I02	WT1160-018	0.05	0.05
13GLM06I02D	WT1160-020	0.05	0.05
13RL051603	WT1160-022	0.05	0.05
13GLM12I02	WT1160-025	0.05	0.05
13GLM12I02D	WT1160-027	0.05	0.05

PREPARATION LOG

Mn, K, Na only

Lab Name: Katahdin Analytical Services **QC Batch ID:** TF04ICW0

Matrix: WATER **SDG Name:** CTO287-3

Method: P **Prep Date:** 06/04/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTF04ICW0	LCSWTF04ICW0	0.05	0.05
PBWTF04ICW0	PBWTF04ICW0	0.05	0.05
13GLM06I02	WT1160-018R	0.05	0.05
13GLM06I02D	WT1160-020R	0.05	0.05
13RL051603	WT1160-022R	0.05	0.05
13GLM12I02	WT1160-025R	0.05	0.05
13GLM12I02D	WT1160-027R	0.05	0.05

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** TF04HGW0

Matrix: WATER **SDG Name:** CTO287-3

Method: CV **Prep Date:** 06/04/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTF04HGW0	LCSWTF04HGW0	0.1	0.1
PBWTF04HGW0	PBWTF04HGW0	0.1	0.1
03GLM0502	WT1148-001	0.1	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA TRACE ICP **File Name:** ATE22A

Date: 5/22/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	9:48	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
S1		1	9:59	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
AL IEC		1	10:08	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
FE IEC		1	10:15	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
MN IEC		1	10:22	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
IEC		1	10:28	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICV		1	10:35	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICB		1	10:42	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
PQL		1	10:49	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CRI		1	10:55	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	11:02	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	11:09	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	11:15	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	11:22	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	11:38				
ZZZZZZ		1	11:45				
PBWTE20ICW3		1	11:51	Sb As	Cr Co	Pb	Se
LCSWTE20ICW3		1	11:58	Sb As	Cr Co	Pb	Se
ZZZZZZ		1	12:05				
ZZZZZZ		2	12:11				
ZZZZZZ		1	12:18				
ZZZZZZ		1	12:25				
ZZZZZZ		1	12:32				
ZZZZZZ		1	12:38				
CCV		1	12:45	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	12:52	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	12:58				
ZZZZZZ		1	13:05				
ZZZZZZ		1	13:12				
ZZZZZZ		1	13:18				
ZZZZZZ		1	13:25				
ZZZZZZ		1	13:32				
ZZZZZZ		1	13:38				
ZZZZZZ		5	13:45				
ZZZZZZ		5	13:52				
ZZZZZZ		5	13:58				
CCV		1	14:05	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	14:12	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		5	14:19				
ZZZZZZ		5	14:25				
ZZZZZZ		1	14:32				
ZZZZZZ		1	14:39				
ZZZZZZ		1	14:46				
ZZZZZZ		1	14:52				
CRI		1	14:59	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	15:06	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	15:12	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	15:19	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	15:26	Al Sb As	Ca Cr Co	Fe Pb Mg	Se

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA TRACE ICP **File Name:** ATE27A

Date: 5/27/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	15:00	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
S1		1	15:07	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
AL_IEC		1	15:17	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
FE_IEC		1	15:23	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
MN_IEC		1	15:30	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
IEC		1	15:37	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICV		1	15:44	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICB		1	15:50	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
PQL		1	15:57	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CRI		1	16:04	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	16:10	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	16:17	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	16:24	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	16:31	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	16:37				
ZZZZZZ		1	16:44				
ZZZZZZ		1	16:51				
ZZZZZZ		2	16:57				
ZZZZZZ		1	17:04				
ZZZZZZ		1	17:11				
ZZZZZZ		1	17:18				
ZZZZZZ		1	17:26				
ZZZZZZ		1	17:32				
ZZZZZZ		1	17:39				
CCV		1	17:46	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	17:53	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	17:59				
ZZZZZZ		1	18:06				
ZZZZZZ		1	18:13				
ZZZZZZ		1	18:19				
ZZZZZZ		1	18:26				
ZZZZZZ		1	18:33				
ZZZZZZ		1	18:39				
WT1148-001	03GLM0502	1	18:46	Sb As	Cr Co	Pb	Se
WT1148-003	13GLM03D02	1	18:53	As			
WT1148-005	13GLM10S02	1	19:00	As			
CCV		1	19:06	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	19:13	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
WT1148-007	13GLM10S02D	1	19:20	As			
PBWTE22ICW0		1	19:27	As			
LCSWTE22ICW0		1	19:33	As			
WT1148-009	13GLM10I02	1	19:40	As			
WT1148-011	13GLM11S02	1	19:47	As			
WT1148-013	13GLM11I02	1	19:53	As			
ZZZZZZ		1	20:00				
CRI		1	20:07	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	20:14	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	20:20	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	20:27	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	20:34	Al Sb As	Ca Cr Co	Fe Pb Mg	Se

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA TRACE ICP **File Name:** ATE27A

Date: 5/27/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
ZZZZZZ		5	20:40				
ZZZZZZ		1	20:47				
ZZZZZZ		1	20:54				
WT1160-001	13GLM08S02	1	21:01	As			
WT1160-003	13GLM08I02	1	21:07	As			
WT1160-005	13GLM15S02	1	21:14	As			
WT1160-007	13GLM15I02	1	21:21	As			
WT1160-009	13GLM14I02	1	21:27	As			
WT1160-011	13GLM05I02	1	21:34	As			
WT1160-012	13GLM04S02	1	21:41	As			
CCV		1	21:47	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	21:54	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
WT1160-014	13GLM04I02	1	22:01	As			
WT1160-017	13GLM06S02	1	22:08	As			
ZZZZZZ		1	22:14				
ZZZZZZ		1	22:21				
ZZZZZZ		1	22:28				
ZZZZZZ		1	22:35				
ZZZZZZ		1	22:41				
ZZZZZZ		1	22:48				
ZZZZZZ		10	22:55				
ZZZZZZ		20	23:01				
CCV		1	23:08	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	23:15	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CRI		1	23:22	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	23:28	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	23:35	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	23:42	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	23:48	Al Sb As	Ca Cr Co	Fe Pb Mg	Se

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA TRACE ICP **File Name:** ATF03B

Date: 6/3/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	12:03	Al	As	Ca	Fe	Mg
S1		1	12:10	Al	As	Ca	Fe	Mg
AL_IEC		1	12:19	Al	As	Ca	Fe	Mg
FE_IEC		1	12:26	Al	As	Ca	Fe	Mg
MN_IEC		1	12:33	Al	As	Ca	Fe	Mg
IEC		1	12:40	Al	As	Ca	Fe	Mg
ICV		1	12:46	Al	As	Ca	Fe	Mg
ICB		1	12:53	Al	As	Ca	Fe	Mg
PQL		1	13:00	Al	As	Ca	Fe	Mg
CRI		1	13:07	Al	As	Ca	Fe	Mg
ICSA		1	13:14	Al	As	Ca	Fe	Mg
ICSAB		1	13:20	Al	As	Ca	Fe	Mg
CCV		1	13:27	Al	As	Ca	Fe	Mg
CCB		1	13:34	Al	As	Ca	Fe	Mg
ZZZZZZ		1	14:03					
ZZZZZZ		1	14:10					
ZZZZZZ		1	14:16					
ZZZZZZ		1	14:23					
ZZZZZZ		5	14:30					
ZZZZZZ		1	14:36					
ZZZZZZ		1	14:43					
ZZZZZZ		1	14:50					
PBWTE29ICW0		1	14:56		As			
LCSWTE29ICW0		1	15:03		As			
CCV		1	15:10	Al	As	Ca	Fe	Mg
CCB		1	15:16	Al	As	Ca	Fe	Mg
ZZZZZZ		5	15:23					
ZZZZZZ		5	15:30					
ZZZZZZ		25	15:38					
ZZZZZZ		5	15:45					
ZZZZZZ		5	15:52					
ZZZZZZ		5	15:58					
ZZZZZZ		5	16:05					
ZZZZZZ		5	16:12					
ZZZZZZ		5	16:18					
ZZZZZZ		5	16:25					
CCV		1	16:32	Al	As	Ca	Fe	Mg
CCB		1	16:38	Al	As	Ca	Fe	Mg
ZZZZZZ		5	16:45					
ZZZZZZ		5	16:52					
ZZZZZZ		5	16:58					
ZZZZZZ		5	17:05					
ZZZZZZ		5	17:12					
ZZZZZZ		5	17:19					
ZZZZZZ		1	17:25					
CRI		1	17:32	Al	As	Ca	Fe	Mg
ICSA		1	17:39	Al	As	Ca	Fe	Mg
ICSAB		1	17:45	Al	As	Ca	Fe	Mg
CCV		1	17:52	Al	As	Ca	Fe	Mg
CCB		1	17:59	Al	As	Ca	Fe	Mg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA TRACE ICP **File Name:** ATF11A

Date: 6/11/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	9:07	Al	As	Ca	Fe	Mg
S1		1	9:14	Al	As	Ca	Fe	Mg
AL_IEC		1	9:23	Al	As	Ca	Fe	Mg
FE_IEC		1	9:30	Al	As	Ca	Fe	Mg
MN_IEC		1	9:37	Al	As	Ca	Fe	Mg
IEC		1	9:43	Al	As	Ca	Fe	Mg
ICV		1	9:50	Al	As	Ca	Fe	Mg
ICB		1	9:57	Al	As	Ca	Fe	Mg
PQL		1	10:04	Al	As	Ca	Fe	Mg
CRI		1	10:10	Al	As	Ca	Fe	Mg
ICSA		1	10:17	Al	As	Ca	Fe	Mg
ICSAB		1	10:24	Al	As	Ca	Fe	Mg
CCV		1	10:30	Al	As	Ca	Fe	Mg
CCB		1	10:38	Al	As	Ca	Fe	Mg
WT1160-018	13GLM06I02	1	10:45		As			
WT1160-020	13GLM06I02D	1	10:52		As			
WT1160-022	13RL051603	1	10:58		As			
WT1160-025	13GLM12I02	1	11:05		As			
WT1160-027	13GLM12I02D	1	11:12		As			
ZZZZZZ		1	11:18					
ZZZZZZ		1	11:25					
ZZZZZZ		1	11:32					
ZZZZZZ		5	11:38					
ZZZZZZ		1	11:45					
CCV		1	11:52	Al	As	Ca	Fe	Mg
CCB		1	11:58	Al	As	Ca	Fe	Mg
ZZZZZZ		1	12:05					
ZZZZZZ		1	12:12					
ZZZZZZ		1	12:19					
ZZZZZZ		1	12:25					
ZZZZZZ		1	12:32					
ZZZZZZ		1	12:39					
ZZZZZZ		1	12:45					
ZZZZZZ		1	12:52					
ZZZZZZ		1	12:59					
ZZZZZZ		1	13:05					
CCV		1	13:12	Al	As	Ca	Fe	Mg
CCB		1	13:19	Al	As	Ca	Fe	Mg
ZZZZZZ		1	13:25					
ZZZZZZ		5	13:32					
ZZZZZZ		1	13:39					
ZZZZZZ		1	13:45					
CRI		1	13:52	Al	As	Ca	Fe	Mg
ICSA		1	13:59	Al	As	Ca	Fe	Mg
ICSAB		1	14:05	Al	As	Ca	Fe	Mg
CCV		1	14:12	Al	As	Ca	Fe	Mg
CCB		1	14:19	Al	As	Ca	Fe	Mg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA 61 ICP **File Name:** BTE22C

Date: 5/22/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
S0		1	16:47	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
S1		1	16:53	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
AL_IEC		1	16:59	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
FE_IEC		1	17:07	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICV		1	17:15	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICB		1	17:21	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
PQL		1	17:28	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CRI		1	17:33	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICSA		1	17:39	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICSAB		1	17:45	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCV		1	17:50	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCB		1	17:56	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ZZZZZZ		1	18:02										
ZZZZZZ		1	18:07										
ZZZZZZ		1	18:13										
ZZZZZZ		1	18:18										
ZZZZZZ		1	18:24										
ZZZZZZ		1	18:30										
ZZZZZZ		1	18:35										
ZZZZZZ		1	18:41										
ZZZZZZ		5	18:47										
ZZZZZZ		1	18:52										
CCV		1	18:58	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCB		1	19:04	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ZZZZZZ		1	19:09										
ZZZZZZ		1	19:15										
ZZZZZZ		5	19:20										
ZZZZZZ		1	19:26										
ZZZZZZ		1	19:32										
ZZZZZZ		1	19:37										
ZZZZZZ		1	19:43										
ZZZZZZ		1	19:49										
ZZZZZZ		1	19:54										
ZZZZZZ		1	20:00										
CCV		1	20:05	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCB		1	20:11	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ZZZZZZ		1	20:17										
ZZZZZZ		1	20:22										
ZZZZZZ		1	20:28										
ZZZZZZ		1	20:34										
ZZZZZZ		1	20:39										
ZZZZZZ		1	20:45										
ZZZZZZ		1	20:51										
CRI		1	20:56	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICSA		1	21:02	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICSAB		1	21:07	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCV		1	21:13	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCB		1	21:19	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ZZZZZZ		1	21:24										
ZZZZZZ		1	21:30										

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA 61 ICP **File Name:** BTE22C

Date: 5/22/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
ZZZZZZ		1	21:36									
ZZZZZZ		5	21:41									
ZZZZZZ		1	21:47									
ZZZZZZ		1	21:53									
ZZZZZZ		1	21:58									
ZZZZZZ		1	22:04									
ZZZZZZ		1	22:09									
ZZZZZZ		1	22:15									
CCV		1	22:21	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CCB		1	22:26	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ZZZZZZ		1	22:32									
ZZZZZZ		1	22:38									
ZZZZZZ		1	22:43									
ZZZZZZ		1	22:49									
ZZZZZZ		1	22:55									
ZZZZZZ		1	23:00									
ZZZZZZ		5	23:06									
ZZZZZZ		1	23:12									
ZZZZZZ		1	23:17									
ZZZZZZ		1	23:23									
CCV		1	23:28	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CCB		1	23:34	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ZZZZZZ		5	23:40									
ZZZZZZ		1	23:45									
ZZZZZZ		1	23:51									
ZZZZZZ		1	23:57									
PBWTE20ICW3		1	0:02	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
LCSWTE20ICW3		1	0:08	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ZZZZZZ		5	0:14									
CRI		1	0:19	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ICSA		1	0:25	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
ICSAB		1	0:30	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CCV		1	0:36	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	
CCB		1	0:42	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn	

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA 61 ICP **File Name:** BTE24A

Date: 5/24/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements										
S0		1	14:53	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
S1		1	14:59	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
AL_IEC		1	15:05	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
FE_IEC		1	15:13	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICV		1	15:21	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICB		1	15:27	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
PQL		1	15:33	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CRI		1	15:38	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSA		1	15:44	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSAB		1	15:49	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCV		1	15:55	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	16:01	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		1	16:06															
ZZZZZZ		1	16:12															
ZZZZZZ		1	16:18															
ZZZZZZ		1	16:23															
ZZZZZZ		1	16:29															
ZZZZZZ		1	16:35															
ZZZZZZ		1	16:40															
ZZZZZZ		1	16:46															
ZZZZZZ		1	16:51															
ZZZZZZ		1	16:57															
CCV		1	17:03	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	17:08	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		1	17:14															
ZZZZZZ		1	17:20															
ZZZZZZ		1	17:25															
ZZZZZZ		1	17:31															
WT1148-001	03GLM0502	1	17:37	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WT1148-003	13GLM03D02	1	17:42					Ca			Mg	Mn		K		Na		
WT1148-005	13GLM10S02	1	17:48					Ca			Mg	Mn		K		Na		
WT1148-007	13GLM10S02D	1	17:53					Ca			Mg	Mn		K		Na		
PBWTE22ICW0		1	17:59					Ca			Mg	Mn		K		Na		
LCSWTE22ICW0		1	18:05					Ca			Mg	Mn		K		Na		
CCV		1	18:10	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	18:16	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WT1148-009	13GLM10I02	1	18:22					Ca			Mg	Mn		K		Na		
WT1148-011	13GLM11S02	1	18:27					Ca			Mg	Mn		K		Na		
WT1148-013	13GLM11I02	1	18:33					Ca			Mg	Mn		K		Na		
ZZZZZZ		1	18:39															
ZZZZZZ		5	18:44															
ZZZZZZ		1	18:50															
ZZZZZZ		1	18:55															
CRI		1	19:01	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSA		1	19:07	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSAB		1	19:12	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCV		1	19:18	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	19:24	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WT1160-001	13GLM08S02	1	19:29					Ca			Mg	Mn		K		Na		
WT1160-003	13GLM08I02	1	19:35					Ca			Mg	Mn		K		Na		

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA 61 ICP **File Name:** BTE24A

Date: 5/24/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
WT1160-005	13GLM15S02	1	19:41			Ca		Mg Mn		K	Na		
WT1160-007	13GLM15I02	1	19:46			Ca		Mg Mn		K	Na		
WT1160-009	13GLM14I02	1	19:52			Ca		Mg Mn		K	Na		
WT1160-011	13GLM05I02	1	19:57			Ca		Mg Mn		K	Na		
WT1160-012	13GLM04S02	1	20:03			Ca		Mg Mn		K	Na		
WT1160-014	13GLM04I02	1	20:09			Ca		Mg Mn		K	Na		
WT1160-017	13GLM06S02	1	20:14			Ca		Mg Mn		K	Na		
ZZZZZZ		1	20:20										
CCV		1	20:26	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCB		1	20:31	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
ZZZZZZ		1	20:37										
ZZZZZZ		1	20:43										
ZZZZZZ		1	20:48										
ZZZZZZ		1	20:54										
ZZZZZZ		1	20:59										
ZZZZZZ		1	21:05										
ZZZZZZ		1	21:11										
ZZZZZZ		1	21:16										
ZZZZZZ		1	21:22										
ZZZZZZ		1	21:28										
CCV		1	21:33	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCB		1	21:39	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CRI		1	21:45	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
ICSA		1	21:50	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
ICSAB		1	21:56	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCV		1	22:01	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn
CCB		1	22:07	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni	K	Ag Na	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA 61 ICP **File Name:** BTF02B

Date: 6/2/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	12:17	Al	Ca	Fe	Mg
S1		1	12:23	Al	Ca	Fe	Mg
AL_IEC		1	12:28	Al	Ca	Fe	Mg
FE_IEC		1	12:37	Al	Ca	Fe	Mg
ICV		1	12:45	Al	Ca	Fe	Mg
ICB		1	12:51	Al	Ca	Fe	Mg
PQL		1	12:56	Al	Ca	Fe	Mg
CRI		1	13:02	Al	Ca	Fe	Mg
ICSA		1	13:08	Al	Ca	Fe	Mg
ICSAB		1	13:13	Al	Ca	Fe	Mg
CCV		1	13:19	Al	Ca	Fe	Mg
CCB		1	13:25	Al	Ca	Fe	Mg
ZZZZZZ		1	13:33				
ZZZZZZ		2	13:39				
ZZZZZZ		5	13:45				
ZZZZZZ		10	13:50				
ZZZZZZ		1	13:56				
ZZZZZZ		2	14:02				
ZZZZZZ		1	14:07				
ZZZZZZ		2	14:13				
ZZZZZZ		20	14:19				
ZZZZZZ		5	14:24				
CCV		1	14:30	Al	Ca	Fe	Mg
CCB		1	14:35	Al	Ca	Fe	Mg
ZZZZZZ		5	14:41				
ZZZZZZ		5	14:47				
ZZZZZZ		5	14:52				
ZZZZZZ		5	14:58				
ZZZZZZ		10	15:04				
ZZZZZZ		1	15:09				
ZZZZZZ		1	15:15				
ZZZZZZ		1	15:20				
ZZZZZZ		1	15:26				
ZZZZZZ		1	15:32				
CCV		1	15:37	Al	Ca	Fe	Mg
CCB		1	15:43	Al	Ca	Fe	Mg
ZZZZZZ		1	15:49				
ZZZZZZ		1	15:54				
ZZZZZZ		5	16:00				
ZZZZZZ		1	16:06				
ZZZZZZ		1	16:11				
ZZZZZZ		1	16:17				
ZZZZZZ		1	16:22				
CRI		1	16:28	Al	Ca	Fe	Mg
ICSA		1	16:34	Al	Ca	Fe	Mg
ICSAB		1	16:39	Al	Ca	Fe	Mg
CCV		1	16:45	Al	Ca	Fe	Mg
CCB		1	16:51	Al	Ca	Fe	Mg
ZZZZZZ		5	16:56				
ZZZZZZ		1	17:02				

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA 61 ICP **File Name:** BTF02B

Date: 6/2/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
ZZZZZZ		1	17:08				
ZZZZZZ		1	17:13				
ZZZZZZ		1	17:19				
ZZZZZZ		1	17:24				
ZZZZZZ		1	17:30				
ZZZZZZ		1	17:36				
ZZZZZZ		1	17:41				
ZZZZZZ		1	17:47				
CCV		1	17:53	Al	Ca	Fe	Mg
CCB		1	17:58	Al	Ca	Fe	Mg
PBWTE29ICW0		1	18:04		Ca		Mg
LCSWTE29ICW0		1	18:10		Ca		Mg
WT1160-018	13GLM06I02	1	18:15		Ca		Mg
WT1160-020	13GLM06I02D	1	18:21		Ca		Mg
WT1160-022	13RL051603	1	18:26		Ca		Mg
WT1160-025	13GLM12I02	1	18:32		Ca		Mg
WT1160-027	13GLM12I02D	1	18:38		Ca		Mg
ZZZZZZ		1	18:43				
ZZZZZZ		1	18:49				
ZZZZZZ		1	18:55				
CCV		1	19:00	Al	Ca	Fe	Mg
CCB		1	19:06	Al	Ca	Fe	Mg
ZZZZZZ		1	19:12				
ZZZZZZ		1	19:17				
ZZZZZZ		1	19:23				
ZZZZZZ		1	19:29				
ZZZZZZ		1	19:34				
ZZZZZZ		1	19:40				
ZZZZZZ		1	19:45				
CRI		1	19:51	Al	Ca	Fe	Mg
ICSA		1	19:57	Al	Ca	Fe	Mg
ICSAB		1	20:02	Al	Ca	Fe	Mg
CCV		1	20:08	Al	Ca	Fe	Mg
CCB		1	20:14	Al	Ca	Fe	Mg

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA 61 ICP **File Name:** BTF05A

Date: 6/5/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
S0		1	15:27	Al	Ca	Fe	Mg Mn	K	Na
S1		1	15:33	Al	Ca	Fe	Mg Mn	K	Na
AL_IEC		1	15:38	Al	Ca	Fe	Mg Mn	K	Na
FE_IEC		1	15:46	Al	Ca	Fe	Mg Mn	K	Na
ICV		1	15:55	Al	Ca	Fe	Mg Mn	K	Na
ICB		1	16:00	Al	Ca	Fe	Mg Mn	K	Na
PQL		1	16:06	Al	Ca	Fe	Mg Mn	K	Na
CRI		1	16:12	Al	Ca	Fe	Mg Mn	K	Na
ICSA		1	16:17	Al	Ca	Fe	Mg Mn	K	Na
ICSAB		1	16:23	Al	Ca	Fe	Mg Mn	K	Na
CCV		1	16:29	Al	Ca	Fe	Mg Mn	K	Na
CCB		1	16:34	Al	Ca	Fe	Mg Mn	K	Na
ZZZZZZ		1	16:40						
ZZZZZZ		1	16:46						
ZZZZZZ		5	16:51						
ZZZZZZ		1	16:57						
ZZZZZZ		1	17:03						
ZZZZZZ		1	17:08						
ZZZZZZ		1	17:14						
ZZZZZZ		1	17:19						
ZZZZZZ		1	17:25						
ZZZZZZ		1	17:31						
CCV		1	17:36	Al	Ca	Fe	Mg Mn	K	Na
CCB		1	17:42	Al	Ca	Fe	Mg Mn	K	Na
ZZZZZZ		5	17:48						
ZZZZZZ		1	17:53						
ZZZZZZ		1	17:59						
ZZZZZZ		1	18:05						
ZZZZZZ		1	18:10						
ZZZZZZ		1	18:16						
ZZZZZZ		1	18:21						
ZZZZZZ		1	18:27						
ZZZZZZ		1	18:33						
ZZZZZZ		1	18:38						
CCV		1	18:44	Al	Ca	Fe	Mg Mn	K	Na
CCB		1	18:50	Al	Ca	Fe	Mg Mn	K	Na
ZZZZZZ		1	18:55						
ZZZZZZ		1	19:01						
ZZZZZZ		1	19:06						
ZZZZZZ		1	19:12						
ZZZZZZ		1	19:18						
ZZZZZZ		1	19:23						
ZZZZZZ		1	19:29						
CRI		1	19:35	Al	Ca	Fe	Mg Mn	K	Na
ICSA		1	19:40	Al	Ca	Fe	Mg Mn	K	Na
ICSAB		1	19:46	Al	Ca	Fe	Mg Mn	K	Na
CCV		1	19:52	Al	Ca	Fe	Mg Mn	K	Na
CCB		1	19:57	Al	Ca	Fe	Mg Mn	K	Na
ZZZZZZ		1	20:03						
ZZZZZZ		1	20:08						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: TJA 61 ICP **File Name:** BTF05A

Date: 6/5/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
ZZZZZZ		1	20:14							
ZZZZZZ		5	20:20							
ZZZZZZ		1	20:25							
ZZZZZZ		1	20:31							
ZZZZZZ		1	20:37							
ZZZZZZ		1	20:42							
ZZZZZZ		1	20:48							
PBWTF04ICW0		1	20:54				Mn	K	Na	
CCV		1	20:59	Al	Ca	Fe	Mg Mn	K	Na	
CCB		1	21:05	Al	Ca	Fe	Mg Mn	K	Na	
LCSWTF04ICW0		1	21:10				Mn	K	Na	
WT1160-018R	13GLM06I02R	1	21:16				Mn	K	Na	
WT1160-020R	13GLM06I02DR	1	21:22				Mn	K	Na	
WT1160-022R	13RL051603R	1	21:27				Mn	K	Na	
WT1160-025R	13GLM12I02R	1	21:33				Mn	K	Na	
WT1160-027R	13GLM12I02DR	1	21:39				Mn	K	Na	
ZZZZZZ		1	21:44							
ZZZZZZ		1	21:50							
ZZZZZZ		1	21:56							
ZZZZZZ		1	22:01							
CCV		1	22:07	Al	Ca	Fe	Mg Mn	K	Na	
CCB		1	22:13	Al	Ca	Fe	Mg Mn	K	Na	
ZZZZZZ		1	22:18							
ZZZZZZ		1	22:24							
ZZZZZZ		5	22:29							
ZZZZZZ		1	22:35							
ZZZZZZ		1	22:41							
ZZZZZZ		1	22:46							
ZZZZZZ		1	22:52							
CRI		1	22:58	Al	Ca	Fe	Mg Mn	K	Na	
ICSA		1	23:03	Al	Ca	Fe	Mg Mn	K	Na	
ICSAB		1	23:09	Al	Ca	Fe	Mg Mn	K	Na	
CCV		1	23:15	Al	Ca	Fe	Mg Mn	K	Na	
CCB		1	23:20	Al	Ca	Fe	Mg Mn	K	Na	

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: LEEMAN MERCURY AN **File Name:** DTF04B

Date: 6/4/03 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Std1			15:06	Hg
Std2			15:09	Hg
Std3			15:12	Hg
Std4			15:15	Hg
Std5			15:18	Hg
Std6			15:22	Hg
ICV		1	15:25	Hg
ICB		1	15:29	Hg
CRA		1	15:32	Hg
LCSWTF04HGW0		1	15:35	Hg
PBWTF04HGW0		1	15:38	Hg
ZZZZZZ		1	15:41	
ZZZZZZ		1	15:44	
ZZZZZZ		1	15:47	
ZZZZZZ		1	15:50	
ZZZZZZ		1	15:53	
ZZZZZZ		1	15:56	
ZZZZZZ		1	15:59	
CCV		1	16:02	Hg
CCB		1	16:06	Hg
ZZZZZZ		1	16:09	
ZZZZZZ		1	16:12	
ZZZZZZ		1	16:15	
ZZZZZZ		1	16:18	
ZZZZZZ		1	16:21	
ZZZZZZ		1	16:24	
ZZZZZZ		1	16:27	
ZZZZZZ		1	16:30	
ZZZZZZ		1	16:33	
ZZZZZZ		1	16:36	
CCV		1	16:39	Hg
CCB		1	16:43	Hg
ZZZZZZ		1	16:46	
ZZZZZZ		1	16:49	
ZZZZZZ		1	16:52	
ZZZZZZ		1	16:55	
WT1148-001	03GLM0502	1	16:57	Hg
ZZZZZZ		1	17:00	
ZZZZZZ		1	17:03	
ZZZZZZ		1	17:07	
ZZZZZZ		1	17:10	
ZZZZZZ		1	17:13	
CCV		1	17:16	Hg
CCB		1	17:19	Hg

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FTF09B

Date: 6/9/03 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements						
Cal Blank		1	14:44	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 1		1	14:52	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 2		1	15:00	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 3		1	15:08	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 4		1	15:15	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	15:23	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICV		1	15:31	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICB		1	15:38	Al	Ca	Fe	Mg	Mo	K	Na	Tl
PQL		1	15:46	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		1	15:54								
Blank		1	16:02	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CRI		5	16:09	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSA		1	16:17	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSAB		1	16:25	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	16:33	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCV		1	16:40	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	16:48	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	16:56								
ZZZZZZ		5	17:04								
ZZZZZZ		5	17:11								
ZZZZZZ		5	17:19								
ZZZZZZ		5	17:27								
ZZZZZZ		5	17:35								
ZZZZZZ		10	17:42								
ZZZZZZ		1	17:50								
ZZZZZZ		5	17:58								
ZZZZZZ		5	18:06								
CCV		1	18:13	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	18:21	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	18:29								
ZZZZZZ		25	18:37								
ZZZZZZ		10	18:44								
ZZZZZZ		10	18:52								
ZZZZZZ		1	19:00								
ZZZZZZ		5	19:08								
PBWTE20ICW3		5	19:15								Tl
LCSWTE20ICW3		10	19:23								Tl
ZZZZZZ		1	19:31								
ZZZZZZ		10	19:39								
CCV		1	19:47	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	19:54	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	20:02								
ZZZZZZ		5	20:10								
WT1148-001	03GLM0502	5	20:18								Tl
ZZZZZZ		5	20:25								
ZZZZZZ		10	20:33								
ZZZZZZ		10	20:41								
ZZZZZZ		10	20:49								
ZZZZZZ		1	20:57								
ZZZZZZ		5	21:04								

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-3

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FTF09B

Date: 6/9/03 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements							
ZZZZZZ		25	21:12								
CCV		1	21:20	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	21:28	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	21:35								
ZZZZZZ		10	21:43								
ZZZZZZ		1	21:51								
ZZZZZZ		5	21:59								
ZZZZZZ		25	22:07								
ZZZZZZ		10	22:14								
ZZZZZZ		10	22:22								
ZZZZZZ		1	22:30								
ZZZZZZ		5	22:38								
CCV		1	22:45	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	22:53	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CRI		5	23:01	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSA		1	23:09	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSAB		1	23:16	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	23:24	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCV		1	23:32	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	23:40	Al	Ca	Fe	Mg	Mo	K	Na	Tl

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-3

Parameter: Chloride

QC Batch Id: TE23WL10

Anal Method: EPA 325.2 | Anal Date: 05/22/03 | Blank Result: U2.0mg/L

Prep Method: N/A | Prep Date: N/A | Pql: 2.0mg/L

Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
13GLM11S02	WT1148-11	05/22/03
13GLM11I02	WT1148-13	05/22/03
13GLM03D02	WT1148-3	05/22/03
13GLM10S02	WT1148-5	05/22/03
13GLM10S02D	WT1148-7	05/22/03
13GLM10I02	WT1148-9	05/22/03

QC Batch Id: TE23WL11

Anal Method: EPA 325.2 | Anal Date: 05/22/03 | Blank Result: U2.0mg/L

Prep Method: N/A | Prep Date: N/A | Pql: 2.0mg/L

Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
13GLM08S02	WT1160-1	05/22/03
13GLM08S02	WT1160-1 DUP	05/22/03
13GLM08S02	WT1160-1 MS	05/22/03
13GLM04S02	WT1160-12	05/22/03
13GLM04I02	WT1160-14	05/22/03
13GLM06S02	WT1160-17	05/22/03
13GLM06I02	WT1160-18	05/22/03
13GLM06I02D	WT1160-20	05/22/03
13GLM12I02	WT1160-25	05/22/03
13GLM12I02D	WT1160-27	05/22/03
13GLM08I02	WT1160-3	05/22/03
13GLM15S02	WT1160-5	05/22/03
13GLM15I02	WT1160-7	05/22/03
13GLM14I02	WT1160-9	05/22/03

Parameter: Cyanide

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-3

Parameter: Cyanide

QC Batch Id: TE28WL8

Anal Method: SW846 M9012A | Anal Date: 05/27/03 | Blank Result: U10mg/L

Prep Method: SW846 9012 | Prep Date: 05/25/03 | Pql: 10mg/L

Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/27/03
LABQC	MBLANK	05/27/03
03GLM0502	WT1148-1	05/27/03

Parameter: Nitrate As N

QC Batch Id: TE20WL2

Anal Method: EPA 353.2 | Anal Date: 05/17/03 | Blank Result: J0.0073mg/L

Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L

Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/17/03
LABQC	MBLANK	05/17/03
13GLM08S02	WT1160-1	05/17/03
13GLM04S02	WT1160-12	05/17/03
13GLM04I02	WT1160-14	05/17/03
13GLM04I02	WT1160-14 DUP	05/17/03
13GLM04I02	WT1160-14 MS	05/17/03
13GLM06S02	WT1160-17	05/17/03
13GLM06I02	WT1160-18	05/17/03
13GLM06I02	WT1160-18 DUP	05/17/03
13GLM06I02	WT1160-18 MS	05/17/03
13GLM06I02D	WT1160-20	05/17/03
13GLM12I02	WT1160-25	05/17/03
13GLM12I02D	WT1160-27	05/17/03
13GLM08I02	WT1160-3	05/17/03
13GLM15S02	WT1160-5	05/17/03
13GLM15I02	WT1160-7	05/17/03
13GLM14I02	WT1160-9	05/17/03

QC Batch Id: TE22WL4

Anal Method: EPA 353.2 | Anal Date: 05/16/03 | Blank Result: U0.050mg/L

Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L

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Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-3

Parameter: Nitrate As N

QC Batch Id: TE22WL4
Anal Method: EPA 353.2 | Anal Date: 05/16/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/16/03
LABQC	MBLANK	05/16/03
13GLM11S02	WT1148-11	05/16/03
13GLM11I02	WT1148-13	05/16/03
13GLM03D02	WT1148-3	05/16/03
13GLM10S02	WT1148-5	05/16/03
13GLM10S02D	WT1148-7	05/16/03
13GLM10I02	WT1148-9	05/16/03

Parameter: Nitrite As N

QC Batch Id: TE20WL6
Anal Method: EPA 353.2 | Anal Date: 05/17/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/17/03
LABQC	MBLANK	05/17/03
13GLM08S02	WT1160-1	05/17/03
13GLM04S02	WT1160-12	05/17/03
13GLM04I02	WT1160-14	05/17/03
13GLM04I02	WT1160-14 DUP	05/17/03
13GLM04I02	WT1160-14 MS	05/17/03
13GLM06S02	WT1160-17	05/17/03
13GLM06I02	WT1160-18	05/17/03
13GLM06I02	WT1160-18 DUP	05/17/03
13GLM06I02	WT1160-18 MS	05/17/03
13GLM06I02D	WT1160-20	05/17/03
13GLM12I02	WT1160-25	05/17/03
13GLM12I02D	WT1160-27	05/17/03
13GLM08I02	WT1160-3	05/17/03
13GLM15S02	WT1160-5	05/17/03

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-3

Parameter: Nitrite As N

QC Batch Id: TE20WL6
Anal Method: EPA 353.2 | Anal Date: 05/17/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
13GLM15I02	WT1160-7	05/17/03
13GLM14I02	WT1160-9	05/17/03

QC Batch Id: TE22WL6
Anal Method: EPA 353.2 | Anal Date: 05/16/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/16/03
LABQC	MBLANK	05/16/03
13GLM11S02	WT1148-11	05/16/03
13GLM11I02	WT1148-13	05/16/03
13GLM03D02	WT1148-3	05/16/03
13GLM10S02	WT1148-5	05/16/03
13GLM10S02D	WT1148-7	05/16/03
13GLM10I02	WT1148-9	05/16/03

Parameter: Sulfate-Turbidimetric

QC Batch Id: TE24WL1
Anal Method: EPA 375.4 | Anal Date: 05/22/03 | Blank Result: U1.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
13GLM11S02	WT1148-11	05/22/03
13GLM11I02	WT1148-13	05/22/03
13GLM03D02	WT1148-3	05/22/03
13GLM10I02	WT1148-9	05/22/03

QC Batch Id: TE24WL2
Anal Method: EPA 375.4 | Anal Date: 05/22/03 | Blank Result: U1.0mg/L

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-3

Parameter: Sulfate-Turbidimetric

QC Batch Id: TE24WL2
Anal Method: EPA 375.4 | Anal Date: 05/22/03 | Blank Result: U1.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
13GLM10S02	WT1148-5	05/22/03
13GLM10S02D	WT1148-7	05/22/03
13GLM04S02	WT1160-12	05/22/03
13GLM04I02	WT1160-14	05/22/03
13GLM06S02	WT1160-17	05/22/03
13GLM06I02	WT1160-18	05/22/03
13GLM06I02D	WT1160-20	05/22/03
13GLM12I02	WT1160-25	05/22/03
13GLM12I02D	WT1160-27	05/22/03
13GLM08I02	WT1160-3	05/22/03
13GLM15S02	WT1160-5	05/22/03
13GLM15I02	WT1160-7	05/22/03
13GLM14I02	WT1160-9	05/22/03

QC Batch Id: TE24WL3
Anal Method: EPA 375.4 | Anal Date: 05/22/03 | Blank Result: U1.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
13GLM08S02	WT1160-1	05/22/03
13GLM08S02	WT1160-1 DUP	05/22/03
13GLM08S02	WT1160-1 MS	05/22/03

Parameter: Total Organic Carbon

QC Batch Id: TF06WL10
Anal Method: EPA 415.1 | Anal Date: 06/05/03 | Blank Result: J0.4367mg/L
Prep Method: NA | Prep Date: | Pql: 1.0mg/L
Associated Samples:

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Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-3

Parameter: Total Organic Carbon

QC Batch Id: TF06WL10
Anal Method: EPA 415.1 Anal Date: 06/05/03 Blank Result: J0.4367mg/L
Prep Method: NA Prep Date: Pql: 1.0mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/05/03
LABQC	LCSD	06/05/03
LABQC	MBLANK	06/05/03
13GLM11S02	WT1148-11	06/05/03
13GLM11S02	WT1148-11 MS	06/05/03
13GLM03D02	WT1148-3	06/05/03
13GLM10S02	WT1148-5	06/05/03
13GLM10S02D	WT1148-7	06/05/03
13GLM10I02	WT1148-9	06/05/03

QC Batch Id: TF06WL11
Anal Method: EPA 415.1 Anal Date: 06/05/03 Blank Result: J0.4433mg/L
Prep Method: NA Prep Date: Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/05/03
LABQC	LCSD	06/05/03
LABQC	MBLANK	06/05/03
13GLM11I02	WT1148-13	06/05/03
13GLM08S02	WT1160-1	06/05/03
13GLM04S02	WT1160-12	06/06/03
13GLM04I02	WT1160-14	06/06/03
13GLM04I02	WT1160-14 DUP	06/06/03
13GLM04I02	WT1160-14 MS	06/06/03
13GLM06S02	WT1160-17	06/06/03
13GLM06I02	WT1160-18	06/06/03
13GLM06I02D	WT1160-20	06/06/03
13GLM12I02	WT1160-25	06/06/03
13GLM12I02D	WT1160-27	06/06/03
13GLM08I02	WT1160-3	06/05/03
13GLM15S02	WT1160-5	06/05/03
13GLM15I02	WT1160-7	06/05/03
13GLM14I02	WT1160-9	06/05/03

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Report

Company Tetra Tech NUS, Inc.
Sdg CTO287-3

Qc Batch Id	Anal Date	Prep Date	Units	Spike Amount	Result	Recovery (%)	Recovery Acceptance Range
Parameter: Chloride							
TE23WL10	05/22/03	N/A	mg/L	35.0	34	98	80-120
TE23WL11	05/22/03	N/A	mg/L	35.0	34	98	80-120
Parameter: Cyanide							
TE28WL8	05/27/03	05/25/03	mg/L	200	U10	92	80-120
Parameter: Nitrate As N							
TE20WL2	05/17/03	N/A	mg/L	1.00	0.97	97	80-120
TE22WL4	05/16/03	N/A	mg/L	1.00	0.96	96	80-120
Parameter: Nitrite As N							
TE20WL6	05/17/03	N/A	mg/L	1.00	1.1	108	80-120
Parameter: Sulfate-Turbidimetric							
TE24WL1	05/22/03	N/A	mg/L	15.0	13	89	80-120
TE24WL2	05/22/03	N/A	mg/L	15.0	13	85	80-120
TE24WL3	05/22/03	N/A	mg/L	15.0	13	88	80-120
Parameter: pH(Laboratory)							
TE22WL6	05/16/03	N/A	mg/L	1.00	1.0	106	80-120

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ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Duplicate Report

Company Tetra Tech NUS, Inc.
Sdg CTO287-3

Qc Batch Id	Anal Date	Prep Date	Units	Spike Amount LCS	Spike Amount LCSD	Result LCS	Result LCSD	Recovery (%) LCS	Recovery (%) LCSD	Recovery Acceptance Range	RPD	RPD Criteri
Parameter: Total Organic Carbon												
TF06WL10	06/05/03		mg/L	50.0	50.0	49	49	97	97	80-120	0	20
TF06WL11	06/05/03		mg/L	50.0	50.0	48	48	97	96	80-120	0	20

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Quality Control Report

Matrix Spike Report

Company: Tetra Tech NUS, Inc.
Sdg: CTO287-3

Sample	Anal Date	Result	Units	Spike Level	Result	Recovery (%)	Acceptance Range
Parameter: Chloride							
WT1160-1	05/22/03	14	mg/L	50.0	68	108	75-125
Parameter: Nitrate As N							
WT1160-14	05/17/03	J0.0197	mg/L	0.500	0.40	77	75-125
WT1160-18	05/17/03	J0.0207	mg/L	0.500	0.41	79	75-125
Parameter: Nitrite As N							
WT1160-14	05/17/03	U0.050	mg/L	0.500	0.46	92	80-120
WT1160-18	05/17/03	U0.050	mg/L	0.500	0.43	85	80-120
Parameter: Sulfate-Turbidimetric							
WT1160-1	05/22/03	U2.0	mg/L	20.0	12	*74	75-125
Parameter: Total Organic Carbon							
WT1148-11	06/05/03	6.8	mg/L	100	100	96	75-125
WT1160-14	06/06/03	5.1	mg/L	100	100	97	75-125

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Sample Duplicate Report

Client: Tetra Tech NUS, Inc.
Sdg: CTO287-3

Sample	Anal Date	Units	Native Result	Duplicate Result	RPD	Criteria (%)
Chloride						
WT1160-1	05/22/03	mg/L	14	14	0	20
Nitrate As N						
WT1160-14	05/17/03	mg/L	J0.0197	J0.0183	NC	20
WT1160-18	05/17/03	mg/L	J0.0207	J0.0217	NC	20
Nitrite As N						
WT1160-14	05/17/03	mg/L	U0.050	U0.050	NC	20
WT1160-18	05/17/03	mg/L	U0.050	U0.050	NC	20
Sulfate-Turbidimetric						
WT1160-1	05/22/03	mg/L	U2.0	U2.0	NC	20
Total Organic Carbon						
WT1160-14	06/06/03	mg/L	5.1	5.2	2	20

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FIELD DUPLICATE PRECISION

ANALYTE	13GLM06I02	13GLM06I02D	RPD	DIFFERENCE
Arsenic	1.8U	2.2	#VALUE!	#VALUE!
Calcium	2020	2150	6.24	130
Magnesium	1410	1520	7.51	110
Manganese	10.1	9.1	10.42	1
Potassium	2300	1800	24.39	500
Sodium	5540	5530	0.18	10
Chloride	11	11	0.00	0
Nitrate	0.0207U	0.0214U	#VALUE!	#VALUE!
Nitrite	0.05U	0.05U	#VALUE!	#VALUE!
Sulfate	12	12	0.00	0
TOC	3	2U	#VALUE!	~~#VALUE!~~ 3

ANALYTE	13GLM10S02	13GLM10S02D	RPD	DIFFERENCE
Arsenic	1.8U	1.8U	#VALUE!	#VALUE!
Calcium	12600	12700	0.79	100
Magnesium	856	868	1.39	12
Manganese	18.8	18.4	2.15	0.4
Potassium	1510	1230	20.44	280
Sodium	2530	2580	1.96	50
Chloride	6.4	5	24.56	1.4
Nitrate	0.0171	0.0124	31.86	0.0047
Nitrite	0.05U	0.05U	#VALUE!	#VALUE!
Sulfate	2U	2U	#VALUE!	#VALUE!
TOC	29	29	0.00	0

ANALYTE	13GLM12I02	13GLM12I02D	RPD	DIFFERENCE
Arsenic	8.7	9.5	8.79	0.8
Calcium	4560	4420	3.12	140
Magnesium	1720	1610	6.61	110
Manganese	19.8	20.1	1.50	0.3
Potassium	3110	2980	4.27	130
Sodium	4960	4830	2.66	130
Chloride	11	11	0.00	0
Nitrate	0.027U	0.0291U	#VALUE!	#VALUE!
Nitrite	0.05U	0.05U	#VALUE!	#VALUE!
Sulfate	11	11	0.00	0
TOC	4.6	4.5	2.20	0.1

Elem	Y	--	--	--	--	--	--
Wavlen	360.063	--	--	--	--	--	--
Avge	70185	--	--	--	--	--	--
SDev	188.0904	--	--	--	--	--	--
%RSD	.2679923	--	--	--	--	--	--
#1	70318	--	--	--	--	--	--
#2	70052	--	--	--	--	--	--

Method: NONAK Sample Name: WT1160-014 Operator:
Run Time: 05/27/03 22:01:29 13GLN04I02
Comment:
Mode: CONC Corr. Factor: 1 EWF 7/25/03

Elem	Al	As	Ba	Be	B	Cd	Ca
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.20492	.01158	.01689	-.00002	.01802	-.00034	5.3125
SDev	.01101	.00116	.00015	.00012	.00030	.00007	.0483
%RSD	5.3732	10.007	.86460	508.93	1.6526	22.268	.90992
#1	.19713	.01240	.01679	.00006	.01781	-.00028	5.2783
#2	.21270	.01076	.01700	-.00011	.01824	-.00039	5.3467

Elem	Cr	Co	Cu	Fe	Mg	Mn	Mo
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00265	.00003	.00044	5.8759	1.8318	.01036	.00205
SDev	.00019	.00019	.00004	.0570	.0156	.00006	.00020
%RSD	7.0212	569.11	8.6198	.96942	.85088	.58465	9.8499
#1	.00278	.00016	.00046	5.8356	1.8207	.01032	.00219
#2	.00251	-.00010	.00041	5.9162	1.8428	.01040	.00191

Elem	Ni	Ag	Sr	Tl	Sn	Ti	V
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00043	.00010	.02273	.00115	-.00138	.00295	.00530
SDev	.00002	.00005	.00016	.00023	.00097	.00015	.00025
%RSD	5.7117	48.627	.71043	20.276	70.200	5.0132	4.6576
#1	.00041	.00007	.02261	.00132	-.00207	.00305	.00512
#2	.00045	.00014	.02284	.00099	-.00070	.00284	.00547

Elem	Zn	Pb	Se	Sb	2068/1	2068/2	2203/1
Units	mg/L	mg/L	mg/L	mg/L			
Avge	.00073	-.00038	-.00032	.00032	.00098	-.00018	-.00319
SDev	.00002	.00115	.00092	.00012	.00041	.00004	.00282
%RSD	2.8255	299.95	285.02	37.401	41.949	24.184	88.284
#1	.00075	.00043	.00033	.00040	.00128	-.00021	-.00120
#2	.00072	-.00120	-.00097	.00023	.00069	-.00015	-.00518

Elem	2203/2	1960/1	1960/2
Units			
Avge	.00082	-.00231	.00050
SDev	.00032	.00353	.00039
%RSD	38.521	152.80	77.560
#1	.00105	.00019	.00023

AS= 0.01158 mg/L x 1000 ug/1mg = 11.58 ug/L * Reported Value = 11.6 ug/L

#2	.00060	-.00481	.00077

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	360.063	--	--	--	--	--	--
Avge	69680	--	--	--	--	--	--
SDev	403.0509	--	--	--	--	--	--
%RSD	.5784312	--	--	--	--	--	--
#1	69965	--	--	--	--	--	--
#2	69395	--	--	--	--	--	--

Method: NONAK Sample Name: WT1160-017 Operator:
Run Time: 05/27/03 22:08:11
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	.70641	.00339	.00248	-.00022	.01792	-.00023	8.4665
SDev	.00599	.00161	.00006	.00006	.00040	.00008	.0353
%RSD	.84788	47.448	2.2966	28.358	2.2246	33.114	.41670
#1	.70218	.00453	.00244	-.00018	.01764	-.00029	8.4415
#2	.71065	.00225	.00252	-.00027	.01821	-.00018	8.4914

Elem	Cr	Co	Cu	Fe	Mg	Mn	Mo
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00101	.00007	.00748	1.2000	3.1978	.00471	.00077
SDev	.00001	.00035	.00021	.0084	.0044	.00007	.00046
%RSD	.46245	527.39	2.8629	.70074	.13885	1.4329	59.414
#1	.00101	-.00018	.00733	1.1941	3.1946	.00466	.00110
#2	.00101	.00031	.00764	1.2060	3.2009	.00476	.00045

Elem	Ni	Ag	Sr	Tl	Sn	Ti	V
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00122	-.00003	.03689	-.00106	-.00183	.00682	.00182
SDev	.00022	.00010	.00001	.00086	.00126	.00036	.00052
%RSD	18.045	345.61	.02314	80.703	68.852	5.1982	28.555
#1	.00106	.00004	.03689	-.00046	-.00094	.00657	.00145
#2	.00138	-.00010	.03690	-.00167	-.00272	.00707	.00218

Elem	Zn	Pb	Se	Sb	2068/1	2068/2	2203/1
Units	mg/L	mg/L	mg/L	mg/L			
Avge	.00448	.00092	.00192	.00026	.00075	-.00015	-.00128
SDev	.00011	.00010	.00033	.00083	.00128	.00060	.00333
%RSD	2.4357	10.628	16.999	313.96	172.16	396.43	259.81
#1	.00441	.00085	.00215	-.00032	-.00016	-.00058	.00107
#2	.00456	.00099	.00169	.00085	.00165	.00027	-.00363

Elem	2203/2	1960/1	1960/2
Units			
Avge	.00182	-.00120	.00331

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**AUGUST 13, 2003**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOC/OVG/SVOC/PEST/PCB/PAH**
CTO 287, CSS PANAMA CITY
SDG 2873

SAMPLES: 21/Aqueous

03GLM0502	13GLM03D02	13GLM04I02
13GLM04S02	13GLM06I02	13GLM06I02D
13GLM06S02	13GLM08I02	13GLM08S02
13GLM10I02	13GLM10S02	13GLM10S02D
13GLM11I02	13GLM11S02	13GLM12I02
13GLM12I02D	13GLM14I02	13GLM15I02
13GLM15S02	13RL051603	13TB051603*

OVERVIEW

The sample set for CTO 287 CSS Panama City, SDG 2873 consists of sixteen (16) environmental aqueous samples, three (3) field duplicates, one (1) rinse blank, and one (1) trip blank. All environmental aqueous samples were analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), and polynuclear aromatic hydrocarbons (PAH). All environmental samples except 03GLM0502 were also analyzed for organic volatile gasses (OVG). Sample 03GLM0502 was also analyzed for pesticides (PEST) and polychlorinated biphenyls (PCB). The trip blank denoted with an asterisk (*) was analyzed for VOC only. The field duplicate pairs included in this SDG are (13GLM06I02D / 13GLM06I02), (13GLM10S02D / 13GLM10S02), and (13GLM12I02D / 13GLM12I02).

The samples were collected by Tetra Tech NUS on May 15 and 16, 2003 and analyzed by Katahdin Analytical Services and Air Toxics. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B, 8270C, 8270 SIM, 8081A, 8082, and RSK 147/175 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 and system performance
- Initial/continuing calibrations
- Laboratory method and field quality control blank results
- Surrogate spike recoveries
- Blank Spike/Blank Spike Duplicate Results
- * Matrix Spike/Matrix Spike Duplicate Results
- Internal Standard Performance
- Field Duplicate Precision
- * Compound Identification

* • Compound Quantitation
* • Detection Limits

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

Volatile

The initial calibration performed on May 23 exceeded the 30% relative standard deviation (RSD) quality control criteria for MTBE. The results for MTBE were qualified as estimated (UJ) in samples 03GLM0502, 13GLM03D02, 13GLM10I02, 13GLM10S02, and 13GLM10S02D.

The continuing calibration performed on May 27 at 21:59 exceeded the 25% difference quality control criteria for trichlorofluoromethane. The results for trichlorofluoromethane were qualified as estimated (UJ) in samples 03GLM0502, 13GLM03D02, 13GLM10I02, 13GLM10S02, and 13GLM10S02D.

The continuing calibration performed on May 29 at 10:04 exceeded the 25% difference quality control criteria for dichlorodifluoromethane, chloromethane, acetone, MTBE, total-1,2-dichloroethene, 2-butanone, and methyl acetate. The results for the aforementioned compounds were qualified as estimated (J, UJ) in all samples except 03GLM0502, 13GLM03D02, 13GLM10I02, 13GLM10S02, and 13GLM10S02D.

The following compounds were detected in the volatile method blank:

Compound	Maximum Concentration	Blank Action Level
Methylene Chloride	1.0 µg/L	10 µg/L
Trichlorofluoromethane	0.3 µg/L	1.5 µg/L
1,1-Dichloroethene	0.4 µg/L	2.0 µg/L
Carbon disulfide	0.4 µg/L	2.0 µg/L
Toluene	0.3 µg/L	1.5 µg/L
Chlorobenzene	0.3 µg/L	1.5 µg/L
Ethylbenzene	0.5 µg/L	2.5 µg/L
Total xylenes	1.0 µg/L	5.0 µg/L
m+p-Xylenes	0.8 µg/L	4.0 µg/L
o-Xylene	0.3 µg/L	1.5 µg/L
Styrene	0.5 µg/L	2.5 µg/L
Isopropylbenzene	0.6 µg/L	3.0 µg/L
1,1,2,2-Tetrachloroethane	0.4 µg/L	2.0 µg/L
1,3-Dichlorobenzene	0.8 µg/L	4.0 µg/L
1,4-Dichlorobenzene	0.8 µg/L	4.0 µg/L
1,2-Dichlorobenzene	0.7 µg/L	3.5 µg/L
1,2-Dibromo-3-Chloropropane	2.0 µg/L	10.0 µg/L
1,2,4-Trichlorobenzene	2.0 µg/L	10.0 µg/L

Sample aliquot and dilution factors were taken into consideration when applying the blank action levels. All positive results for the aforementioned compounds below the blank action level were qualified as non-detected (U). The trip blank was not qualified for method blank contamination.

Surrogate 2 (1,2-dichloroethane-d4) recovery exceeded the quality control criteria sample 13GLM10S02. The positive results for 1,1,1-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 4-methyl-2-pentanone, acetone, benzene, bromomethane, chloroethane, ethylbenzene, m+p-xylenes, methyl cyclohexane, o-xylene,

toluene, total-xylenes, trichloroethene, trichlorofluoromethane, and vinyl chloride were qualified as estimated (J).

The percent recovery of MTBE was below the quality control criteria in both blank spikes. All results for MTBE were qualified as estimated (UJ).

The results for 1,1-dichloroethane, 1,1-dichloroethene, benzene, and chloroethane exceeded the 50% relative percent difference (RPD) quality control criteria in the field duplicate pair 13GLM12I02 and 13GLM12I02D. The results for 1,1-dichloroethane and chloroethane were qualified as estimated (UJ) in the aforementioned samples. No qualifications were made to 1,1-dichloroethene and benzene on this basis because both results were <2X the reporting limit.

Semivolatile

The continuing calibration performed on June 9 at 18:07 exceeded the 25% difference quality control criteria for benzaldehyde, 2,4-dinitrophenol, 4-nitrophenol, and 4,6-dinitro-2-methylphenol. The results for the aforementioned compounds were qualified as estimated (UJ) in samples 03GLM0502, 13GLM03D02, 13GLM10S02, and 13GLM10S02D.

The continuing calibration performed on June 10 at 16:02 exceeded the 25% difference quality control criteria for benzaldehyde, 2,4-dinitrophenol, atrazine, carbazole, and 4,6-dinitro-2-methylphenol. The results for the aforementioned compounds were qualified as estimated (UJ) in sample 13GLM11I02.

The continuing calibration performed on June 11 at 12:31 exceeded the 25% difference quality control criteria for benzaldehyde, 2,4-dinitrophenol, and 4,6-dinitro-2-methylphenol. The results for the aforementioned compounds were qualified as estimated (UJ) in samples 13GLM10I02, 13GLM11S02, 13GLM08S02, 13GLM08I02, 13GLM15S02, 13GLM15I02, 13GLM14I02, 13GLM04S02, and 13GLM04I02.

The continuing calibration performed on June 12 at 12:56 exceeded the 25% difference quality control criteria for benzaldehyde, 2,4-dinitrophenol, 2,4-dinitrotoluene, 4-nitroaniline, and 4,6-dinitro-2-methylphenol. The results for the aforementioned compounds were qualified as estimated (J, UJ) in samples 13GLM06S02, 13GLM06I02, 13GLM06I02D, 13RL051603, 13GLM12I02, and 13GLM12I02D.

The % recovery of surrogates 2-fluorophenol, phenol-d6, and 2,4,6-tribromophenol were <10% in the method blank WG2353-BLANK. No action was taken on this basis because all associated samples were compliant.

The surrogate 2-fluorophenol was below the percent recovery quality control criteria in the re-extraction of sample 13GLM11I02. No qualifications were made on this basis because the re-extraction of sample 13GLM11I02 was not used for validation.

The blank spike duplicate WG2353-LCSD exceeded the percent recovery quality control criteria for 2,4-dinitrophenol, butylbenzylphthalate, bis(2-ethylhexyl)phthalate, and di-n-octylphthalate. No qualifications were made on this basis because all results for the aforementioned compounds were non-detected.

The internal standard chrysene-d12 was below the percent recovery quality control criteria in sample 03GLM0502. The sample was re-analyzed with internal standard 1,4-dichlorobenzene-d4 below the percent recovery quality control criteria. The original analysis was used for validation. The results for butylbenzylphthalate, 3,3'-dichlorobenzidine, and bis(2-ethylhexyl)phthalate were qualified as estimated (UJ) in sample 03GLM0502.

The internal standards 1,4-dichlorobenzene-d4 and naphthalene-d8 were below the percent recovery quality control criteria in sample 13GLM11I02. The sample was re-extracted out of holding time and re-analyzed

with all internal standards compliant. The original analysis was used for validation due to the holding time non-compliance of the re-extracted sample. The results for phenol, bis(2-chloroethyl)ether, benzaldehyde, 2-chlorophenol, 2,2'-oxybis(1-chloropropane), 2-methylphenol, acetophenone, hexachloroethane, N-nitroso-di-n-propylamine, 4-methylphenol, nitrobenzene, isophorone, 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2,4-dichlorophenol, 4-chloroaniline, hexachlorobutadiene, caprolactam, and 4-chloro-3-methylphenol were qualified as estimated (UJ) in sample 13GLM11I02.

PAH

Samples 13GLM10S02 and 13GLM10S02D exceeded the linear calibration range of the instrument for 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene. The aforementioned samples were re-analyzed at a 20X dilution. The results for 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene from the diluted analyses were transposed to the un-diluted analyses and used for validation.

The continuing calibration performed on June 13 at 11:29 exceeded the 25% RSD quality control criteria for naphthalene and 2-methylnaphthalene. The results for the aforementioned compounds were qualified as estimated (UJ) in samples 03GLM0502, 13GLM03D02, 13GLM10I02, 13GLM11S02, 13GLM11I02, 13GLM08S02, and 13GLM08I02.

The continuing calibration performed on June 14 at 10:03 exceeded the 25% RSD quality control criteria for naphthalene, benzo(a)anthracene, benzo(k)fluoranthene, and 2-methylnaphthalene. The results for the aforementioned compounds were qualified as estimated (J, UJ) in samples 13GLM15S02, 13GLM15I02, 13GLM14I02, 13GLM04S02, 13GLM04I02, 13GLM06S02, 13GLM06I02, 13GLM06I02D, 13RL051603, 13GLM12I02, and 13GLM12I02D. The results for naphthalene and 2-methylnaphthalene were qualified as estimated (J) in sample 13GLM10S02D.

The continuing calibration performed on June 16 at 16:09 exceeded the 25% RSD quality control criteria for phenanthrene. No qualifications were made on this basis because no results for phenanthrene were quantitated using this calibration.

The surrogate fluorene-d10 was below the percent recovery quality control criteria in samples 13GLM10S02 and 13GLM10S02D. The samples were re-analyzed at 20X dilutions due to linear calibration range exceedances. The re-analyses had 0% recovery for all surrogates due to the 20X dilution. All results except 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene were qualified as estimated (J, UJ) in the aforementioned samples.

The internal standard acenaphthene-d10 exceeded the percent recovery quality control criteria in samples 13GLM10S02 and 13GLM10S02D. The samples were re-analyzed at a 20X dilution with compliant results. The results for acenapthylene, acenaphthene, and fluorene (J, UJ) were qualified as estimated in the aforementioned samples.

The relative percent difference (RPD) of 2-methylnaphthalene exceeded the quality control criteria in the LCS/LCSD of sample WG2367. No qualifications were made on this basis because the percent recoveries were both compliant.

Pesticides

The continuing calibration analyzed on June 9 at 19:12 exceeded the 15 %D quality control criteria for 4,4'-DDD on the RTX-CLPI column. No action was taken because the RTX-CLPII was compliant.

The continuing calibration analyzed on June 10 at 8:42 exceeded the 15 %D quality control criteria for 4,4'-

DDD and methoxychlor on the RTX-CLPI column. No action was taken because the RTX-CLPII was compliant.

The percent recoveries of delta-BHC, 4,4'-DDD, endrin aldehyde, endosulfan sulfate, and endrin ketone were below the laboratory's quality control criteria in the LCSD. No qualifications were made on this basis because the LCS was compliant.

The percent recovery of 4,4'-DDT was below the quality control criteria in the LCS/LCSD. The result for 4,4'-DDT was qualified as estimated (UJ).

PCB

The surrogate decachlorobiphenyl was below the percent recovery quality control criteria on both columns in sample 03GLM0502. All results were qualified as estimated (UJ) in sample 03GLM0502.

Organic Volatile Gases

The units on the Form I's don't match the EDD. The results on the Form I's are reported as ug/mL and the EDD is reported as ug/L. The validator corrected the results in the database to show the correct converted value in ug/L.

Additional Comments

Positive results reported below the Reporting Limit (RL) were qualified as estimated, (J).

EXECUTIVE SUMMARY

Laboratory Performance Issues: Qualifications were made based on calibration non-compliances, method blank contamination, and blank spike non-compliances.

Other Factors Affecting Data Quality: Qualifications were made based on internal standard non-compliances, MS/MSD non-compliances, surrogate recovery non-compliances, and field duplicate imprecision.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines "Navy Installation Restoration Program Laboratory Quality Assurance Guide" (February, 1996). The text of this report has been formulated to address only those problem areas affecting data quality.

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

Bernard F Spada III

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

Edward Sedlmeyer /for

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % 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 (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; i.e.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 less than sample activity

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	03GLM0502
samp_date	5/15/2003
lab_id	WT1148-1
qc_type	NM
units	UG/L
Pct_Solids	0
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	2	J	P
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	03GLM0502
samp_date	5/15/2003
lab_id	WT1148-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	A
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM03D02
samp_date	5/15/2003
lab_id	WT1148-3
qc_type	NM
units	UG/L
Pct_Solids	0
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM03D02
samp_date	5/15/2003
lab_id	WT1148-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM04I02
samp_date	5/16/2003
lab_id	WT1160-14
qc_type	NM
units	UG/L
Pct_Solids	0
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	26		
1,1-DICHLOROETHENE	5	U	A
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	0.9	J	P

nsample	13GLM04I02
samp_date	5/16/2003
lab_id	WT1160-14
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM04S02
samp_date	5/16/2003
lab_id	WT1160-12
qc_type	NM
units	UG/L
Pct_Solids	0
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	0.5	J	P
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM04S02
samp_date	5/16/2003
lab_id	WT1160-12
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM06I02
samp_date	5/16/2003
lab_id	WT1160-18
qc_type	NM
units	UG/L
Pct_Solids	0
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	4	J	P
1,1-DICHLOROETHENE	5	U	A
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	6		
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM06I02
samp_date	5/16/2003
lab_id	WT1160-18
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM06I02D
samp_date	5/16/2003
lab_id	WT1160-20
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM06I02

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	6		
1,1-DICHLOROETHENE	5	U	A
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM06I02D
samp_date	5/16/2003
lab_id	WT1160-20
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM06I02

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM06S02	nsample	13GLM06S02	nsample	13GLM08I02
samp_date	5/16/2003	samp_date	5/16/2003	samp_date	5/16/2003
lab_id	WT1160-17	lab_id	WT1160-17	lab_id	WT1160-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		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	1	J	P
1,1-DICHLOROETHENE	5	U	A
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5		
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM08I02
samp_date	5/16/2003
lab_id	WT1160-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	A
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM08S02
samp_date	5/16/2003
lab_id	WT1160-1
qc_type	NM
units	UG/L
Pct_Solids	0
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM08S02
samp_date	5/16/2003
lab_id	WT1160-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	A
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	A
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM10I02
samp_date	5/15/2003
lab_id	WT1148-9
qc_type	NM
units	UG/L
Pct_Solids	0
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	3	J	P
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM10I02
samp_date	5/15/2003
lab_id	WT1148-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	0.2	J	P
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	A
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	A
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	A
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	A
VINYL CHLORIDE	5	U	

nsample	13GLM10S02
samp_date	5/15/2003
lab_id	WT1148-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	120	J	R
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	110	J	R
1,1-DICHLOROETHENE	10	J	R
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	A
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	3	J	PR
ACETONE	17	J	R
BENZENE	1	J	PR
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	3	J	PR
CARBON DISULFIDE	5	U	A
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	2	J	PR
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM10S02
samp_date	5/15/2003
lab_id	WT1148-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	52	J	R
ISOPROPYLBENZENE	5	U	A
M+P-XYLENES	130	J	R
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	3	J	PR
METHYL TERT-BUTYL ETHER	5	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	54	J	R
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	170	J	R
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	190	J	R
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	6	J	R
TRICHLOROFLUOROMETHANE	2	J	PR
VINYL CHLORIDE	0.2	J	PR

nsample	13GLM10S02D
samp_date	5/15/2003
lab_id	WT1148-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM10S02

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	130		
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	100		
1,1-DICHLOROETHENE	12		
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	A
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	6		
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	2	J	P
ACETONE	17		
BENZENE	1	J	P
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	2	J	P
CARBON DISULFIDE	5	U	A
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	2	J	P
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM10S02D
samp_date	5/15/2003
lab_id	WT1148-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM10S02

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	2	J	P
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	52		
ISOPROPYLBENZENE	5	U	A
M+P-XYLENES	160		
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	3	J	P
METHYL TERT-BUTYL ETHER	5	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	66		
STYRENE	5	U	
TETRACHLOROETHENE	0.6	J	P
TOLUENE	150		
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	230		
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	6		
TRICHLOROFLUOROMETHANE	3	J	P
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM11I02
samp_date	5/15/2003
lab_id	WT1148-13
qc_type	NM
units	UG/L
Pct_Solids	0
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	9		
1,1-DICHLOROETHENE	5	U	A
1,2,4-TRICHLOROBENZENE	5	U	A
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	A
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	A
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	A
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM11I02
samp_date	5/15/2003
lab_id	WT1148-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	A
M+P-XYLENES	5	U	A
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM11S02
samp_date	5/15/2003
lab_id	WT1148-11
qc_type	NM
units	UG/L
Pct_Solids	0
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	2	J	P
1,1-DICHLOROETHENE	5	U	A
1,2,4-TRICHLOROBENZENE	5	U	A
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	A
1,4-DICHLOROBENZENE	5	U	A
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	A
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM11S02
samp_date	5/15/2003
lab_id	WT1148-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	A
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	A
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM12I02
samp_date	5/16/2003
lab_id	WT1160-25
qc_type	NM
units	UG/L
Pct_Solids	0
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	9	J	G
1,1-DICHLOROETHENE	4	J	P
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	A
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	J	G
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	J	P
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM12I02
samp_date	5/16/2003
lab_id	WT1160-25
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM12I02D	nsample	13GLM12I02D	nsample	13GLM14I02
samp_date	5/16/2003	samp_date	5/16/2003	samp_date	5/16/2003
lab_id	WT1160-27	lab_id	WT1160-27	lab_id	WT1160-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:	13GLM12I02	DUP_OF:	13GLM12I02	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	17	J	G
1,1-DICHLOROETHENE	7		
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	1	J	P
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	10	J	G
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	A
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

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	13		
1,1-DICHLOROETHENE	11		
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	2	J	P
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	7		
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	3	J	P

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM14I02
samp_date	5/16/2003
lab_id	WT1160-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	A
ISOPROPYLBENZENE	5	U	A
M+P-XYLENES	5	U	A
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	A
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	3	J	P
TOTAL XYLENES	5	U	A
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM15I02
samp_date	5/16/2003
lab_id	WT1160-7
qc_type	NM
units	UG/L
Pct_Solids	0
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		
1,1-DICHLOROETHENE	5	U	A
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	0.2	J	P
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	6		
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	0.3	J	P
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM15I02
samp_date	5/16/2003
lab_id	WT1160-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	3	J	P
METHYL TERT-BUTYL ETHER	5	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM15S02
samp_date	5/16/2003
lab_id	WT1160-5
qc_type	NM
units	UG/L
Pct_Solids	0
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM15S02
samp_date	5/16/2003
lab_id	WT1160-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13RL051603
samp_date	5/16/2003
lab_id	WT1160-22
qc_type	NM
units	UG/L
Pct_Solids	0
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	2	J	P
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OV

nsample	13RL051603
samp_date	5/16/2003
lab_id	WT1160-22
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13TB051603
samp_date	5/16/2003
lab_id	WT1160-24
qc_type	NM
units	UG/L
Pct_Solids	0
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13TB051603
samp_date	5/16/2003
lab_id	WT1160-24
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	E
METHYLENE CHLORIDE	0.8	J	P
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	03GLM0502
samp_date	5/15/2003
lab_id	WT1148-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	UJ	N
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	UJ	C
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	UJ	N

nsample	03GLM0502
samp_date	5/15/2003
lab_id	WT1148-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	UJ	N
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM03D02
samp_date	5/15/2003
lab_id	WT1148-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	UJ	C
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM03D02
samp_date	5/15/2003
lab_id	WT1148-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM04I02
samp_date	5/16/2003
lab_id	WT1160-14
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM04I02
samp_date	5/16/2003
lab_id	WT1160-14
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM04S02
samp_date	5/16/2003
lab_id	WT1160-12
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM04S02
samp_date	5/16/2003
lab_id	WT1160-12
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM06I02
samp_date	5/16/2003
lab_id	WT1160-18
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	UJ	C
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	UJ	C
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM06I02
samp_date	5/16/2003
lab_id	WT1160-18
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM06I02D
samp_date	5/16/2003
lab_id	WT1160-20
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM06I02

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	UJ	C
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	UJ	C
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM06I02D
samp_date	5/16/2003
lab_id	WT1160-20
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM06I02

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM06S02
samp_date	5/16/2003
lab_id	WT1160-16
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	UJ	C
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	UJ	C
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM06S02
samp_date	5/16/2003
lab_id	WT1160-16
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM08I02
samp_date	5/16/2003
lab_id	WT1160-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM08I02
samp_date	5/16/2003
lab_id	WT1160-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM08S02
samp_date	5/16/2003
lab_id	WT1160-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM08S02
samp_date	5/16/2003
lab_id	WT1160-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM10I02
samp_date	5/15/2003
lab_id	WT1148-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM10I02
samp_date	5/15/2003
lab_id	WT1148-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM10S02
samp_date	5/15/2003
lab_id	WT1148-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	45		
4-NITROANILINE	25	U	
4-NITROPHENOL	25	UJ	C
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM10S02
samp_date	5/15/2003
lab_id	WT1148-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	2	J	P

nsample	13GLM10S02D
samp_date	5/15/2003
lab_id	WT1148-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM10S02

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	41		
4-NITROANILINE	25	U	
4-NITROPHENOL	25	UJ	C
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM10S02D
samp_date	5/15/2003
lab_id	WT1148-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM10S02

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	10	U	
DIBENZOFURAN	2	J	P
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	2	J	P

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM11I02
samp_date	5/15/2003
lab_id	WT1148-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	N
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	UJ	N
2,4-DIMETHYLPHENOL	10	UJ	N
2,4-DINITROPHENOL	25	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	UJ	N
2-METHYLPHENOL	10	UJ	N
2-NITROANILINE	25	U	
2-NITROPHENOL	10	UJ	N
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	UJ	N
4-CHLOROANILINE	10	UJ	N
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	10	UJ	N
4-NITROANILINE	25	U	
4-NITROPHENOL	25	UJ	C
ACETOPHENONE	10	UJ	N
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	CN
BIS(2-CHLOROETHOXY)METHANE	10	UJ	N
BIS(2-CHLOROETHYL)ETHER	10	UJ	N
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM11I02
samp_date	5/15/2003
lab_id	WT1148-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	UJ	N
CARBAZOLE	10	UJ	C
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	UJ	N
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	UJ	N
ISOPHORONE	10	UJ	N
NITROBENZENE	10	UJ	N
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	N
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	UJ	N

nsample	13GLM11S02
samp_date	5/15/2003
lab_id	WT1148-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM11S02
samp_date	5/15/2003
lab_id	WT1148-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM12I02
samp_date	5/16/2003
lab_id	WT1160-25
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	UJ	C
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	UJ	C
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM12I02
samp_date	5/16/2003
lab_id	WT1160-25
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM12I02D
samp_date	5/16/2003
lab_id	WT1160-27
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM12I02

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	UJ	C
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	UJ	C
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM12I02D
samp_date	5/16/2003
lab_id	WT1160-27
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM12I02

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM14I02
samp_date	5/16/2003
lab_id	WT1160-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM14I02
samp_date	5/16/2003
lab_id	WT1160-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM15I02
samp_date	5/16/2003
lab_id	WT1160-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM15I02
samp_date	5/16/2003
lab_id	WT1160-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM15S02	nsample	13GLM15S02	nsample	13RL051603
samp_date	5/16/2003	samp_date	5/16/2003	samp_date	5/16/2003
lab_id	WT1160-5	lab_id	WT1160-5	lab_id	WT1160-22
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	UJ	C
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	UJ	C
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	0.9	J	P
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OS

nsample	13RL051603
samp_date	5/16/2003
lab_id	WT1160-22
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: PAH

nsample	03GLM0502
samp_date	5/15/2003
lab_id	WT1148-2
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM03D02
samp_date	5/15/2003
lab_id	WT1148-4
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM04I02
samp_date	5/16/2003
lab_id	WT1160-15
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.82		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.97		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM04S02
samp_date	5/16/2003
lab_id	WT1160-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM06I02
samp_date	5/16/2003
lab_id	WT1160-19
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.3		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.32		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM06I02D
samp_date	5/16/2003
lab_id	WT1160-21
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM06I02

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.43		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.34		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM06S02
samp_date	5/16/2003
lab_id	WT1160-17
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM08I02
samp_date	5/16/2003
lab_id	WT1160-4
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM08S02
samp_date	5/16/2003
lab_id	WT1160-2
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM10I02	nsample	13GLM10S02	nsample	13GLM10S02D
samp_date	5/15/2003	samp_date	5/15/2003	samp_date	5/15/2003
lab_id	WT1148-10	lab_id	WT1148-6	lab_id	WT1148-8
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	13GLM10S02

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	15		
2-METHYLNAPHTHALENE	40		
ACENAPHTHENE	0.3	J	NR
ACENAPHTHYLENE	0.2	J	NR
ANTHRACENE	0.12	J	PR
BENZO(A)ANTHRACENE	0.2	UJ	R
BENZO(A)PYRENE	0.2	UJ	R
BENZO(B)FLUORANTHENE	0.2	UJ	R
BENZO(G,H,I)PERYLENE	0.2	UJ	R
BENZO(K)FLUORANTHENE	0.2	UJ	R
CHRYSENE	0.2	UJ	R
DIBENZO(A,H)ANTHRACENE	0.2	UJ	R
FLUORANTHENE	0.2	UJ	R
FLUORENE	0.54	J	NR
INDENO(1,2,3-CD)PYRENE	0.2	U	NR
NAPHTHALENE	33		
PHENANTHRENE	0.56	J	R
PYRENE	0.2	UJ	R

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	16		
2-METHYLNAPHTHALENE	35	J	C
ACENAPHTHENE	0.31	J	NR
ACENAPHTHYLENE	0.2	UJ	NR
ANTHRACENE	0.16	J	PR
BENZO(A)ANTHRACENE	0.2	UJ	R
BENZO(A)PYRENE	0.2	UJ	R
BENZO(B)FLUORANTHENE	0.2	UJ	R
BENZO(G,H,I)PERYLENE	0.2	UJ	R
BENZO(K)FLUORANTHENE	0.2	UJ	R
CHRYSENE	0.2	UJ	R
DIBENZO(A,H)ANTHRACENE	0.2	UJ	R
FLUORANTHENE	0.2	UJ	R
FLUORENE	0.5	J	NR
INDENO(1,2,3-CD)PYRENE	0.2	UJ	R
NAPHTHALENE	29	J	C
PHENANTHRENE	0.8	J	R
PYRENE	0.2	UJ	R

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM11I02
samp_date	5/15/2003
lab_id	WT1148-14
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM11S02
samp_date	5/15/2003
lab_id	WT1148-12
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.38		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.24		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM12I02
samp_date	5/16/2003
lab_id	WT1160-26
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	1.9		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	1.5		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.1	J	CP
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM12I02D
samp_date	5/16/2003
lab_id	WT1160-28
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM12I02

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	1.9		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	1.5		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM14I02
samp_date	5/16/2003
lab_id	WT1160-10
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.88	J	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM15I02
samp_date	5/16/2003
lab_id	WT1160-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.5		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.42		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM15S02	nsample	13RL051603
samp_date	5/16/2003	samp_date	5/16/2003
lab_id	WT1160-6	lab_id	WT1160-23
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	UJ	C
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	UJ	C
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	03GLM0502
samp_date	5/15/2003
lab_id	WT1148-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.10	U	
4,4'-DDE	0.10	U	
4,4'-DDT	0.10	UJ	E
ALDRIN	0.050	U	
ALPHA-BHC	0.050	U	
ALPHA-CHLORDANE	0.050	U	
AROCLOR-1016	0.50	UJ	R
AROCLOR-1221	0.50	UJ	R
AROCLOR-1232	0.50	UJ	R
AROCLOR-1242	0.50	UJ	R
AROCLOR-1248	0.50	UJ	R
AROCLOR-1254	0.50	UJ	R
AROCLOR-1260	0.50	UJ	R
BETA-BHC	0.050	U	
DELTA-BHC	0.050	U	
DIELDRIN	0.10	U	
ENDOSULFAN I	0.050	U	
ENDOSULFAN II	0.10	U	
ENDOSULFAN SULFATE	0.10	U	
ENDRIN	0.10	U	
ENDRIN ALDEHYDE	0.10	U	
ENDRIN KETONE	0.10	U	
GAMMA-BHC (LINDANE)	0.050	U	
GAMMA-CHLORDANE	0.050	U	
HEPTACHLOR	0.050	U	
HEPTACHLOR EPOXIDE	0.050	U	
METHOXYCHLOR	0.50	U	
TOXAPHENE	1.0	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM03D02
samp_date	5/15/2003
lab_id	0305387-01A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	48		

nsample	13GLM04I02
samp_date	5/16/2003
lab_id	0305384-07A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	1000		

nsample	13GLM04S02
samp_date	5/16/2003
lab_id	0305384-06A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	97		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM06I02	nsample	13GLM06I02D	nsample	13GLM06S02
samp_date	5/16/2003	samp_date	5/16/2003	samp_date	5/16/2003
lab_id	0305384-09A	lab_id	0305384-10A	lab_id	0305384-08A
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	13GLM06I02	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	18		

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	18		

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	22		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM08I02	nsample	13GLM08S02	nsample	13GLM10I02
samp_date	5/16/2003	samp_date	5/16/2003	samp_date	5/15/2003
lab_id	0305384-02A	lab_id	0305384-01A	lab_id	0305387-04A
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	36		

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM10S02
samp_date	5/15/2003
lab_id	0305387-02A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	32		

nsample	13GLM10S02D
samp_date	5/15/2003
lab_id	0305387-03A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	13GLM10S02

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	34		

nsample	13GLM11I02
samp_date	5/15/2003
lab_id	0305387-06A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	600		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM11S02	nsample	13GLM12I02	nsample	13GLM12I02D
samp_date	5/15/2003	samp_date	5/16/2003	samp_date	5/16/2003
lab_id	0305387-05A	lab_id	0305384-11A	lab_id	0305384-12A
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	13GLM12I02

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	21		

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	94		

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	120		

PROJ_NO: 9061

SDG: 2873 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM14I02	nsample	13GLM15I02	nsample	13GLM15S02
samp_date	5/16/2003	samp_date	5/16/2003	samp_date	5/16/2003
lab_id	0305384-05A	lab_id	0305384-04A	lab_id	0305384-03A
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	210		

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	400		

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-1
Client ID: 03GLM0502
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	2	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	1	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-1
Client ID: 03GLM0502
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		121%				
17060-07-0	1,2-Dichloroethane-D4		133%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech Nus, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-3
Client ID: 13GLM03D02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech Nus, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-3
Client ID: 13GLM03D02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		114%				
17060-07-0	1,2-Dichloroethane-D4		125%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		106%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-14
Client ID: 13GLM04I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	JB	2	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		26	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	J	0.9	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-14
Client ID: 13GLM04I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		114%				
17060-07-0	1,2-Dichloroethane-D4		114%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-12
Client ID: 13GLM04S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	J	0.5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-12
Client ID: 13GLM04S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		121%				
17060-07-0	1,2-Dichloroethane-D4		122%				
2037-26-5	Toluene-D8		107%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-18
Client ID: 13GLM06I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane		6	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	JB	1.0	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	J	4	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-18
Client ID: 13GLM06I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		115%				
17060-07-0	1,2-Dichloroethane-D4		111%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-20
Client ID: 13GLM06I02D
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	JB	0.9	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		6	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-20
Client ID: 13GLM06I02D
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		118%				
17060-07-0	1,2-Dichloroethane-D4		117%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-17
Client ID: 13GLM06S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane		5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	JB	0.5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	J	1	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-17
Client ID: 13GLM06S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		116%				
17060-07-0	1,2-Dichloroethane-D4		118%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-3
Client ID: 13GLM08I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	JB	0.2	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-3
Client ID: 13GLM08I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		115%				
17060-07-0	1,2-Dichloroethane-D4		121%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-1
Client ID: 13GLM08S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	JB	0.2	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	JB	0.2	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-1
Client ID: 13GLM08S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		116%				
17060-07-0	1,2-Dichloroethane-D4		112%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech Nus, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-9
Client ID: 13GLM10I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	J	0.4	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	J	3	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	0.3	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	J	0.2	1.0	5	5	0.1
1330-20-7	Xylenes (total)	J	0.4	1.0	5	5	0.3
	m+p-Xylenes	J	0.4	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech Nus, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-9
Client ID: 13GLM10I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		120%				
17060-07-0	1,2-Dichloroethane-D4		134%				
2037-26-5	Toluene-D8		107%				
460-00-4	P-Bromofluorobenzene		113%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech Nus, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-5
Client ID: 13GLM10S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	J	0.2	1.0	5	5	0.1
74-83-9	Bromomethane	J	3	1.0	5	5	0.9
75-00-3	Chloroethane	J	2	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	J	2	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene		10	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.2	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone		17	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		110	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane		120	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	J	1	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene		6	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene		170	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	J	3	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene		52	1.0	5	5	0.1
1330-20-7	Xylenes (total)		190	1.0	5	5	0.3
	m+p-Xylenes		130	1.0	5	5	0.2
95-47-6	o-Xylene		54	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	J	2	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech Nus, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-5
Client ID: 13GLM10S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	J	0.7	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	J	3	1.0	5	5	2
1868-53-7	Dibromofluoromethane		127%				
17060-07-0	1,2-Dichloroethane-D4		*145%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		109%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech Nus, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-7
Client ID: 13GLM10S02D
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	2	1.0	5	5	0.9
75-00-3	Chloroethane	J	2	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	J	3	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene		12	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.3	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone		17	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		100	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane		130	1.0	5	5	0.7
78-93-3	2-Butanone		6	1.0	5	5	2
71-43-2	Benzene	J	1	1.0	5	5	0.1
1735-17-7	Cyclohexane	J	2	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene		6	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene		150	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	J	2	1.0	5	5	2
127-18-4	Tetrachloroethene	J	0.6	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene		52	1.0	5	5	0.1
1330-20-7	Xylenes (total)		230	1.0	5	5	0.3
	m+p-Xylenes		160	1.0	5	5	0.2
95-47-6	o-Xylene		66	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	J	2	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech Nus, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-7
Client ID: 13GLM10S02D
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	J	0.4	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	J	3	1.0	5	5	2
1868-53-7	Dibromofluoromethane		120%				
17060-07-0	1,2-Dichloroethane-D4		135%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		116%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-13
Client ID: 13GLM11I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	JB	2	1.0	5	5	0.3
75-15-0	Carbon Disulfide	JB	0.2	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		9	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	JB	0.3	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	JB	0.2	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	JB	0.2	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-13
Client ID: 13GLM11I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	JB	0.2	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	JB	0.4	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		114%				
17060-07-0	1,2-Dichloroethane-D4		114%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-11
Client ID: 13GLM11S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	JB	0.6	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	J	2	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	JB	0.2	1.0	5	5	0.2
100-41-4	Ethylbenzene	JB	0.2	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	JB	0.2	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-11
Client ID: 13GLM11S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	JB	0.2	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	JB	0.2	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	JB	0.4	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		110%				
17060-07-0	1,2-Dichloroethane-D4		110%				
2037-26-5	Toluene-D8		107%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-25
Client ID: 13GLM12I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane		5	1.0	5	5	0.9
75-00-3	Chloroethane	J	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	JB	4	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		9	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	J	0.5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-25
Client ID: 13GLM12I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		120%				
17060-07-0	1,2-Dichloroethane-D4		117%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-27
Client ID: 13GLM12I02D
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane		10	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	B	7	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		17	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	J	1.0	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	JB	0.2	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-27
Client ID: 13GLM12I02D
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		114%				
17060-07-0	1,2-Dichloroethane-D4		118%				
2037-26-5	Toluene-D8		107%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-9
Client ID: 13GLM14I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane		7	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	B	11	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		13	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	J	3	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	J	3	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	J	2	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	JB	1	1.0	5	5	0.1
1330-20-7	Xylenes (total)	JB	0.8	1.0	5	5	0.3
	m+p-Xylenes	JB	0.6	1.0	5	5	0.2
95-47-6	o-Xylene	JB	0.2	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	JB	0.3	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-9
Client ID: 13GLM14I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		117%				
17060-07-0	1,2-Dichloroethane-D4		115%				
2037-26-5	Toluene-D8		107%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-7
Client ID: 13GLM15I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane		6	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	JB	0.6	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	J	0.3	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	J	0.2	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-7
Client ID: 13GLM15I02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	J	3	1.0	5	5	2
1868-53-7	Dibromofluoromethane		117%				
17060-07-0	1,2-Dichloroethane-D4		120%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-5
Client ID: 13GLM15S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-5
Client ID: 13GLM15S02
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		114%				
17060-07-0	1,2-Dichloroethane-D4		120%				
2037-26-5	Toluene-D8		108%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-22
Client ID: 13RL051603
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	J	2	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-22
Client ID: 13RL051603
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		118%				
17060-07-0	1,2-Dichloroethane-D4		117%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-24
Client ID: 13TB051603
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	JB	0.8	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-24
Client ID: 13TB051603
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		116%				
17060-07-0	1,2-Dichloroethane-D4		116%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-1
Client ID: 03GLM0502
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-1
Client ID: 03GLM0502
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		69%				
13127-88-3	Phenol-D6		68%				
4165-60-0	Nitrobenzene-D5		76%				
321-60-8	2-Fluorobiphenyl		85%				
118-79-6	2,4,6-Tribromophenol		77%				
1718-51-0	Terphenyl-D14		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-1RA
Client ID: 03GLM0502
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-1RA
Client ID: 03GLM0502
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		73%				
13127-88-3	Phenol-D6		76%				
4165-60-0	Nitrobenzene-D5		74%				
321-60-8	2-Fluorobiphenyl		80%				
118-79-6	2,4,6-Tribromophenol		96%				
1718-51-0	Terphenyl-D14		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-3
Client ID: 13GLM03D02
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-3
Client ID: 13GLM03D02
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		58%				
13127-88-3	Phenol-D6		61%				
4165-60-0	Nitrobenzene-D5		76%				
321-60-8	2-Fluorobiphenyl		74%				
118-79-6	2,4,6-Tribromophenol		118%				
1718-51-0	Terphenyl-D14		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-14
Client ID: 13GLM04I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-14
Client ID: 13GLM04I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		31%				
4165-60-0	Nitrobenzene-D5		84%				
321-60-8	2-Fluorobiphenyl		82%				
118-79-6	2,4,6-Tribromophenol		72%				
1718-51-0	Terphenyl-D14		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-12
Client ID: 13GLM04S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-12
Client ID: 13GLM04S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		46%				
13127-88-3	Phenol-D6		28%				
4165-60-0	Nitrobenzene-D5		67%				
321-60-8	2-Fluorobiphenyl		71%				
118-79-6	2,4,6-Tribromophenol		88%				
1718-51-0	Terphenyl-D14		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-18
Client ID: 13GLM06I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-18
Client ID: 13GLM06I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		56%				
13127-88-3	Phenol-D6		36%				
4165-60-0	Nitrobenzene-D5		90%				
321-60-8	2-Fluorobiphenyl		82%				
118-79-6	2,4,6-Tribromophenol		104%				
1718-51-0	Terphenyl-D14		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-20
Client ID: 13GLM06I02D
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-20
Client ID: 13GLM06I02D
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		55%				
13127-88-3	Phenol-D6		34%				
4165-60-0	Nitrobenzene-D5		92%				
321-60-8	2-Fluorobiphenyl		76%				
118-79-6	2,4,6-Tribromophenol		92%				
1718-51-0	Terphenyl-D14		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-16
Client ID: 13GLM06S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-16
Client ID: 13GLM06S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		61%				
13127-88-3	Phenol-D6		42%				
4165-60-0	Nitrobenzene-D5		97%				
321-60-8	2-Fluorobiphenyl		91%				
118-79-6	2,4,6-Tribromophenol		94%				
1718-51-0	Terphenyl-D14		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-3
Client ID: 13GLM08I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-3
Client ID: 13GLM08I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		49%				
13127-88-3	Phenol-D6		32%				
4165-60-0	Nitrobenzene-D5		73%				
321-60-8	2-Fluorobiphenyl		62%				
118-79-6	2,4,6-Tribromophenol		93%				
1718-51-0	Terphenyl-D14		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-1
Client ID: 13GLM08S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-1
Client ID: 13GLM08S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		54%				
13127-88-3	Phenol-D6		34%				
4165-60-0	Nitrobenzene-D5		81%				
321-60-8	2-Fluorobiphenyl		85%				
118-79-6	2,4,6-Tribromophenol		111%				
1718-51-0	Terphenyl-D14		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-9
Client ID: 13GLM10I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-9
Client ID: 13GLM10I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		48%				
13127-88-3	Phenol-D6		28%				
4165-60-0	Nitrobenzene-D5		72%				
321-60-8	2-Fluorobiphenyl		74%				
118-79-6	2,4,6-Tribromophenol		94%				
1718-51-0	Terphenyl-D14		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-5
Client ID: 13GLM10S02
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	J	2	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol		45	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-5
Client ID: 13GLM10S02
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		70%				
13127-88-3	Phenol-D6		71%				
4165-60-0	Nitrobenzene-D5		95%				
321-60-8	2-Fluorobiphenyl		92%				
118-79-6	2,4,6-Tribromophenol		101%				
1718-51-0	Terphenyl-D14		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-7
Client ID: 13GLM10S02D
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	J	2	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol		41	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	J	2	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-7
Client ID: 13GLM10S02D
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		65%				
13127-88-3	Phenol-D6		68%				
4165-60-0	Nitrobenzene-D5		96%				
321-60-8	2-Fluorobiphenyl		98%				
118-79-6	2,4,6-Tribromophenol		113%				
1718-51-0	Terphenyl-D14		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-13
Client ID: 13GLM11I02
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-13
Client ID: 13GLM11I02
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		33%				
4165-60-0	Nitrobenzene-D5		77%				
321-60-8	2-Fluorobiphenyl		76%				
118-79-6	2,4,6-Tribromophenol		103%				
1718-51-0	Terphenyl-D14		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-13RE
Client ID: 13GLM11I02
SDG: CTO287-3
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-13RE
Client ID: 13GLM11I02
SDG: CTO287-3
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		* 18%				
13127-88-3	Phenol-D6		42%				
4165-60-0	Nitrobenzene-D5		56%				
321-60-8	2-Fluorobiphenyl		63%				
118-79-6	2,4,6-Tribromophenol		20%				
1718-51-0	Terphenyl-D14		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-11
Client ID: 13GLM11S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-11
Client ID: 13GLM11S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		59%				
13127-88-3	Phenol-D6		36%				
4165-60-0	Nitrobenzene-D5		83%				
321-60-8	2-Fluorobiphenyl		75%				
118-79-6	2,4,6-Tribromophenol		103%				
1718-51-0	Terphenyl-D14		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-25
Client ID: 13GLM12I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-25
Client ID: 13GLM12I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		30%				
4165-60-0	Nitrobenzene-D5		82%				
321-60-8	2-Fluorobiphenyl		78%				
118-79-6	2,4,6-Tribromophenol		98%				
1718-51-0	Terphenyl-D14		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-27
Client ID: 13GLM12I02D
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	1
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	2
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-27
Client ID: 13GLM12I02D
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	9
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	9
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	9
1912-24-9	Atrazine	U	10	1.0	10	10	9
367-12-4	2-Fluorophenol		48%				
13127-88-3	Phenol-D6		31%				
4165-60-0	Nitrobenzene-D5		94%				
321-60-8	2-Fluorobiphenyl		76%				
118-79-6	2,4,6-Tribromophenol		95%				
1718-51-0	Terphenyl-D14		55%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-9
Client ID: 13GLM14I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-9
Client ID: 13GLM14I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		42%				
13127-88-3	Phenol-D6		25%				
4165-60-0	Nitrobenzene-D5		78%				
321-60-8	2-Fluorobiphenyl		73%				
118-79-6	2,4,6-Tribromophenol		64%				
1718-51-0	Terphenyl-D14		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-7
Client ID: 13GLM15I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-7
Client ID: 13GLM15I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		55%				
13127-88-3	Phenol-D6		32%				
4165-60-0	Nitrobenzene-D5		80%				
321-60-8	2-Fluorobiphenyl		77%				
118-79-6	2,4,6-Tribromophenol		105%				
1718-51-0	Terphenyl-D14		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-5
Client ID: 13GLM15S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/11/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-5
Client ID: 13GLM15S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		57%				
13127-88-3	Phenol-D6		34%				
4165-60-0	Nitrobenzene-D5		80%				
321-60-8	2-Fluorobiphenyl		74%				
118-79-6	2,4,6-Tribromophenol		102%				
1718-51-0	Terphenyl-D14		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-22
Client ID: 13RL051603
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/12/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-22
Client ID: 13RL051603
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	J	0.9	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		60%				
13127-88-3	Phenol-D6		36%				
4165-60-0	Nitrobenzene-D5		87%				
321-60-8	2-Fluorobiphenyl		78%				
118-79-6	2,4,6-Tribromophenol		96%				
1718-51-0	Terphenyl-D14		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-2
Client ID: 03GLM0502
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.087
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		59%				
81103-79-9	Fluorene-d10		94%				
1718-52-1	Pyrene-d10		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-4
Client ID: 13GLM03D02
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		54%				
81103-79-9	Fluorene-d10		91%				
1718-52-1	Pyrene-d10		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-15
Client ID: 13GLM04I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene		0.82	1.0	0.20	0.20	0.078
86-73-7	Fluorene		0.97	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		70%				
81103-79-9	Fluorene-d10		101%				
1718-52-1	Pyrene-d10		65%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-13
Client ID: 13GLM04S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		59%				
81103-79-9	Fluorene-d10		96%				
1718-52-1	Pyrene-d10		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-19
Client ID: 13GLM06I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		0.30	1.0	0.20	0.20	0.078
86-73-7	Fluorene		0.32	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.087
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		74%				
81103-79-9	Fluorene-d10		106%				
1718-52-1	Pyrene-d10		69%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-21
Client ID: 13GLM06I02D
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene		0.43	1.0	0.20	0.20	0.078
86-73-7	Fluorene		0.34	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		60%				
81103-79-9	Fluorene-d10		91%				
1718-52-1	Pyrene-d10		61%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-17
Client ID: 13GLM06S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367 06-30-03
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.0050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.0079
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.0050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.0079
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.0059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.0079
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.0079
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.011
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.0089
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.012
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.0069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.0089
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.0079
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.0089
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.0099
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.015
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.0079
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.0079
7297-45-2	2-Methylnaphthalene-d10		56%				
81103-79-9	Fluorene-d10		87%				
1718-52-1	Pyrene-d10		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-4
Client ID: 13GLM08I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		56%				
81103-79-9	Fluorene-d10		68%				
1718-52-1	Pyrene-d10		69%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-2
Client ID: 13GLM08S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		75%				
81103-79-9	Fluorene-d10		68%				
1718-52-1	Pyrene-d10		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/22/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-10
Client ID: 13GLM10I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		59%				
81103-79-9	Fluorene-d10		90%				
1718-52-1	Pyrene-d10		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-6
Client ID: 13GLM10S02
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	12	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	E	16	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene		0.30	1.0	0.20	0.20	0.078
86-73-7	Fluorene		0.54	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene		0.56	1.0	0.20	0.20	0.078
120-12-7	Anthracene	J	0.12	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	E	8.6	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		73%				
81103-79-9	Fluorene-d10		* 14%				
1718-52-1	Pyrene-d10		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/16/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-6DL2
Client ID: 13GLM10S02
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		33	20	0.20	3.9	0.98
91-57-6	2-Methylnaphthalene		40	20	0.20	3.9	1.6
208-96-8	Acenaphthylene	U	3.9	20	0.20	3.9	0.98
83-32-9	Acenaphthene	J	2.2	20	0.20	3.9	1.6
86-73-7	Fluorene	U	3.9	20	0.20	3.9	1.2
85-01-8	Phenanthrene	U	3.9	20	0.20	3.9	1.6
120-12-7	Anthracene	U	3.9	20	0.20	3.9	1.6
206-44-0	Fluoranthene	U	3.9	20	0.20	3.9	2.2
129-00-0	Pyrene	U	3.9	20	0.20	3.9	1.8
56-55-3	Benzo(a)anthracene	U	3.9	20	0.20	3.9	2.4
218-01-9	Chrysene	U	3.9	20	0.20	3.9	1.4
205-99-2	Benzo(b)fluoranthene	U	3.9	20	0.20	3.9	1.8
207-08-9	Benzo(k)fluoranthene	U	3.9	20	0.20	3.9	1.6
50-32-8	Benzo(a)pyrene	U	3.9	20	0.20	3.9	1.8
193-39-5	Indeno(1,2,3-cd)pyrene	U	3.9	20	0.20	3.9	2.0
53-70-3	Dibenzo(a,h)anthracene	U	3.9	20	0.20	3.9	2.9
191-24-2	Benzo(g,h,i)perylene	U	3.9	20	0.20	3.9	1.6
90-12-0	1-Methylnaphthalene		15	20	0.20	3.9	1.6
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-8
Client ID: 13GLM10S02D
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	E	26	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		0.31	1.0	0.20	0.20	0.077
86-73-7	Fluorene		0.50	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene		0.80	1.0	0.20	0.20	0.077
120-12-7	Anthracene	J	0.16	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	E	13	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		111%				
81103-79-9	Fluorene-d10		* 13%				
1718-52-1	Pyrene-d10		136%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-8DL
Client ID: 13GLM10S02D
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		29	20	0.20	3.8	0.96
91-57-6	2-Methylnaphthalene		35	20	0.20	3.8	1.5
208-96-8	Acenaphthylene	U	3.8	20	0.20	3.8	0.96
83-32-9	Acenaphthene	J	3.2	20	0.20	3.8	1.5
86-73-7	Fluorene		3.9	20	0.20	3.8	1.2
85-01-8	Phenanthrene	U	3.8	20	0.20	3.8	1.5
120-12-7	Anthracene	U	3.8	20	0.20	3.8	1.5
206-44-0	Fluoranthene	U	3.8	20	0.20	3.8	2.1
129-00-0	Pyrene	U	3.8	20	0.20	3.8	1.7
56-55-3	Benzo(a)anthracene	U	3.8	20	0.20	3.8	2.3
218-01-9	Chrysene	U	3.8	20	0.20	3.8	1.3
205-99-2	Benzo(b)fluoranthene	U	3.8	20	0.20	3.8	1.7
207-08-9	Benzo(k)fluoranthene	U	3.8	20	0.20	3.8	1.5
50-32-8	Benzo(a)pyrene	U	3.8	20	0.20	3.8	1.7
193-39-5	Indeno(1,2,3-cd)pyrene	U	3.8	20	0.20	3.8	1.9
53-70-3	Dibenzo(a,h)anthracene	U	3.8	20	0.20	3.8	2.9
191-24-2	Benzo(g,h,i)perylene	U	3.8	20	0.20	3.8	1.5
90-12-0	1-Methylnaphthalene		16	20	0.20	3.8	1.5
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-14
Client ID: 13GLM11I02
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		56%				
81103-79-9	Fluorene-d10		100%				
1718-52-1	Pyrene-d10		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/22/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-12
Client ID: 13GLM11S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		0.38	1.0	0.20	0.20	0.078
86-73-7	Fluorene		0.24	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.087
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		58%				
81103-79-9	Fluorene-d10		76%				
1718-52-1	Pyrene-d10		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-26
Client ID: 13GLM12I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	J	0.10	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		1.9	1.0	0.20	0.20	0.077
86-73-7	Fluorene		1.5	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		58%				
81103-79-9	Fluorene-d10		90%				
1718-52-1	Pyrene-d10		63%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-28
Client ID: 13GLM12I02D
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.047
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.047
83-32-9	Acenaphthene		1.9	1.0	0.20	0.20	0.075
86-73-7	Fluorene		1.5	1.0	0.20	0.20	0.056
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.075
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.075
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.084
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.065
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.084
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.075
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.084
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.093
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.075
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
7297-45-2	2-Methylnaphthalene-d10		66%				
81103-79-9	Fluorene-d10		101%				
1718-52-1	Pyrene-d10		69%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-10
Client ID: 13GLM14I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		0.88	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		61%				
81103-79-9	Fluorene-d10		81%				
1718-52-1	Pyrene-d10		59%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-8
Client ID: 13GLM15I02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene		0.50	1.0	0.20	0.20	0.080
86-73-7	Fluorene		0.42	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		63%				
81103-79-9	Fluorene-d10		86%				
1718-52-1	Pyrene-d10		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-6
Client ID: 13GLM15S02
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		59%				
81103-79-9	Fluorene-d10		58%				
1718-52-1	Pyrene-d10		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/16/03
Received Date: 05/17/03
Extraction Date: 05/22/03
Analysis Date: 06/14/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1160-23
Client ID: 13RL051603
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		63%				
81103-79-9	Fluorene-d10		91%				
1718-52-1	Pyrene-d10		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/20/03
Analysis Date: 06/10/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-1
Client ID: 03GLM0502
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2334
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.024
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.021
76-44-8	Heptachlor	U	0.050	1.0	0.050	0,050	0.023
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.041
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.021
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.028
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.022
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.017
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.027
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.016
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.017
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.027
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.016
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.029
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.020
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.022
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.044
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.89
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.018
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.018
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.019
877-09-8	Tetrachloro-m-Xylene		64%				
2051-24-3	Decachlorobiphenyl		50%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/20/03
Analysis Date: 06/07/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-1
Client ID: 03GLM0502
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2335
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	0.29
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.31
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.24
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.13
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.16
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.12
877-09-8	Tetrachloro-m-xylene		64%				
2051-24-3	Decachlorobiphenyl		* 50%				

AIR TOXICS LTD.

SAMPLE NAME: 13GLM03D02

ID#: 0305387-01A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052932	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.048
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM04I02

ID#: 0305384-07A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053011	Date of Collection:	5/16/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	1.0
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM04S02

ID#: 0305384-06A

MODIFIED METHOD RSK-175 GC/FID

File Name: 705010	Date of Collection: 5/16/03
Dil. Factor: 1.00	Date of Analysis: 5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.097
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM06I02

ID#: 0305384-09A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053013	Date of Collection:	5/16/03
Dil. Factor:	1.00	Date of Analysis:	5/19/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.18
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM06I02D

ID#: 0305384-10A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053014	Date of Collection:	5/16/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.18
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM06S02

ID#: 0305384-08A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053012	Date of Collection: 5/16/03
Dil. Factor:	1.00	Date of Analysis: 5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.22
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM08I02

ID#: 0305384-02A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053005	Date of Collection:	5/16/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM08S02

ID#: 0305384-01A

MODIFIED METHOD RSK-175 GC/FID

File Name:	705:004	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.36
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM10I02

ID#: 0305387-04A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052935	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM10S02

ID#: 0305387-02A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052933	Date of Collection: 5/15/03
Dil. Factor:	1.00	Date of Analysis: 5/23/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	3.2
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM10S02D

ID#: 0305387-03A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052934	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	3.4
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM11I02

ID#: 0305387-06A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052937	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.60
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM11S02

ID#: 0305387-05A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052936	Date of Collection: 5/15/03
Dil. Factor:	1.00	Date of Analysis: 5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.21
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM12I02

ID#: 0305384-11A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053015	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.94
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM12I02D

ID#: 0305384-12A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053016	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	1.2
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM14I02

ID#: 0305384-05A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053009	Date of Collection:	5/16/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.21
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM15I02

ID#: 0305384-04A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053008	Date of Collection:	5/16/03
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.40
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM15S02

ID#: 0305384-03A

MODIFIED METHOD RSK-175 GC/FID

File Name:	705-006	Date of Collection:	5/16/03
DF Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

APPENDIX C

SUPPORT DOCUMENTATION

FIELD DUPLICATE PRECISION

ANALYTE	13GLM06I02D	13GLM06I02	RPD	DIFFERENCE
1,1-Dichloroethane	6	4	40.00	2
Bromomethane	5U	6	#VALUE!	#VALUE!
Acenaphthene	0.3	0.43	35.62	0.13
Fluorene	0.32	0.34	6.06	0.02
Methane	18	18	0.00	0
ANALYTE	**13GLM10S02D**	**13GLM10S02**	**RPD**	**DIFFERENCE**
1,1,1-Trichloroethane	130	120	8.00	10
1,1-Dichloroethane	100	110	9.52	10
1,1-Dichloroethene	12	10	18.18	2
2-Butanone	6	5U	#VALUE!	#VALUE!
4-methyl-2-Pentanone	2	3	40.00	1
Acetone	17	17	0.00	0
Benzene	1	1	0.00	0
Bromomethane	2	3	40.00	1
Chloroethane	2	2	0.00	0
Cyclohexane	2	5U	#VALUE!	#VALUE!
Ethylbenzene	52	52	0.00	0
m+p-Xylenes	160	130	20.69	30
Methyl cyclohexane	3	3	0.00	0
o-Xylene	66	54	20.00	12
Tetrachloroethene	0.6	5U	#VALUE!	#VALUE!
Toluene	150	170	12.50	20
Total Xylenes	230	190	19.05	40
Trichloroethene	6	6	0.00	0
Trichlorofluoromethane	3	2	40.00	1
Vinyl chloride	5U	0.2	#VALUE!	#VALUE!
4-Methylphenol	41	45	9.30	4
Dibenzofuran	2	10U	#VALUE!	#VALUE!
Phenol	2	2	0.00	0
1-Methylnaphthalene	15	16	6.45	1
2-Methylnaphthalene	40	35	13.33	5
Acenaphthtene	0.3	0.31	3.28	0.01
Anthracene	0.12	0.16	28.57	0.04
Fluorene	0.54	0.5	7.69	0.04
Naphthalene	33	29	12.90	4
Phenanthrene	0.56	0.8	35.29	0.24
Methane	34	32	6.06	2
ANALYTE	**13GLM12I02D**	**13GLM12I02**	**RPD**	**DIFFERENCE**
1,1-Dichloroethane	17	9	61.54	8
1,1-Dichloroethene	7	4	54.55	3
Benzene	1	0.5	66.67	0.5
Bromomethane	5U	5	#VALUE!	#VALUE!
Chloroethane	10	5	66.67	5
Acenaphthene	1.9	1.9	0.00	0
Fluorene	1.5	1.5	0.00	0
Naphthalene	0.1	0.2U	#VALUE!	#VALUE!
Methane	120	94	24.30	26

2873

HOLDING TIME

07/11/03

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/L	13GLM03D02	WT1148-3	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM04I02	WT1160-14	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM04S02	WT1160-12	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06I02	WT1160-18	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06I02D	WT1160-20	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06S02	WT1160-17	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08I02	WT1160-3	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02	WT1160-1	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02DUP	WT1160-1 DUP	DUPLICATE	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02MS	WT1160-1 MS	MS	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM10I02	WT1148-9	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM10S02	WT1148-5	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM10S02D	WT1148-7	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM11I02	WT1148-13	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM11S02	WT1148-11	NORMAL	2873	CL	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM12I02	WT1160-25	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM12I02D	WT1160-27	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM14I02	WT1160-9	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM15I02	WT1160-7	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM15S02	WT1160-5	NORMAL	2873	CL	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	LABQC	MBLANK	LCS	2873	CL	05/22/03	05/22/03	05/22/03	0	0	0
MG/L	03GLM0502	WT1148-1	NORMAL	2873	CN	05/15/03	05/25/03	05/27/03	10	2	12
MG/L	LABQC	MBLANK	P BLANK	2873	CN	05/16/03	05/25/03	05/27/03	9	2	11
UG/ML	13GLM03D02	0305387-01A	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/ML	13GLM04I02	0305384-07A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM04S02	0305384-06A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02	0305384-09A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02D	0305384-10A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06S02	0305384-08A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08I02	0305384-02A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08S02	0305384-01A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM10I02	0305387-04A	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02	0305387-02A	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02D	0305387-03A	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11I02	0305387-06AA	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11S02	0305387-05A	NORMAL	2873	ETHA	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM12I02	0305384-11A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM12I02D	0305384-12A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM14I02	0305384-05A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15I02	0305384-04A	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15S02	0305384-03AA	NORMAL	2873	ETHA	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	LAB BLANK	0305387-07A	M_BLANK	2873	ETHA	/ /	05/29/03	05/29/03	0	0	0
%R	LCS	0305387-08A	LCS	2873	ETHA	/ /	05/29/03	05/29/03	0	0	0
UG/ML	13GLM03D02	0305387-01A	NORMAL	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM04I02	0305384-07A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM04S02	0305384-06A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02	0305384-09A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02D	0305384-10A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06S02	0305384-08A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08I02	0305384-02A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08S02	0305384-01A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/ML	13GLM10I02	0305387-04A	NORMAL	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02	0305387-02A	NORMAL	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02D	0305387-03A	NORMAL	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11I02	0305387-06AA	DUPLICATE	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11S02	0305387-05A	NORMAL	2873	ETHE	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM12I02	0305384-11A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM12I02D	0305384-12A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM14I02	0305384-05A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15I02	0305384-04A	NORMAL	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15S02	0305384-03AA	DUPLICATE	2873	ETHE	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	LAB BLANK	0305387-07A	M_BLANK	2873	ETHE	/ /	05/29/03	05/29/03	0	0	0
%R	LCS	0305387-08A	LCS	2873	ETHE	/ /	05/29/03	05/29/03	0	0	0
UG/L	03GLM0502	WT1148-001	NORMAL	2873	HG	05/15/03	06/04/03	06/04/03	20	0	20
UG/L	LABQC	PBWTF04HGW0	LCS	2873	HG	05/22/03	06/04/03	06/04/03	13	0	13
UG/L	03GLM0502	WT1148-001	NORMAL	2873	M	05/15/03	05/20/03	06/09/03	5	20	25
UG/L	13GLM03D02	WT1148-003	NORMAL	2873	M	05/15/03	05/20/03	05/24/03	5	4	9
UG/L	13GLM04I02	WT1160-014	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM04S02	WT1160-012	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM05I02	WT1160-011	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM06I02	WT1160-018R	NORMAL	2873	M	05/16/03	06/04/03	06/05/03	19	1	20
UG/L	13GLM06I02D	WT1160-020R	NORMAL	2873	M	05/16/03	06/04/03	06/05/03	19	1	20
UG/L	13GLM06S02	WT1160-017	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM08I02	WT1160-003	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM08S02	WT1160-001	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM10I02	WT1148-009	NORMAL	2873	M	05/15/03	05/22/03	05/24/03	7	2	9
UG/L	13GLM10S02	WT1148-005	NORMAL	2873	M	05/15/03	05/20/03	05/24/03	5	4	9
UG/L	13GLM10S02D	WT1148-007	NORMAL	2873	M	05/15/03	05/20/03	05/24/03	5	4	9

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/L	13GLM11I02	WT1148-013	NORMAL	2873	M	05/15/03	05/22/03	05/24/03	7	2	9
UG/L	13GLM11S02	WT1148-011	NORMAL	2873	M	05/15/03	05/22/03	05/24/03	7	2	9
UG/L	13GLM12I02	WT1160-025R	NORMAL	2873	M	05/16/03	06/04/03	06/05/03	19	1	20
UG/L	13GLM12I02D	WT1160-027R	NORMAL	2873	M	05/16/03	06/04/03	06/05/03	19	1	20
UG/L	13GLM14I02	WT1160-009	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM15I02	WT1160-007	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13GLM15S02	WT1160-005	NORMAL	2873	M	05/16/03	05/22/03	05/24/03	6	2	8
UG/L	13RL051603	WT1160-022R	NORMAL	2873	M	05/16/03	06/04/03	06/05/03	19	1	20
UG/L	LABQC	PBWTE20ICW3	LCS	2873	M	05/29/03	05/20/03	05/22/03	-9	2	-7
UG/ML	13GLM03D02	0305387-01A	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM04I02	0305384-07A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM04S02	0305384-06A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02	0305384-09A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06I02D	0305384-10A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM06S02	0305384-08A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08I02	0305384-02A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM08S02	0305384-01A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM10I02	0305387-04A	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02	0305387-02A	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM10S02D	0305387-03A	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11I02	0305387-06AA	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM11S02	0305387-05A	NORMAL	2873	METH	05/15/03	05/29/03	05/29/03	14	0	14
UG/ML	13GLM12I02	0305384-11A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM12I02D	0305384-12A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM14I02	0305384-05A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15I02	0305384-04A	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14
UG/ML	13GLM15S02	0305384-03AA	NORMAL	2873	METH	05/16/03	05/30/03	05/30/03	14	0	14

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/ML	LAB BLANK	0305387-07A	M_BLANK	2873	METH	/ /	05/29/03	05/29/03	0	0	0
%R	LCS	0305387-08A	LCS	2873	METH	/ /	05/29/03	05/29/03	0	0	0
MG/L	13GLM03D02	WT1148-3	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM04I02	WT1160-14	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM04I02DUP	WT1160-14 DUP	DUPLICATE	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM04I02MS	WT1160-14 MS	MS	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM04S02	WT1160-12	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02	WT1160-18	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02D	WT1160-20	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02DUP	WT1160-18 DUP	DUPLICATE	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02MS	WT1160-18 MS	MS	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06S02	WT1160-17	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM08I02	WT1160-3	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM08S02	WT1160-1	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM10I02	WT1148-9	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM10S02	WT1148-5	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM10S02D	WT1148-7	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM11I02	WT1148-13	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM11S02	WT1148-11	NORMAL	2873	NTA	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM12I02	WT1160-25	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM12I02D	WT1160-27	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM14I02	WT1160-9	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM15I02	WT1160-7	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM15S02	WT1160-5	NORMAL	2873	NTA	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	LABQC	MBLANK	P BLANK	2873	NTA	05/22/03	05/17/03	05/17/03	-5	0	-5
MG/L	13GLM03D02	WT1148-3	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM04I02	WT1160-14	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1

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MG/L	13GLM04I02DUP	WT1160-14 DUP	DUPLICATE	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM04I02MS	WT1160-14 MS	MS	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM04S02	WT1160-12	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02	WT1160-18	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02D	WT1160-20	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02DUP	WT1160-18 DUP	DUPLICATE	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06I02MS	WT1160-18 MS	MS	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM06S02	WT1160-17	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM08I02	WT1160-3	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM08S02	WT1160-1	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM10I02	WT1148-9	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM10S02	WT1148-5	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM10S02D	WT1148-7	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM11I02	WT1148-13	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM11S02	WT1148-11	NORMAL	2873	NTI	05/15/03	05/16/03	05/16/03	1	0	1
MG/L	13GLM12I02	WT1160-25	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM12I02D	WT1160-27	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM14I02	WT1160-9	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM15I02	WT1160-7	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	13GLM15S02	WT1160-5	NORMAL	2873	NTI	05/16/03	05/17/03	05/17/03	1	0	1
MG/L	LABQC	MBLANK	LCS	2873	NTI	05/17/03	05/16/03	05/16/03	-1	0	-1
%	03GLM0502	WT1148-1RA	NORMAL	2873	OS	05/15/03	05/21/03	06/11/03	6	21	27
%	13GLM03D02	WT1148-3	NORMAL	2873	OS	05/15/03	05/21/03	06/10/03	6	20	26
%	13GLM04I02	WT1160-14	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM04S02	WT1160-12	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM06I02	WT1160-18	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27
%	13GLM06I02D	WT1160-20	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27

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%	13GLM06S02	WT1160-16	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27
%	13GLM08I02	WT1160-3	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM08S02	WT1160-1	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM10I02	WT1148-9	NORMAL	2873	OS	05/15/03	05/22/03	06/11/03	7	20	27
%	13GLM10S02	WT1148-5	NORMAL	2873	OS	05/15/03	05/21/03	06/10/03	6	20	26
%	13GLM10S02D	WT1148-7	NORMAL	2873	OS	05/15/03	05/21/03	06/10/03	6	20	26
%	13GLM11I02	WT1148-13RE	NORMAL	2873	OS	05/15/03	06/18/03	06/21/03	34	3	37
%	13GLM11S02	WT1148-11	NORMAL	2873	OS	05/15/03	05/22/03	06/11/03	7	20	27
%	13GLM12I02	WT1160-25	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27
%	13GLM12I02D	WT1160-27	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27
%	13GLM14I02	WT1160-9	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM15I02	WT1160-7	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13GLM15S02	WT1160-5	NORMAL	2873	OS	05/16/03	05/22/03	06/11/03	6	20	26
%	13RL051603	WT1160-22	NORMAL	2873	OS	05/16/03	05/22/03	06/12/03	6	21	27
%	WG2353-BLANK	WG2353-1	P BLANK	2873	OS	05/21/03	05/21/03	06/10/03	0	20	20
%	WG2353-LCS	WG2353-2	LCS	2873	OS	05/21/03	05/21/03	06/10/03	0	20	20
%	WG2353-LCSD	WG2353-3	LCSD	2873	OS	05/21/03	05/21/03	06/10/03	0	20	20
%	WG2354-BLANK	WG2354-1	P BLANK	2873	OS	05/21/03	05/21/03	05/27/03	0	6	6
%	WG2354-LCS	WG2354-2	LCS	2873	OS	05/21/03	05/21/03	05/27/03	0	6	6
%	WG2354-LCSD	WG2354-3	LCSD	2873	OS	05/21/03	05/21/03	06/05/03	0	15	15
%	WG2367-BLANK	WG2367-1	P BLANK	2873	OS	05/22/03	05/22/03	06/02/03	0	11	11
%	WG2367-LCS	WG2367-4	LCS	2873	OS	05/22/03	05/22/03	06/02/03	0	11	11
%	WG2367-LCSD	WG2367-5	LCSD	2873	OS	05/22/03	05/22/03	06/02/03	0	11	11
%	WG2641-BLANK	WG2641-1	P BLANK	2873	OS	06/18/03	06/18/03	06/21/03	0	3	3
%	WG2641-LCS	WG2641-2	LCS	2873	OS	06/18/03	06/18/03	06/21/03	0	3	3
%	WG2641-LCSD	WG2641-3	LCSD	2873	OS	06/18/03	06/18/03	06/21/03	0	3	3
UG/L	03GLM0502	WT1148-1	NORMAL	2873	OV	05/15/03	05/28/03	05/28/03	13	0	13

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UG/L	13GLM03D02	WT1148-3	NORMAL	2873	OV	05/15/03	05/28/03	05/28/03	13	0	13
UG/L	13GLM04I02	WT1160-14	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
%	13GLM04S02	WT1160-12	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM06I02	WT1160-18	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM06I02D	WT1160-20	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM06S02	WT1160-17	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM08I02	WT1160-3	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM08S02	WT1160-1	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM10I02	WT1148-9	NORMAL	2873	OV	05/15/03	05/28/03	05/28/03	13	0	13
UG/L	13GLM10S02	WT1148-5	NORMAL	2873	OV	05/15/03	05/28/03	05/28/03	13	0	13
UG/L	13GLM10S02D	WT1148-7	NORMAL	2873	OV	05/15/03	05/28/03	05/28/03	13	0	13
UG/L	13GLM11I02	WT1148-13	NORMAL	2873	OV	05/15/03	05/29/03	05/29/03	14	0	14
UG/L	13GLM11S02	WT1148-11	NORMAL	2873	OV	05/15/03	05/29/03	05/29/03	14	0	14
UG/L	13GLM12I02	WT1160-25	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM12I02D	WT1160-27	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM14I02	WT1160-9	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM15I02	WT1160-7	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13GLM15S02	WT1160-5	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13RL051603	WT1160-22	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	13TB051603	WT1160-24	NORMAL	2873	OV	05/16/03	05/29/03	05/29/03	13	0	13
UG/L	WG2417-BLANK	WG2417-2	P BLANK	2873	OV	/ /	05/27/03	05/27/03	0	0	0
UG/L	WG2417-LCS	WG2417-1	LCS	2873	OV	/ /	05/27/03	05/27/03	0	0	0
UG/L	WG2446-BLANK	WG2446-2	P BLANK	2873	OV	/ /	05/29/03	05/29/03	0	0	0
UG/L	WG2446-LCS	WG2446-1	LCS	2873	OV	/ /	05/29/03	05/29/03	0	0	0
%	03GLM0502	WT1148-1	NORMAL	2873	PCB	05/15/03	05/20/03	06/07/03	5	18	23
%	WG2335-BLANK	WG2335-1	P BLANK	2873	PCB	05/20/03	05/20/03	06/07/03	0	18	18
%	WG2335-LCS	WG2335-2	LCS	2873	PCB	05/20/03	05/20/03	06/07/03	0	18	18

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UG/L	03GLM0502	WT1148-1	NORMAL	2873	PEST	05/15/03	05/20/03	06/10/03	5	21	26
UG/L	WG2334-BLANK	WG2334-1	P BLANK	2873	PEST	05/20/03	05/20/03	06/09/03	0	20	20
UG/L	WG2334-LCS	WG2334-2	LCS	2873	PEST	05/20/03	05/20/03	06/10/03	0	21	21
UG/L	WG2334-LCSD	WG2334-3	LCSD	2873	PEST	05/20/03	05/20/03	06/10/03	0	21	21
MG/L	LABQC	LCS	LCS	2873	PH	05/16/03	05/16/03	05/16/03	0	0	0
%	03GLM0502	WT1148-2	NORMAL	2873	SIM	05/15/03	05/21/03	06/13/03	6	23	29
%	13GLM03D02	WT1148-4	NORMAL	2873	SIM	05/15/03	05/21/03	06/13/03	6	23	29
%	13GLM04I02	WT1160-15	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM04S02	WT1160-13	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM06I02	WT1160-19	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM06I02D	WT1160-21	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM06S02	WT1160-17	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM08I02	WT1160-4	NORMAL	2873	SIM	05/16/03	05/22/03	06/13/03	6	22	28
%	13GLM08S02	WT1160-2	NORMAL	2873	SIM	05/16/03	05/22/03	06/13/03	6	22	28
%	13GLM10I02	WT1148-10	NORMAL	2873	SIM	05/15/03	05/22/03	06/13/03	7	22	29
%	13GLM10S02	WT1148-6DL2	NORMAL	2873	SIM	05/15/03	05/21/03	06/16/03	6	26	32
%	13GLM10S02D	WT1148-8DL	NORMAL	2873	SIM	05/15/03	05/21/03	06/14/03	6	24	30
%	13GLM11I02	WT1148-14	NORMAL	2873	SIM	05/15/03	05/21/03	06/13/03	6	23	29
%	13GLM11S02	WT1148-12	NORMAL	2873	SIM	05/15/03	05/22/03	06/13/03	7	22	29
%	13GLM12I02	WT1160-26	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM12I02D	WT1160-28	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM14I02	WT1160-10	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM15I02	WT1160-8	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13GLM15S02	WT1160-6	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	13RL051603	WT1160-23	NORMAL	2873	SIM	05/16/03	05/22/03	06/14/03	6	23	29
%	WG2353-BLANK	WG2353-1B	P BLANK	2873	SIM	05/21/03	05/21/03	06/12/03	0	22	22
%	WG2353-LCS	WG2353-4	LCS	2873	SIM	05/21/03	05/21/03	06/12/03	0	22	22

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%	WG2353-LCSD	WG2353-5	LCSD	2873	SIM	05/21/03	05/21/03	06/12/03	0	22	22
%	WG2354-BLANK	WG2354-1B	P BLANK	2873	SIM	05/21/03	05/21/03	06/09/03	0	19	19
%	WG2354-LCS	WG2354-4	LCS	2873	SIM	05/21/03	05/21/03	06/11/03	0	21	21
%	WG2354-LCSD	WG2354-5	LCSD	2873	SIM	05/21/03	05/21/03	06/10/03	0	20	20
%	WG2367-BLANK	WG2367-1B	P BLANK	2873	SIM	05/22/03	05/22/03	06/13/03	0	22	22
%	WG2367-LCS	WG2367-2	LCS	2873	SIM	05/22/03	05/22/03	06/13/03	0	22	22
%	WG2367-LCSD	WG2367-3	LCSD	2873	SIM	05/22/03	05/22/03	06/13/03	0	22	22
MG/L	13GLM03D02	WT1148-3	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM04I02	WT1160-14	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM04S02	WT1160-12	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06I02	WT1160-18	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06I02D	WT1160-20	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM06S02	WT1160-17	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08I02	WT1160-3	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02	WT1160-1	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02DUP	WT1160-1 DUP	DUPLICATE	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM08S02MS	WT1160-1 MS	MS	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM10I02	WT1148-9	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM10S02	WT1148-5	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM10S02D	WT1148-7	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM11I02	WT1148-13	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM11S02	WT1148-11	NORMAL	2873	SO4	05/15/03	05/22/03	05/22/03	7	0	7
MG/L	13GLM12I02	WT1160-25	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM12I02D	WT1160-27	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM14I02	WT1160-9	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM15I02	WT1160-7	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6
MG/L	13GLM15S02	WT1160-5	NORMAL	2873	SO4	05/16/03	05/22/03	05/22/03	6	0	6

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/L	LABQC	MBLANK	LCS	2873	SO4	05/17/03	05/22/03	05/22/03	5	0	5
MG/L	13GLM03D02	WT1148-3	NORMAL	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM04I02	WT1160-14	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM04I02DUP	WT1160-14 DUP	DUPLICATE	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM04I02MS	WT1160-14 MS	MS	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM04S02	WT1160-12	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM06I02	WT1160-18	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM06I02D	WT1160-20	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM06S02	WT1160-17	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM08I02	WT1160-3	NORMAL	2873	TOC	05/16/03	/ /	06/05/03	0	0	20
MG/L	13GLM08S02	WT1160-1	NORMAL	2873	TOC	05/16/03	/ /	06/05/03	0	0	20
MG/L	13GLM10I02	WT1148-9	NORMAL	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM10S02	WT1148-5	NORMAL	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM10S02D	WT1148-7	NORMAL	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM11I02	WT1148-13	DUPLICATE	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM11S02	WT1148-11	NORMAL	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM11S02MS	WT1148-11 MS	MS	2873	TOC	05/15/03	/ /	06/05/03	0	0	21
MG/L	13GLM12I02	WT1160-25	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM12I02D	WT1160-27	NORMAL	2873	TOC	05/16/03	/ /	06/06/03	0	0	21
MG/L	13GLM14I02	WT1160-9	NORMAL	2873	TOC	05/16/03	/ /	06/05/03	0	0	20
MG/L	13GLM15I02	WT1160-7	NORMAL	2873	TOC	05/16/03	/ /	06/05/03	0	0	20
MG/L	13GLM15S02	WT1160-5	NORMAL	2873	TOC	05/16/03	/ /	06/05/03	0	0	20
MG/L	LABQC	MBLANK	P BLANK	2873	TOC	05/25/03	/ /	06/05/03	0	0	11

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CSS PANAMA CITY CTO 287
SDG: CTO287-3
WT1148, WT1160

Sample Receipt

The following samples were received on May 16 and 17, 2003 and were logged in under Katahdin Analytical Services work order numbers WT1148 and WT1160 for a hardcopy due date of June 11, 2003.

KATAHDIN Sample No.	TTNUS Sample Identification
WT1148-1	03GLM0502
WT1148-2	03GLM0502
WT1148-3	13GLM03D02
WT1148-4	13GLM03D02
WT1148-5	13GLM10S02
WT1148-6	13GLM10S02
WT1148-7	13GLM10S02D
WT1148-8	13GLM10S02D
WT1148-9	13GLM10I02
WT1148-10	13GLM10I02
WT1148-11	13GLM11S02
WT1148-12	13GLM11S02
WT1148-13	13GLM11I02
WT1148-14	13GLM11I02
WT1160-1	13GLM08S02
WT1160-2	13GLM08S02
WT1160-3	13GLM08I02
WT1160-4	13GLM08I02
WT1160-5	13GLM15S02
WT1160-6	13GLM15S02
WT1160-7	13GLM15I02
WT1160-8	13GLM15I02
WT1160-9	13GLM14I02
WT1160-10	13GLM14I02
WT1160-11	13GLM05I02
WT1160-12	13GLM04S02
WT1160-13	13GLM04S02
WT1160-14	13GLM04I02
WT1160-15	13GLM04I02
WT1160-16	13GLM06S02
WT1160-17	13GLM06S02
WT1160-18	13GLM06I02

WT1160-19	13GLM06I02
WT1160-20	13GLM06I02D
WT1160-21	13GLM06I02D
WT1160-22	13RL051603
WT1160-23	13RL051603
WT1160-24	13TB051603
WT1160-25	13GLM12I02
WT1160-26	13GLM12I02
WT1160-27	13GLM12I02D
WT1160-28	13GLM12I02D

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.

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 Laboratory

Samples WT1148-1 through 14 were received on May 16, 2003 and samples WT1160-1 through -28 were received on May 17, 2003. Some of the samples were analyzed for pesticides according to SW-846 method 8081A and/or polychlorinated biphenyls (PCBs) according to SW-846 method 8082 and/or semivolatiles according to SW-846 method 8270C for the CLP target analytes and/or SIM semivolatiles according to SW-846 method 8270C and/or volatile organics according to SW-846 method 8260B. Some manual integrations were performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software generated) on the pertinent quantitation reports. The samples were extracted and/or analyzed within hold time, and all QC criteria were met with the following comments:

8081 Analysis

The laboratory control sample (LCS) WG2334-2 had a low recovery for 4,4'-DDT which was outside of the laboratory established acceptance limits. The laboratory control sample duplicate (LCSD) WG2334-3 likewise had a low recovery for 4,4'-DDT, as well as slightly low recoveries for delta-BHC, 4,4'-DDD, Endrin aldehyde, Endosulfan sulfate, and Endrin ketone. Since all other recoveries were acceptable, and none of these analytes were recovered in the associated samples, these samples were not reanalyzed.

The closing CV (files 8TF1128) had low responses for 4,4'-DDD and Methoxychlor on the A channel, which resulted in %D's that were outside the method limit of 15%. The associated samples may be biased accordingly for these analytes.

8082 Analysis

Sample WT1148-1 had low recoveries for the extraction surrogate DCB on both channels that were outside of the laboratory established acceptance limits. Since the recoveries for the other extraction surrogate, TCX, were within the acceptance limits, the sample was not re-extracted and the sample data was accepted.

The opening CV (file 6TF2035) had a low response for TCX on the B channel which resulted in a %D that was outside the method limit of 15%. Since the response was acceptable on the A channel, the sample data was accepted. The associated samples may be biased low for TCX on the B channel.

8270 and 8270 SIM Analysis

The reported percent recovery acceptance limits for the LCS QC samples are statistically derived. Katahdin operating procedure is to not take corrective action until greater than ten percent of the spiked analytes are outside of these limits.

In the calibration curves analyzed for these work orders, some analytes had %RSD values exceeding the allowed 15%. For those analytes, either a linear or quadratic model was used for the calibration curve. In the 'K' calibration curve, the analyte Benzaldehyde failed for both the linear and quadratic models due to the correlation coefficient being less than the method acceptance criteria of 0.990. This compound was calibrated using the average model.

The SIM analysis of samples WT1148-6 and -8 were analyzed at a dilution in order to bring target compounds within the calibration curve.

The SIM analysis of the LCS sample WG2354-5 was analyzed multiple times. All of the analyses had one or more internal standards with low responses, which were outside of the acceptance limits. The first analysis was reported.

The laboratory method blank WG2353-1 had low recoveries for the acid, which were outside of method acceptance limits. The associated sample was WT1148-13. The client was notified and informed the laboratory to proceed with reextraction. The sample was reextracted out of hold time. The original and the reextracted samples were all analyzed and both results are included in the data package. Sample WT1148-13 had one or more internal standards with low responses outside of the acceptance limits.

Samples WT1148-1, -6 and -8 had internal standard responses which were outside the method acceptance limits. WT1148-1 was re-analyzed straight with similar results confirming a matrix effect while -6 and -8 were analyzed at a dilution. All the results were reported.

Samples analyzed by both 8270C scan and by 8270C modified for SIM were logged in as separate samples for reporting purposes. Sample WT1160-16 was originally logged in for SIM analysis while WT1160-17 was originally logged in for scan analysis. However, sample WT1160-16 was analyzed by 8270 while WT1160-17 was analyzed by 8270 SIM, the opposite of how they were logged in. The results have been reported because these samples are the same client sample.

8260 Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) and Matrix spike samples (MS/MSD's) are statistically derived. Katahdin standard operating procedure is to not take corrective action until greater than ten percent of the spiked analytes in the LCS are outside of QC limits.

The calibration method analyzed on 5/23/03, was for the OLM04.2 analytes. It had a %RSD for Methyl tert-butyl ether that exceeded the method acceptance limit of 15%. Both linear and quadratic model failed for this analyte. The average model was used for this analyte. Since Methyl tert-butyl ether was not detected above the MDL in any of the samples associated with this curve, the quality of the data should not be affected.

Sample WT1148-5 has one surrogate with a recovery that is high and outside of the laboratory established acceptance limits. Since the other three surrogates were acceptable, the sample was not reanalyzed.

The laboratory method blanks WG2417-2 and WG2446-2, respectively detected one and seventeen analytes above the MDL. Any of the associated samples that detected these analytes above the MDL were flagged with a "B" qualifier indicating that the analyte(s) was detected in the method blank analyzed concurrently with the sample.

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

Metals Analysis

The samples of Katahdin SDG CTO287-3 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) and Inductively-Coupled Plasma Mass Spectrometric Analysis (ICP-MS)

Aqueous-matrix Katahdin Sample Nos. WT1148-(1,3,5,7) were digested for ICP and ICP-MS analysis on 05/20/03 (QC Batch TE20ICW3) in accordance with USEPA Method 3010A.

Aqueous-matrix Katahdin Sample Nos. WT1148-(9,11,13) and WT1160-(1,3,5,7,9,11,12,14,17) were digested for ICP analysis on 05/22/03 (QC Batch TE22ICW0) in accordance with USEPA Method 3010A.

Aqueous-matrix Katahdin Sample Nos. WT1160-(18,20,22,25,27) were originally digested for ICP analysis on 05/29/03 (QC Batch TE29ICW0) in accordance with USEPA Method 3010A. Due to instrument failure, all of the digestates were consumed before these samples could be successfully analyzed for manganese, potassium and sodium. For that reason, Katahdin Sample Nos. WT1160-(18,20,22,25,27) were redigested for ICP analysis on 06/04/03 (QC Batch TF04ICW0). Redigestates are identified throughout raw data and runlogs by the suffix "R"

appended to the Katahdin Sample ID, i.e. "WT1160-018R". These redigestates were successfully analyzed for manganese, potassium and sodium.

ICP analyses of Katahdin SDG CTO287-3 sample digestates were performed in accordance with USEPA Method 6010B, using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. ICP-MS analyses of Katahdin SDG CTO287-3 sample digestate WT1148-1 for thallium were performed in accordance with USEPA Method 6020, using an Agilent 7500 ICP-MS spectrometer. All samples were analyzed within holding times and all 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)

Aqueous-matrix Katahdin Sample No. WT1148-1 was digested for mercury analysis on 06/04/03 (QC Batch TF04HGW0) in accordance with USEPA Method 7470A.

Mercury analyses of Katahdin SDG CTO287-3 sample digestates were performed using a Leeman Labs PS200 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 CTO287-3 were received on 05/16/03 and 05/17/03 and logged in as Katahdin Work Orders WT1148 and WT1160. Analyses for Chloride, Total Organic Carbon (TOC), Sulfate, Nitrate, and Nitrite were performed according to "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1979, Revised 1983.

All Wet Chemistry results have been reported down to Katahdin Analytical Services' Method Detection Limits (MDL). These levels are indicated in the result field of the analytical report. For hits that fall between the MDL and Katahdin's Practical Quantitation Limit (PQL), a "J" flag has been used.

All analyses were performed within analytical hold time, and all quality control criteria were met, with the following exceptions:

The measured Sulfate recovery (74%) for the matrix spike aliquot of Katahdin Sample No. WT1160-1 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

Subcontracted Analysis

Analyses for Methane/Ethane/Ethene were performed by a subcontract laboratory. Please refer to the sections of the data package titled "Subcontracted Data."

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.

María Crouch
06.30.03
María Crouch
Quality Assurance Officer

TOXCHEM ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WT1147 + WT1148

PAGE: 1 OF 4

COOLER: 1 OF 4

CLIENT: Tetra tech

PROJECT: Panama City

COC#
SDG#
DATE / TIME RECEIVED: 5/16/03 0935
DELIVERED BY: Fedex
RECEIVED BY: AMB
LIMS ENTRY BY: AMB
LIMS REVIEW BY / PM: NL

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	✓				
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	✓				
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	✓				
4. CHAIN OF CUSTODY MATCHES SAMPLES?		✓		* See below	
5. TEMPERATURE BLANKS PRESENT?	✓			TEMP BLANK TEMP (°C)= 1.6	NC notified client by email 5/12/03
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y or N)?		✓		COOLER TEMP (°C)= NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
7. VOLATILES FREE OF HEADSPACE?	✓				
8. TRIP BLANK PRESENT IN THIS COOLER	✓				
9. PROPER SAMPLE CONTAINERS AND VOLUME?	✓				
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	✓				
11. SAMPLES PROPERLY PRESERVED[1]?	✓				
12. CORRECTIVE ACTION REPORT FILED?		✓	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP (NFESC) ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES[1]:
* No metals for 13GLM05I02 - Metals → received metals 5/17/03
* No VOCs for 13TB5503
Received 13GLM11I02 5/15 1440 not on COC,
Received 13GLM10I02 sampled 5/15 12:40 and 13GLM11I02 sampled 5/15 14:40.

[1] Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

13GLM10S02 5/15/03 1530 on COC, bottles are 13GLM11S02 5/15 1530.

SAMPLE RECEIPT CONDITION REPORT

Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WT1147 + WT1148

PAGE: 2 OF 4

COOLER: 2 OF 4

CLIENT: Tetra tech

PROJECT: Panama City

COC#
SDG#
DATE / TIME RECEIVED: 5/16/03 0935
DELIVERED BY: Fedex
RECEIVED BY: AMB
LIMS ENTRY BY: AMB
LIMS REVIEW BY / PM: KC

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	✓				
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	✓				
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	✓				
4. CHAIN OF CUSTODY MATCHES SAMPLES?		✓			
5. TEMPERATURE BLANKS PRESENT?	✓			See page 1	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT? Y or N?		✓		TEMP BLANK TEMP (°C)= 2.6	
7. VOLATILES FREE OF HEADSPACE?	✓			COOLER TEMP (°C)= NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
8. TRIP BLANK PRESENT IN THIS COOLER		✓			
9. PROPER SAMPLE CONTAINERS AND VOLUME?	✓				
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	✓				
11. SAMPLES PROPERLY PRESERVED(1)?	✓				
12. CORRECTIVE ACTION REPORT FILED?		✓	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP NFESC ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1):

Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

SAMPLE RECEIPT CONDITION REPORT

Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WT1147+WT1148

PAGE: 3 OF 4

COOLER: 3 OF 4

CLIENT: Tetra tech

PROJECT: Panama City

COC#
SDG#
DATE / TIME RECEIVED: 5/16/03 0835
DELIVERED BY: Fedex
RECEIVED BY: Ann
LIMS ENTRY BY: AMB
LIMS REVIEW BY / PM: AL

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	☑	☐	☐		
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	☑	☐	☐		
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	☑	☐	☐		
4. CHAIN OF CUSTODY MATCHES SAMPLES?	☐	☑	☐	See page 1	
5. TEMPERATURE BLANKS PRESENT?	☑	☐	☐	TEMP BLANK TEMP (°C)= 3.7	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y or N)?	☑	☐	☐	COOLER TEMP (°C)= NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
7. VOLATILES FREE OF HEADSPACE?	☑	☐	☐		
8. TRIP BLANK PRESENT IN THIS COOLER	☐	☑	☐		
9. PROPER SAMPLE CONTAINERS AND VOLUME?	☑	☐	☐		
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	☑	☐	☐		
11. SAMPLES PROPERLY PRESERVED(1)?	☑	☐	☐		
12. CORRECTIVE ACTION REPORT FILED?	☐	☑	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP NFESC ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1):

(1) Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

SAMPLE RECEIPT CONDITION REPORT

Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WT1147 / WT1148

PAGE: 4 OF 4

COOLER: 4 OF 4

CLIENT: Tetra tech

PROJECT: Panama City

COC#
SDG#
DATE / TIME RECEIVED: 5/16/03 0835
DELIVERED BY: Fedex
RECEIVED BY: AMB
LIMS ENTRY BY: TMB
LIMS REVIEW BY / PM: KC

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	✓				
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	✓				
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	✓				
4. CHAIN OF CUSTODY MATCHES SAMPLES?		✓			
5. TEMPERATURE BLANKS PRESENT?	✓			See page 1	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y) or N?	✓			TEMP BLANK TEMP (°C)= 2.8	
7. VOLATILES FREE OF HEADSPACE?	✓			COOLER TEMP (°C)= NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
8. TRIP BLANK PRESENT IN THIS COOLER		✓			
9. PROPER SAMPLE CONTAINERS AND VOLUME?	✓				
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	✓				
11. SAMPLES PROPERLY PRESERVED(1)?	✓				
12. CORRECTIVE ACTION REPORT FILED?		✓	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP (NFESC) ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1):

(1) Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WT1160

PAGE: 1 OF 4

COOLER: 1 OF 4

CLIENT: Tetra tech

PROJECT: Panama City

COC#
SDG#
DATE / TIME RECEIVED: 5/17/03 1005
DELIVERED BY: Fedex
RECEIVED BY: AMB
LIMS ENTRY BY: AMB
LIMS REVIEW BY / PM: RC

	YES	NO	EXCEPTIONS
1. CUSTODY SEALS PRESENT / INTACT?	✓		
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	✓		
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	✓		
4. CHAIN OF CUSTODY MATCHES SAMPLES?	✓		
5. TEMPERATURE BLANKS PRESENT?	✓		
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y) or N?	✓		
7. VOLATILES FREE OF HEADSPACE?	✓		
8. TRIP BLANK PRESENT IN THIS COOLER	✓		
9. PROPER SAMPLE CONTAINERS AND VOLUME?	✓		
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	✓		
11. SAMPLES PROPERLY PRESERVED(1)?	✓		
12. CORRECTIVE ACTION REPORT FILED?		✓	N/A

COMMENTS / RESOLUTION

TEMP BLANK TEMP (°C)= 4.0

COOLER TEMP (°C)= NA
(RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP (NFESC) ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1): * 13GLM08502 lot 3 vials Received broken - AMB
* Received 13GLM12F021D for all analysis not on COC - AMB - ASC notified client 5/18/03 proceed per Bill Olson 5/19/03.

(1) Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

000013

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WTH60

PAGE: 2 OF 4

COOLER: 2 OF 4

CLIENT: Tetra tech

PROJECT: Panama City

COC#
SDG#
DATE / TIME RECEIVED: 5/17/03 1005
DELIVERED BY: Fedex
RECEIVED BY: MMB
LIMS ENTRY BY: AM
LIMS REVIEW BY / PM: AC

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	✓				
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	✓				
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	✓				
4. CHAIN OF CUSTODY MATCHES SAMPLES?	✓				
5. TEMPERATURE BLANKS PRESENT?	✓			TEMP BLANK TEMP (°C)= 12	4°C refrigerated Client by Email 5/19/03.
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y) or N?		✓		COOLER TEMP (°C)= NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
7. VOLATILES FREE OF HEADSPACE?			N/A		
8. TRIP BLANK PRESENT IN THIS COOLER		✓			
9. PROPER SAMPLE CONTAINERS AND VOLUME?	✓				
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	✓				
11. SAMPLES PROPERLY PRESERVED(1)?	✓				
12. CORRECTIVE ACTION REPORT FILED?		✓	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP (NFESC) ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1):

(1) Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # CWT1160

PAGE: 3 OF ~~3~~ 4

COOLER: 3 OF 4

CLIENT: Tetra tech

PROJECT: Panama City

COC#
SDG#
DATE / TIME RECEIVED: 5/12/03 1005
DELIVERED BY: Fedex
RECEIVED BY: AMB
LIMS ENTRY BY: AMB
LIMS REVIEW BY / PM: DC

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	✓				
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	✓				
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	✓				
4. CHAIN OF CUSTODY MATCHES SAMPLES?	✓				
5. TEMPERATURE BLANKS PRESENT?	✓			TEMP BLANK TEMP (°C)= 1.0	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y) or N?		✓		COOLER TEMP (°C)= NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
7. VOLATILES FREE OF HEADSPACE?			NA		
8. TRIP BLANK PRESENT IN THIS COOLER		✓			
9. PROPER SAMPLE CONTAINERS AND VOLUME?	✓				
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	✓				
11. SAMPLES PROPERLY PRESERVED(1)?	✓				
12. CORRECTIVE ACTION REPORT FILED?		✓	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP (NFESC) ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1):

(1) Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

000014

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # W1160

PAGE: 4 OF 4

COOLER: 4 OF 4

COC#
SDG#
DATE / TIME RECEIVED: 5/17/03 1005
DELIVERED BY: Fedex
RECEIVED BY: AMB
LIMS ENTRY BY: AMB
LIMS REVIEW BY / PM: KC

CLIENT: Tetra tech

PROJECT: Panama City

	YES	NO	EXCEPTIONS
1. CUSTODY SEALS PRESENT / INTACT?	☑	☐	☐
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	☑	☐	☐
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	☑	☐	☐
4. CHAIN OF CUSTODY MATCHES SAMPLES?	☑	☐	☐
5. TEMPERATURE BLANKS PRESENT?	☑	☐	☐
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT Y or N?	☐	☑	☐
7. VOLATILES FREE OF HEADSPACE?	☐	☐	☐ N/A
8. TRIP BLANK PRESENT IN THIS COOLER	☐	☑	☐
9. PROPER SAMPLE CONTAINERS AND VOLUME?	☑	☐	☐
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	☑	☐	☐
11. SAMPLES PROPERLY PRESERVED(1)?	☑	☐	☐
12. CORRECTIVE ACTION REPORT FILED?	☐	☑	N/A

COMMENTS | RESOLUTION

TEMP BLANK TEMP (°C)= 1.9

COOLER TEMP (°C)= NA
(RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP (NFESC) ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1):

(1) Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

000015

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 ____ of ____

Client: Tt NUS
Contact: Mike Alevs
Phone #: (850) 385-9899
Fax #: (850) 385-9860
Address: 1401 Oven Park Dr
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340N9061
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY
WORK ORDER #: WT1148
KATAHDIN PROJECT MANAGER:
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.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL VOC/SIM 8270C (Filt. ☐Y ☒N)	TCL PEST/PCB 8081A/8082 (Filt. ☐Y ☒N)	TAL metals + Hg 6010B/7471 (Filt. ☐Y ☒N)	Cyanide 9012B (Filt. ☐Y ☒N)	Selected metals 6010B (Filt. ☐Y ☒N)	Anions EPA 300 (Filt. ☐Y ☒N)	RSK 147/175 (Filt. ☐Y ☒N)	TOC EPA 415.1 (Filt. ☐Y ☒N)	Filt. ☐Y ☐N
	03GLM0502	5/14/03/0800	GW	9	3	2	2	1	1	1	—	—	—	
	13GLM03DCR	5/14/03/1005	GW	11	3	2	—	—	—	1	1	2	2	
	13GLM10502	5/14/03/1110	GW	11	3	2	—	—	—	1	1	2	2	
	13GLM10502D	5/14/03/1110	GW	11	3	2	—	—	—	1	1	2	2	
	13GLM10I02	5/14/03/1440	GW	11	3	2	—	—	—	1	1	2	2	
	13GLM10502	5/14/03/1530	GW	11	3	2	—	—	—	1	1	2	2	
	~~13TLMRWS~~	/												
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15th not 14th
LWS 15MAY03

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	5/15/03 1500	[signature] 5/16/03			
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

ORIGINAL

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 ____ of ____

Client: TE Nus
Contact: Mike Allens
Phone #: (850) 385-9899
Fax #: (850) 385-9860
Address: 1401 Oven Park Dr.
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340M9061
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): Larry Smith Larry W Smith
Copies To:

LAB USE ONLY
WORK ORDER #: WR1160
KATAHDIN PROJECT MANAGER:

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.	TCL VOC 8260B	TCL SVOC 8270C/SIM	Metals, Selected 6010B	Dissolved Gases RSK 147/175	Anions EPA 300	TOC EPA 415.1					
	13GLM05I02	16May03	GW	1			1								
	13GLM04S02	" / 0845	GW	11	3	2	1	2	1	2					
	13GLM04I02	" / 1030	"	11	3	2	1	2	1	2					
	13GLM12I02	" / 0850	"	11	3	2	1	2	1	2					
	13GLM06S02	" / 1200	"	11	3	2	1	2	1	2					
	13GLM06I02	" / 1215	"	11	3	2	1	2	1	2					
	13GLM06I02D	" / 1215	"	11	3	2	1	2	1	2					
	13RL051603	" / 1440	W	6	3	2	1								
	13TB051603	16May03 /	W	2	2										
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		/													
		/													
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		/													
		/													

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Larry W Smith	16May03 / 1530	[illegible]	5/17/03 1005		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC. ☎ (877) 782-3311
THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.
KAS-COC1 (R 0900)

ORIGINAL

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 ____ of ____

Client: TL WOS
Contact: M. Akers
Phone #: (850) 385 9899
Fax #: (850) 385-9860
Address: 1401 Oven Park Dr. St 201
City: Tallahasse
State: FL
Zip Code: 32308
Purchase Order #: WR 340 N9061
Proj. Name / No.: PCU-RF1
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): William R. Olson
Copies To:

LAB USE ONLY
WORK ORDER #: WT1160
KATAHDIN PROJECT MANAGER:

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.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL SVOC/SIM 8270C (Filt. ☐Y ☒N)	Selected Metals 6010B (Filt. ☐Y ☒N)	RSK 147/175 (Filt. ☐Y ☒N)	TOC EPA 415.1 (Filt. ☐Y ☒N)	Anions EPA 300 (Filt. ☐Y ☒N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐
	13GLM08S02	5/16/03/0835	GW	11	3	2	1	2	2	1				
	13GLM08I02	5/16/03/0945	GW	11	3	2	1	2	2	1				
	13GLM15S02	5/16/03/1100	GW	11	3	2	1	2	2	1				
	13GLM15I02	5/16/03/1205	GW	11	3	2	1	2	2	1				
	13GLM14I02	5/16/03/1355	GW	11	3	2	1	2	2	1				
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	5/16/03 1530	[signature]	5/17/03 1005		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC. ☎ (877) 782-3311

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

ORIGINAL

LABORATORY NARRATIVE
Modified RSK 175
Katahdin Laboratory
Workorder# 0305384

Twelve VOA Vial-40 mL samples were received on May 20, 2003. The laboratory performed analysis via Modified RSK 175 for Methane, Ethane and Ethene using GC/FID. The method involves placing an aliquot of the sample in a headspace vial. The vial is then placed into HP7694 Headspace Autosampler equipped with oven, shaker and 1 mL sample loop. Sample is baked and then equilibrated at 40°C for 15 minutes with high agitation. Finally, a direct injection of the headspace is performed. See the data sheets for the reporting limits for each compound.

Requirement	*RSK 175*	*ATL Modifications*
Sample Collection	Collect sample in 60 mL crimp-top vial.	Collect sample in 40 mL VOA vial.
Headspace Generation	Headspace is generated in 60 mL sample vial by displacing volume of liquid with Helium. The amount of liquid should be 10% of sample volume in bottle, up to 10 mL.	5.0 mL of sample is displaced with 5.0 mL Nitrogen and transferred to a Nitrogen purged and capped autosampler vial. Headspace is then generated in the autosampler vial.
Sample Preparation	Sample is shaken 5 min. to equilibrate analyte between headspace and liquid phase.	Prior to injection, autosampler shakes sample for 15 min. while heating to 40°C.
Headspace Injection	Syringe injection of 300 mL headspace into GC.	Autosampler pressurizes sample to fill 1.0 mL loop with headspace sample.
Calibration and Quantitation	Direct injections of gas phase standards are used to obtain a Calibration Curve. Henry's Law is used to calculate mg of gas per Liter of water. Calculation requires recording total volume of serum bottle and headspace, and sample temperature.	Calibration standards are prepared by addition of a gaseous spike solution to clean water. Response factors are calculated for each level of a multi point calibration, and the mean is used to calculate quantitation for each target analyte.
Initial Calibration Curve (ICAL)	Linear regression	% RSD </= 30%, use average RF to quantify results
Lab Blanks	Blank subtraction is performed.	No blank subtraction; Lab Blank must be less than the Reporting Limit.
Specified Detectors	FID or ECD	FID or TCD

Receiving Notes

The number of samples received did not match the information on the chain of custody. The discrepancy was noted in the Login email and sample 13GLM12I02D was added to the analytical request.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
13GLM08S02	0305384-01A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM08I02	0305384-02A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM15S02	0305384-03A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM15S02 Duplicate	0305384-03AA	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM15I02	0305384-04A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM14I02	0305384-05A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM04S02	0305384-06A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM04I02	0305384-07A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM06S02	0305384-08A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM06I02	0305384-09A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM06I02D	0305384-10A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM12I02	0305384-11A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
13GLM12I02D	0305384-12A	5/16/2003	5/20/2003	NA	14	5/30/2003	NA	Good
Lab Blank	0305384-13A	NA	NA	NA	NA	5/30/2003	NA	Good
LCS	0305384-14A	NA	NA	NA	NA	5/30/2003	NA	Good

LABORATORY NARRATIVE
Modified RSK 175
Katahdin Laboratory
Workorder# 0305387

Six VOA Vial-40 mL samples were received on May 20, 2003. The laboratory performed analysis via Modified RSK 175 for Methane, Ethane and Ethene using GC/FID. The method involves placing an aliquot of the sample in a headspace vial. The vial is then placed into HP7694 Headspace Autosampler equipped with oven, shaker and 1 mL sample loop. Sample is baked and then equilibrated at 40°C for 15 minutes with high agitation. Finally, a direct injection of the headspace is performed. See the data sheets for the reporting limits for each compound.

Requirement	*RSK 175*	*ATL Modifications*
Sample Collection	Collect sample in 60 mL crimp-top vial.	Collect sample in 40 mL VOA vial.
Headspace Generation	Headspace is generated in 60 mL sample vial by displacing volume of liquid with Helium. The amount of liquid should be 10% of sample volume in bottle, up to 10 mL.	5.0 mL of sample is displaced with 5.0 mL Nitrogen and transferred to a Nitrogen purged and capped autosampler vial. Headspace is then generated in the autosampler vial.
Sample Preparation	Sample is shaken 5 min. to equilibrate analyte between headspace and liquid phase.	Prior to injection, autosampler shakes sample for 15 min. while heating to 40°C.
Headspace Injection	Syringe injection of 300 mL headspace into GC.	Autosampler pressurizes sample to fill 1.0 mL loop with headspace sample.
Calibration and Quantitation	Direct injections of gas phase standards are used to obtain a Calibration Curve. Henry's Law is used to calculate mg of gas per Liter of water. Calculation requires recording total volume of serum bottle and headspace, and sample temperature.	Calibration standards are prepared by addition of a gaseous spike solution to clean water. Response factors are calculated for each level of a multi point calibration, and the mean is used to calculate quantitation for each target analyte.
Initial Calibration Curve (ICAL)	Linear regression	% RSD <= 30%, use average RF to quantify results
Lab Blanks	Blank subtraction is performed.	No blank subtraction; Lab Blank must be less than the Reporting Limit.
Specified Detectors	FID or ECD	FID or TCD

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
13GLM03D02	0305387-01A	5/15/2003	5/20/2003	NA	14	5/29/2003	NA	Good
13GLM10S02	0305387-02A	5/15/2003	5/20/2003	NA	14	5/29/2003	NA	Good
13GLM10S02D	0305387-03A	5/15/2003	5/20/2003	NA	14	5/29/2003	NA	Good
13GLM10I02	0305387-04A	5/15/2003	5/20/2003	NA	14	5/29/2003	NA	Good
13GLM11S02	0305387-05A	5/15/2003	5/20/2003	NA	14	5/29/2003	NA	Good
13GLM11I02	0305387-06A	5/15/2003	5/20/2003	NA	14	5/29/2003	NA	Good
13GLM11I02 Duplicate	0305387-06AA	5/15/2003	5/20/2003	NA	14	5/29/2003	NA	Good
Lab Blank	0305387-07A	NA	NA	NA	NA	5/29/2003	NA	Good
LCS	0305387-08A	NA	NA	NA	NA	5/29/2003	NA	Good

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: FB156 BFB Injection Date: 05/23/03

Instrument ID: GCMS-F BFB Injection Time: 1056

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	19.3
75	30.0 - 60.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	74.6
175	4.0 - 9.0% of mass 174	4.5 (6.0)1
176	95.0 - 101.0% of mass 174	71.2 (95.4)1
177	5.0 - 9.0% of mass 176	5.2 (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		VSTD020F23A	F0304	05/23/03	1216
02		VSTD050F23A	F0305	05/23/03	1249
03		VSTD010F23A	F0306	05/23/03	1321
04		VSTD005F23A	F0307	05/23/03	1354
05		VSTD200F23A	F0308	05/23/03	1426
06		VSTD100F23B	F0309	05/23/03	1459
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % 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 (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; i.e.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 less than sample activity

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-F Calibration Date(s): 05/23/03 05/23/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1216 1459

LAB FILE ID: RF5: F0307 RF10: F0306 RF20: F0304
RF50: F0305 RF100: F0309 RF200: F0308

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Dichlorodifluoromethane	0.354	0.347	0.334	0.350	0.309	0.329	AVRG		0.33730		5.012	15.000	
Chloromethane	0.464	0.448	0.484	0.461	0.427	0.436	AVRG		0.45337		4.558	15.000	
Vinyl chloride	0.566	0.471	0.508	0.507	0.475	0.469	AVRG		0.49949		7.449	15.000	
Bromomethane	0.185	0.209	0.209	0.208	0.216	0.210	AVRG		0.20616		5.154	15.000	
Chloroethane	0.329	0.304	0.337	0.304	0.292	0.295	AVRG		0.31016		6.022	15.000	
Trichlorofluoromethane	0.748	0.721	0.764	0.745	0.705	0.730	AVRG		0.73561		2.886	15.000	
1,1-Dichloroethene	0.448	0.405	0.457	0.454	0.419	0.424	AVRG		0.43488		4.927	15.000	
Carbon Disulfide	1.769	1.672	1.767	1.786	1.670	1.699	AVRG		1.72723		3.053	15.000	
Freon-113	0.397	0.393	0.389	0.379	0.361	0.366	AVRG		0.38106		3.900	15.000	
Methylene Chloride	0.632	0.573	0.546	0.559	0.532	0.532	AVRG		0.56212		6.681	15.000	
Acetone	5541	7384	20311	36436	69628	152970	2ORDR	-0.1572	13.6343	-8.7452	0.99466	0.99000	
trans-1,2-Dichloroethene	0.460	0.465	0.470	0.498	0.467	0.484	AVRG		0.47410		2.968	15.000	
Methyl tert-butyl ether	1.369	0.999	1.801	0.700	0.692	0.490	AVRG		1.00876		49.011	15.000	<-
1,1-Dichloroethane	0.919	0.914	1.014	0.948	0.909	0.966	AVRG		0.94517		4.270	15.000	
cis-1,2-Dichloroethene	0.465	0.497	0.502	0.521	0.495	0.497	AVRG		0.49629		3.650	15.000	
1,2-Dichloroethylene (total)	0.926	0.962	0.973	1.019	0.962	0.980	AVRG		0.97039		3.141	15.000	
Chloroform	1.081	1.028	1.056	1.066	0.987	1.039	AVRG		1.04305		3.182	15.000	
Carbon Tetrachloride	0.491	0.472	0.496	0.483	0.468	0.474	AVRG		0.48058		2.290	15.000	
1,1,1-Trichloroethane	0.847	0.880	0.874	0.892	0.825	0.868	AVRG		0.86419		2.824	15.000	
2-Butanone	3034	7213	18353	34359	70239	145890	LINR	3e-002	10.1888		0.99209	0.99000	
Benzene	1.347	1.372	1.419	1.428	1.361	1.349	AVRG		1.37943		2.563	15.000	
Cyclohexane	0.786	0.828	0.758	0.790	0.749	0.756	AVRG		0.77788		3.848	15.000	
1,2-Dichloroethane	0.630	0.570	0.627	0.599	0.576	0.619	AVRG		0.60346		4.330	15.000	
Trichloroethene	0.325	0.315	0.327	0.354	0.338	0.325	AVRG		0.33068		4.032	15.000	
1,2-Dichloropropane	0.345	0.320	0.332	0.335	0.335	0.326	AVRG		0.33211		2.620	15.000	
Bromodichloromethane	0.512	0.521	0.523	0.530	0.523	0.526	AVRG		0.52258		1.137	15.000	
cis-1,3-dichloropropene	0.558	0.572	0.626	0.571	0.585	0.601	AVRG		0.58539		4.195	15.000	
Toluene	0.805	0.803	0.845	0.845	0.815	0.799	AVRG		0.81872		2.580	15.000	
4-methyl-2-pentanone	0.351	0.335	0.449	0.327	0.321	0.370	AVRG		0.35876		13.246	15.000	
Tetrachloroethene	0.276	0.287	0.310	0.299	0.304	0.281	AVRG		0.29300		4.635	15.000	
trans-1,3-Dichloropropene	0.558	0.572	0.626	0.571	0.585	0.601	AVRG		0.58539		4.195	15.000	
1,1,2-Trichloroethane	0.429	0.378	0.456	0.352	0.370	0.409	AVRG		0.39905		9.793	15.000	
Dibromochloromethane	0.424	0.407	0.476	0.441	0.438	0.452	AVRG		0.43965		5.313	15.000	
1,2-Dibromoethane	0.305	0.316	0.339	0.296	0.301	0.316	AVRG		0.31204		4.881	15.000	
2-Hexanone	18915	45291	110460	203120	403350	876530	LINR	2e-002	2.27136		0.99318	0.99000	
Chlorobenzene	0.973	0.968	1.033	1.001	0.975	0.938	AVRG		0.98150		3.271	15.000	
Ethylbenzene	1.687	1.696	1.797	1.757	1.775	1.753	AVRG		1.74403		2.492	15.000	
Xylenes (total)							AVRG					0.000	
m+p-Xylenes	0.662	0.638	0.685	0.696	0.672	0.645	AVRG		0.66661		3.372	15.000	
o-Xylene	0.644	0.632	0.673	0.655	0.655	0.642	AVRG		0.65011		2.195	15.000	
Styrene	0.924	0.913	0.977	0.996	1.027	1.009	AVRG		0.97429		4.751	15.000	
Bromoform	0.257	0.256	0.322	0.258	0.272	0.287	AVRG		0.27533		9.360	15.000	
Isopropylbenzene	2.956	2.820	2.738	2.950	2.772	2.716	AVRG		2.82534		3.716	15.000	
1,1,2,2-Tetrachloroethane	0.938	0.804	0.928	0.763	0.759	0.823	AVRG		0.83581		9.456	15.000	

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-F Calibration Date(s): 05/23/03 05/23/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1216 1459

LAB FILE ID: RF5: F0307 RF10: F0306 RF20: F0304
RF50: F0305 RF100: F0309 RF200: F0308

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,3,5-Trimethylbenzene	2.417	2.315	2.395	2.588	2.428	2.409	AVRG		2.42530		3.676	15.000
1,2,4-Trimethylbenzene	2.624	2.612	2.534	2.754	2.560	2.562	AVRG		2.60772		3.042	15.000
1,3-Dichlorobenzene	1.659	1.588	1.530	1.581	1.472	1.478	AVRG		1.55138		4.636	15.000
1,4-Dichlorobenzene	1.642	1.532	1.568	1.553	1.530	1.482	AVRG		1.55097		3.418	15.000
1,2-Dichlorobenzene	1.516	1.416	1.457	1.432	1.362	1.374	AVRG		1.42619		3.963	15.000
1,2-Dibromo-3-Chloropropane	6245	10453	21927	37708	84013	179880	LINR	4e-003	6.38185		0.99306	0.99000
1,2,4-Trichlorobenzene	0.795	0.833	0.818	0.715	0.751	0.770	AVRG		0.78042		5.621	15.000
Methyl Acetate	11668	20885	67948	105180	255420	521640	LINR	6e-002	2.82614		0.99045	0.99000
Methylcyclohexane	0.803	0.740	0.777	0.769	0.728	0.740	AVRG		0.75937		3.753	15.000
Dibromofluoromethane	0.514	0.521	0.555	0.523	0.504	0.527	AVRG		0.52407		3.291	15.000
1,2-Dichloroethane-D4	0.794	0.786	0.808	0.780	0.739	0.819	AVRG		0.78786		3.525	15.000
Toluene-D8	1.013	1.021	1.036	1.056	1.015	1.004	AVRG		1.02409		1.850	15.000
P-Bromofluorobenzene	0.445	0.483	0.491	0.470	0.469	0.485	AVRG		0.47389		3.510	15.000

Average %RSD test result.

Calculate Average %RSD: 5.240200520
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG2417-LCS	WG2417-1	112	122	100	114	0
02	WG2417-BLANK	WG2417-2	117	128	97	107	0
03	03GLM05S02	WT1148-1	121	133	93	104	0
04	13GLM03D02	WT1148-3	114	125	101	106	0
05	13GLM10S02	WT1148-5	127	145*	101	109	1
06	13GLM10S02D	WT1148-7	120	135	97	116	0
07	13GLM10I02	WT1148-9	120	134	107	113	0
08	WG2446-LCS	WG2446-1	108	108	103	100	0
09	WG2446-BLANK	WG2446-2	111	112	103	97	0
10	13GLM11S02	WT1148-11	110	110	107	100	0
11	13GLM11I02	WT1148-13	114	114	106	100	0
12	13TB051603	WT1160-24	116	116	106	101	0
13	13GLM08S02	WT1160-1	116	112	105	102	0
14	13GLM08I02	WT1160-3	115	121	106	102	0
15	13GLM15S02	WT1160-5	114	120	108	102	0
16	13GLM15I02	WT1160-7	117	120	102	96	0
17	13GLM14I02	WT1160-9	117	115	107	103	0
18	13GLM04S02	WT1160-12	121	122	107	100	0
19	13GLM04I02	WT1160-14	114	114	103	103	0
20	13GLM06S02	WT1160-17	116	118	105	98	0
21	13GLM06I02	WT1160-18	115	111	104	98	0
22	13GLM06I02D	WT1160-20	118	117	105	100	0
23	13RL051603	WT1160-22	118	117	104	102	0
24	13GLM12I02	WT1160-25	120	117	104	99	0
25	13GLM12I02D	WT1160-27	114	118	107	102	0
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(75-129)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(65-135)
SMC3 (TOL)	= Toluene-D8	(82-120)
SMC4 (BFB)	= P-Bromofluorobenzene	(69-125)

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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: FB161 BFB Injection Date: 05/27/03

Instrument ID: GCMS-F BFB Injection Time: 2139

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	22.1
75	30.0 - 60.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.3 (0.5)1
174	Greater than 50.0% of mass 95	67.4
175	4.0 - 9.0% of mass 174	4.7 (6.9)1
176	95.0 - 101.0% of mass 174	65.4 (97.0)1
177	5.0 - 9.0% of mass 176	5.9 (9.0)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		VSTD050F27C	F0366	05/27/03	2159
02	WG2417-LCS	WG2417-1	F0367	05/27/03	2248
03	WG2417-BLANK	WG2417-2	F0370	05/27/03	2354
04	03GLM0502	WT1148-1	F0371	05/28/03	0027
05	13GLM03D02	WT1148-3	F0372	05/28/03	0059
06	13GLM10S02	WT1148-5	F0373	05/28/03	0132
07	13GLM10S02D	WT1148-7	F0374	05/28/03	0205
08	13GLM10I02	WT1148-9	F0375	05/28/03	0238
09					
10					
11					
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-F Calibration Date: 05/27/03 Time: 2159

Lab File ID: F0366 Init. Calib. Date(s): 05/23/03 05/23/03

Init. Calib. Times: 1216 1459

GC Column: RTX-624 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	0.3370000	0.3578600	0.3578600	0.01	6.19		AVRG
Chloromethane	0.4530000	0.3733800	0.3733800	0.1	-17.58		AVRG
Vinyl chloride	0.4990000	0.4408500	0.4408500	0.01	-11.65	20.00	AVRG
Bromomethane	0.2060000	0.2197200	0.2197200	0.01	6.66		AVRG
Chloroethane	0.3100000	0.3074700	0.3074700	0.01	-0.82		AVRG
Trichlorofluoromethane	0.7360000	0.9539700	0.9539700	0.01	29.62		AVRG
1,1-Dichloroethene	0.4340000	0.4211400	0.4211400	0.1	-2.96	20.00	AVRG
Carbon Disulfide	1.7270000	1.6627000	1.6627000	0.01	-3.72		AVRG
Freon-113	0.3810000	0.3958000	0.3958000	0.01	3.88		AVRG
Methylene Chloride	0.5620000	0.5563600	0.5563600	0.01	-1.00		AVRG
Acetone	46.108000	50.000000	8.37e-002	0.01	-7.78	20.00	2RDR
trans-1,2-Dichloroethene	0.4740000	0.4665700	0.4665700	0.01	-1.57		AVRG
Methyl tert-butyl ether	1.0080000	1.2450000	1.2450000	0.01	23.51		AVRG
1,1-Dichloroethane	0.9450000	0.9776100	0.9776100	0.01	3.45		AVRG
cis-1,2-Dichloroethene	0.4960000	0.4864600	0.4864600	0.01	-1.92		AVRG
1,2-Dichloroethylene (total)	0.9700000	0.9530200	0.9530200	0.01	-1.75		AVRG
Chloroform	1.0430000	1.1162000	1.1162000	0.01	7.02	20.00	AVRG
Carbon Tetrachloride	0.4810000	0.5470400	0.5470400	0.01	13.73		AVRG
1,1,1-Trichloroethane	0.8640000	1.0076000	1.0076000	0.01	16.62		AVRG
2-Butanone	43.600000	50.000000	8.23e-002	0.01	-12.80	20.00	LINR
Benzene	1.3790000	1.1811000	1.1811000	0.01	-14.35		AVRG
Cyclohexane	0.7780000	0.6540900	0.6540900	0.01	-15.93		AVRG
1,2-Dichloroethane	0.6040000	0.7154700	0.7154700	0.01	18.46		AVRG
Trichloroethene	0.3310000	0.3097000	0.3097000	0.01	-6.44		AVRG
1,2-Dichloropropane	0.3320000	0.2820500	0.2820500	0.01	-15.04	20.00	AVRG
Bromodichloromethane	0.5220000	0.5404500	0.5404500	0.01	3.53		AVRG
cis-1,3-dichloropropene	0.5860000	0.5890600	0.5890600	0.01	0.52		AVRG
Toluene	0.8190000	0.7451200	0.7451200	0.01	-9.02	20.00	AVRG
4-methyl-2-pentanone	0.3590000	0.3230000	0.3230000	0.01	-10.03		AVRG

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-F Calibration Date: 05/27/03 Time: 2159

Lab File ID: F0366 Init. Calib. Date(s): 05/23/03 05/23/03

Init. Calib. Times: 1216 1459

GC Column: RTX-624 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	
Tetrachloroethene	0.2930000	0.2640100	0.2640100	0.01	-9.89		AVRG	
trans-1,3-Dichloropropene	0.5860000	0.5890600	0.5890600	0.01	0.52		AVRG	
1,1,2-Trichloroethane	0.3990000	0.4162400	0.4162400	0.01	4.32		AVRG	
Dibromochloromethane	0.4400000	0.4269000	0.4269000	0.01	-2.98		AVRG	
1,2-Dibromoethane	0.3120000	0.3168700	0.3168700	0.01	1.56		AVRG	
2-Hexanone	42.138000	50.000000	0.3609600	0.01	-15.72	20.00	LINR	
Chlorobenzene	0.9810000	0.9004200	0.9004200	0.3	-8.21		AVRG	
Ethylbenzene	1.7440000	1.6042000	1.6042000	0.01	-8.02	20.00	AVRG	
Xylenes (total)	0.0000000	0.6042200	0.6042200	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6660000	0.6065000	0.6065000	0.01	-8.93		AVRG	
o-Xylene	0.6500000	0.5996600	0.5996600	0.01	-7.74		AVRG	
Styrene	0.9740000	0.9269100	0.9269100	0.01	-4.83		AVRG	
Bromoform	0.2750000	0.2619800	0.2619800	0.1	-4.73		AVRG	
Isopropylbenzene	2.8250000	2.6164000	2.6164000	0.01	-7.38		AVRG	
1,1,2,2-Tetrachloroethane	0.8360000	0.7744700	0.7744700	0.3	-7.36		AVRG	
1,3,5-Trimethylbenzene	2.4250000	2.3194000	2.3194000	0.01	-4.35		AVRG	
1,2,4-Trimethylbenzene	2.6080000	2.5235000	2.5235000	0.01	-3.24		AVRG	
1,3-Dichlorobenzene	1.5510000	1.4364000	1.4364000	0.01	-7.39		AVRG	
1,4-Dichlorobenzene	1.5510000	1.5908000	1.5908000	0.01	2.57		AVRG	
1,2-Dichlorobenzene	1.4260000	1.3984000	1.3984000	0.01	-1.94		AVRG	
1,2-Dibromo-3-Chloropropane	54.519000	50.000000	0.1701700	0.01	9.04	20.00	LINR	
1,2,4-Trichlorobenzene	0.7800000	0.7597500	0.7597500	0.01	-2.60		AVRG	
Methyl Acetate	46.296000	50.000000	0.3054500	0.01	-7.41		LINR	
Methylcyclohexane	0.7600000	0.6992600	0.6992600	0.01	-7.99		AVRG	
Dibromofluoromethane	0.5240000	0.5979200	0.5979200	0.01	14.11		AVRG	
1,2-Dichloroethane-D4	0.7880000	0.9969000	0.9969000	0.01	26.51		AVRG	
Toluene-D8	1.0240000	1.0099000	1.0099000	0.01	-1.38		AVRG	
P-Bromofluorobenzene	0.4740000	0.5325800	0.5325800	0.01	12.36		AVRG	

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2417-2
Client ID: WG2417-Blank
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	J	1	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2417-2
Client ID: WG2417-Blank
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		117%				
17060-07-0	1,2-Dichloroethane-D4		128%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		107%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/30/2003
Matrix: WATER

Lab ID: WG2417-1
Client ID: WG2417-LCS
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	56	112	4-217
Chloromethane	50	NA	46	91	40-163
Vinyl chloride	50	NA	48	96	55-151
Bromomethane	50	NA	46	92	24-217
Chloroethane	50	NA	48	95	69-134
Trichlorofluoromethane	50	NA	63	126	71-147
1,1-Dichloroethene	50	NA	52	104	78-136
Carbon Disulfide	50	NA	49	98	70-136
Freon-113	50	NA	53	106	60-140
Methylene Chloride	50	NA	48	97	52-115
Acetone	50	NA	45	91	0-158
trans-1,2-Dichloroethene	50	NA	50	100	84-131
Methyl tert-butyl ether	50	NA	29	* 58	62-130
1,1-Dichloroethane	50	NA	50	101	81-134
cis-1,2-Dichloroethene	50	NA	52	103	84-123
1,2-Dichloroethylene (total)	100	NA	101	101	84-131
Chloroform	50	NA	54	107	80-130
Carbon Tetrachloride	50	NA	58	116	74-137
1,1,1-Trichloroethane	50	NA	58	116	76-138
2-Butanone	50	NA	40	80	49-154
Benzene	50	NA	44	88	88-120
Cyclohexane	50	NA	44	89	60-140
1,2-Dichloroethane	50	NA	58	116	78-138
Trichloroethene	50	NA	54	109	80-125
1,2-Dichloropropane	50	NA	43	85	80-122
Bromodichloromethane	50	NA	52	104	83-133
cis-1,3-dichloropropene	50	NA	50	100	81-138
Toluene	50	NA	47	94	88-121
4-methyl-2-pentanone	50	NA	43	86	72-140
Tetrachloroethene	50	NA	47	94	77-129
trans-1,3-Dichloropropene	50	NA	50	100	81-149
1,1,2-Trichloroethane	50	NA	51	101	82-126
Dibromochloromethane	50	NA	50	100	80-133
1,2-Dibromoethane	50	NA	49	99	88-127
2-Hexanone	50	NA	38	76	45-146
Chlorobenzene	50	NA	48	96	84-123
Ethylbenzene	50	NA	46	92	84-131
Xylenes (total)	150	NA	143	95	88-123
m+p-Xylenes	100	NA	95	95	88-122
o-Xylene	50	NA	48	97	90-123
Styrene	50	NA	47	94	87-131
Bromoform	50	NA	48	96	77-138
Isopropylbenzene	50	NA	49	98	88-125
1,1,2,2-Tetrachloroethane	50	NA	47	93	81-131
1,3-Dichlorobenzene	50	NA	48	97	86-124

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/30/2003
Matrix: WATER

Lab ID: WG2417-1
Client ID: WG2417-LCS
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,4-Dichlorobenzene	50	NA	51	102	80-127
1,2-Dichlorobenzene	50	NA	51	102	86-126
1,2-Dibromo-3-Chloropropane	50	NA	55	110	61-136
1,2,4-Trichlorobenzene	50	NA	51	101	53-157
Methyl Acetate	50	NA	43	86	60-140
Methylcyclohexane	50	NA	48	97	60-140

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): F0366 Date Analyzed: 05/27/03

Instrument ID: GCMS-F Time Analyzed: 2159

GC Column: RTX-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		234749	9.76	382559	10.34	355131	13.11
UPPER LIMIT		469498	10.26	765118	10.84	710262	13.61
LOWER LIMIT		117375	9.26	191280	9.84	177566	12.61
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2417-LCS	WG2417-1	242627	9.75	394149	10.35	359765	13.11
02 WG2417-BLANK	WG2417-2	234955	9.76	400885	10.34	365373	13.10
03 03GLM0502	WT1148-1	232199	9.75	397977	10.34	341024	13.11
04 13GLM03D02	WT1148-3	242992	9.76	389504	10.34	356812	13.11
05 13GLM10S02	WT1148-5	240482	9.75	413095	10.34	389269	13.10
06 13GLM10S02D	WT1148-7	242432	9.75	406768	10.35	366977	13.11
07 13GLM10I02	WT1148-9	261190	9.75	449054	10.34	407123	13.11
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): F0366 Date Analyzed: 05/27/03

Instrument ID: GCMS-F Time Analyzed: 2159

GC Column: RTX-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		205608	14.57				
UPPER LIMIT		411216	15.07				
LOWER LIMIT		102804	14.07				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2417-LCS	WG2417-1	204094	14.58				
02 WG2417-BLANK	WG2417-2	190120	14.58				
03 03GLM0502	WT1148-1	174360	14.58				
04 13GLM03D02	WT1148-3	180812	14.58				
05 13GLM10S02	WT1148-5	212250	14.58				
06 13GLM10S02D	WT1148-7	221149	14.58				
07 13GLM10I02	WT1148-9	202535	14.58				
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: FB162 BFB Injection Date: 05/28/03

Instrument ID: GCMS-F BFB Injection Time: 1016

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	27.2
75	30.0 - 60.0% of mass 95	59.2
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	0.8 (1.1)1
174	Greater than 50.0% of mass 95	73.5
175	4.0 - 9.0% of mass 174	3.0 (4.1)1
176	95.0 - 101.0% of mass 174	72.3 (98.4)1
177	5.0 - 9.0% of mass 176	5.2 (7.2)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		VSTD100F28A	F0381	05/28/03	1332
02		VSTD005F28C	F0384	05/28/03	1527
03		VSTD010F28A	F0385	05/28/03	1632
04		VSTD050F28B	F0388	05/28/03	1810
05		VSTD020F28B	F0389	05/28/03	1843
06		VSTD200F28B	F0390	05/28/03	1915
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-F Calibration Date(s): 05/28/03 05/28/03

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1332 1915

LAB FILE ID: RF1: F0383 RF5: F0384 RF20: F0389
RF50: F0388 RF100: F0381 RF200: F0390

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane		0.351	0.390	0.402	0.359	0.333	AVRG		0.34942		14.450	15.000
Chloromethane		5962	30480	68150	177400	260830	2ORDR	0.11267	1.74554	0.93269	0.99539	0.99000
Vinyl chloride		0.291	0.403	0.365	0.386	0.317	AVRG		0.34427		13.609	15.000
Bromomethane		3881	15684	29754	93681	172270	LINR	1.e-001	4.55016		0.99488	0.99000
Chloroethane		0.189	0.254	0.256	0.262	0.225	AVRG		0.23290		12.535	15.000
Trichlorofluoromethane		0.809	0.807	0.828	0.783	0.746	AVRG		0.77711		6.624	15.000
1,1-Dichloroethene		0.347	0.315	0.367	0.361	0.340	AVRG		0.33477		9.943	15.000
Carbon Disulfide		1.241	1.091	1.253	1.286	1.148	AVRG		1.16724		9.865	15.000
Freon-113		0.319	0.319	0.364	0.367	0.333	AVRG		0.33484		7.496	15.000
Methylene Chloride		0.449	0.368	0.381	0.390	0.355	AVRG		0.38462		8.756	15.000
Acetone		1701	4731	12578	30979	47685	LINR	-4e-002	16.3482		0.99100	0.99000
trans-1,2-Dichloroethene		0.375	0.354	0.354	0.380	0.351	AVRG		0.35201		8.249	15.000
Methyl tert-butyl ether		19149	60922	137380	253300	342000	2ORDR	9e-002	0.53092	1.02549	0.99899	0.99000
1,1-Dichloroethane		0.772	0.727	0.732	0.759	0.696	AVRG		0.72187		6.351	15.000
cis-1,2-Dichloroethene		0.384	0.356	0.369	0.392	0.364	AVRG		0.36440		6.794	15.000
1,2-Dichloroethylene (total)							AVRG		0.61915		0.000	15.000
Chloroform		0.805	0.871	0.869	0.866	0.814	AVRG		0.84206		3.602	15.000
Carbon Tetrachloride		0.495	0.539	0.550	0.537	0.521	AVRG		0.52421		4.129	15.000
1,1,1-Trichloroethane		0.788	0.808	0.810	0.804	0.767	AVRG		0.78770		3.184	15.000
2-Butanone		711	3718	11041	24823	41225	LINR	1e-003	18.9921		0.99640	0.99000
Benzene		0.961	1.042	1.028	1.091	0.993	AVRG		1.01743		4.542	15.000
Cyclohexane		0.438	0.514	0.506	0.558	0.485	AVRG		0.49982		7.836	15.000
1,2-Dichloroethane		0.678	0.702	0.731	0.686	0.694	AVRG		0.69453		2.939	15.000
Trichloroethene		0.303	0.356	0.364	0.346	0.324	AVRG		0.33026		9.005	15.000
1,2-Dichloropropane		0.237	0.248	0.269	0.273	0.256	AVRG		0.25655		5.205	15.000
Bromodichloromethane		0.506	0.487	0.504	0.502	0.489	AVRG		0.49285		2.905	15.000
cis-1,3-dichloropropene		0.436	0.454	0.504	0.534	0.488	AVRG		0.47670		8.130	15.000
Toluene		0.590	0.659	0.700	0.729	0.667	AVRG		0.66254		7.416	15.000
4-methyl-2-pentanone		6721	31792	90564	210350	358110	LINR	7e-003	2.94065		0.99771	0.99000
Tetrachloroethene		0.316	0.320	0.302	0.298	0.287	AVRG		0.30048		5.304	15.000
trans-1,3-Dichloropropene		0.446	0.489	0.505	0.542	0.527	AVRG		0.49905		6.825	15.000
1,1,2-Trichloroethane		0.219	0.215	0.212	0.222	0.214	AVRG		0.21704		1.918	15.000
Dibromochloromethane		0.452	0.418	0.439	0.420	0.435	AVRG		0.42645		4.756	15.000
1,2-Dibromoethane		0.284	0.303	0.311	0.314	0.313	AVRG		0.30290		4.122	15.000
2-Hexanone		0.282	0.345	0.385	0.392	0.364	AVRG		0.34779		12.101	15.000
Chlorobenzene		0.905	0.965	0.927	0.928	0.911	AVRG		0.92377		2.448	15.000
Ethylbenzene		1.435	1.589	1.612	1.631	1.553	AVRG		1.54911		5.069	15.000
Xylenes (total)							AVRG		1.60241		0.000	15.000
m+p-Xylenes		0.509	0.591	0.596	0.603	0.585	AVRG		0.56880		6.969	15.000
o-Xylene		0.500	0.548	0.570	0.582	0.571	AVRG		0.55305		5.318	15.000
Styrene		0.792	0.835	0.890	0.946	0.921	AVRG		0.86660		7.107	15.000
Bromoform		0.275	0.280	0.310	0.306	0.308	AVRG		0.29499		5.104	15.000
Isopropylbenzene		2.518	2.640	2.535	2.721	2.590	AVRG		2.57938		3.520	15.000
1,1,2,2-Tetrachloroethane		0.651	0.598	0.628	0.664	0.643	AVRG		0.63323		3.837	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-F Calibration Date(s): 05/28/03 05/28/03

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1332 1915

LAB FILE ID: RF1: F0383 RF5: F0384 RF20: F0389
RF50: F0388 RF100: F0381 RF200: F0390

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,3-Dichlorobenzene		1.350	1.378	1.379	1.397	1.342	AVRG		1.35797		2.524	15.000
1,4-Dichlorobenzene		1.359	1.487	1.383	1.395	1.403	AVRG		1.40965		3.159	15.000
1,2-Dichlorobenzene		1.256	1.304	1.320	1.311	1.313	AVRG		1.29353		2.234	15.000
1,2-Dibromo-3-Chloropropane		0.196	0.177	0.158	0.167	0.164	AVRG		0.17307		7.834	15.000
1,2,4-Trichlorobenzene		0.969	0.857	0.846	0.916	0.820	AVRG		0.87462		6.479	15.000
Methyl Acetate		8928	27337	56495	103880	132890	2ORDR	0.13156	0.39623	8.09918	0.99690	0.99000
Methylcyclohexane		0.483	0.468	0.480	0.525	0.470	AVRG		0.47587		6.465	15.000
Dibromofluoromethane		0.469	0.464	0.491	0.501	0.493	AVRG		0.48394		3.028	15.000
1,2-Dichloroethane-D4		0.758	0.780	0.823	0.769	0.774	AVRG		0.77651		3.170	15.000
Toluene-D8		0.905	0.983	1.023	1.069	0.982	AVRG		0.99095		5.476	15.000
P-Bromofluorobenzene		0.473	0.485	0.520	0.535	0.521	AVRG		0.50188		5.275	15.000

Average %RSD test result.

Calculate Average %RSD: 6.165341854
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: FB163 BFB Injection Date: 05/29/03

Instrument ID: GCMS-F BFB Injection Time: 0939

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	28.5
75	30.0 - 60.0% of mass 95	59.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	61.5
175	4.0 - 9.0% of mass 174	5.4 (8.8)1
176	95.0 - 101.0% of mass 174	61.9 (100.6)1
177	5.0 - 9.0% of mass 176	5.1 (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		VSTD050F29A	F0392	05/29/03	1004
02	WG2446-LCS	WG2446-1	F0393	05/29/03	1044
03	WG2446-BLANK	WG2446-2	F0394	05/29/03	1124
04	13GLM11S02	WT1148-11	F0396	05/29/03	1236
05	13GLM11I02	WT1148-13	F0397	05/29/03	1309
06	13TB051603	WT1160-24	F0398	05/29/03	1342
07	13GLM08S02	WT1160-1	F0399	05/29/03	1414
08	13GLM08I02	WT1160-3	F0400	05/29/03	1447
09	13GLM15S02	WT1160-5	F0401	05/29/03	1520
10	13GLM15I02	WT1160-7	F0402	05/29/03	1552
11	13GLM14I02	WT1160-9	F0403	05/29/03	1629
12	13GLM04S02	WT1160-12	F0404	05/29/03	1702
13	13GLM04I02	WT1160-14	F0405	05/29/03	1735
14	13GLM06S02	WT1160-17	F0406	05/29/03	1807
15	13GLM06I02	WT1160-18	F0407	05/29/03	1840
16	13GLM06I02D	WT1160-20	F0408	05/29/03	1913
17	13RL051603	WT1160-22	F0409	05/29/03	1945
18	13GLM12I02	WT1160-25	F0410	05/29/03	2018
19	13GLM12I02D	WT1160-27	F0411	05/29/03	2050
20					
21					
22					

FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-F Calibration Date: 05/29/03 Time: 1004

Lab File ID: F0392 Init. Calib. Date(s): 05/28/03 05/28/03

Init. Calib. Times: 1332 1915

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	0.3490000	0.2316700	0.2316700	0.01	-33.62		AVRG	
Chloromethane	37.420000	50.000000	0.3121400	0.1	-25.16		2RDR	
Vinyl chloride	0.3440000	0.3706100	0.3706100	0.01	7.74	20.00	AVRG	
Bromomethane	53.769000	50.000000	0.2144000	0.01	7.54		LINR	
Chloroethane	0.2330000	0.2864700	0.2864700	0.01	22.95		AVRG	
Trichlorofluoromethane	0.7770000	0.8702000	0.8702000	0.01	12.00		AVRG	
1,1-Dichloroethene	0.3350000	0.3991600	0.3991600	0.1	19.15	20.00	AVRG	
Carbon Disulfide	1.1670000	1.2690000	1.2690000	0.01	8.74		AVRG	
Freon-113	0.3350000	0.3841400	0.3841400	0.01	14.67		AVRG	
Methylene Chloride	0.3850000	0.4127400	0.4127400	0.01	7.20		AVRG	
Acetone	69.699000	50.000000	8.77e-002	0.01	39.40		LINR	
trans-1,2-Dichloroethene	0.3520000	0.3807900	0.3807900	0.01	8.18		AVRG	
Methyl tert-butyl ether	151.14000	50.000000	1.4522000	0.01	202.28	20.00	2RDR	<-
1,1-Dichloroethane	0.7220000	0.7877800	0.7877800	0.01	9.11		AVRG	
cis-1,2-Dichloroethene	0.3640000	0.3993200	0.3993200	0.01	9.70		AVRG	
1,2-Dichloroethylene (total)	0.6190000	0.7801200	0.7801200	0.01	26.03		AVRG	
Chloroform	0.8420000	0.9187800	0.9187800	0.01	9.12	20.00	AVRG	
Carbon Tetrachloride	0.5240000	0.5313500	0.5313500	0.01	1.40		AVRG	
1,1,1-Trichloroethane	0.7880000	0.8793500	0.8793500	0.01	11.59		AVRG	
2-Butanone	62.875000	50.000000	6.61e-002	0.01	25.75		LINR	
Benzene	1.0170000	0.9684500	0.9684500	0.01	-4.77		AVRG	
Cyclohexane	0.5000000	0.5333200	0.5333200	0.01	6.66		AVRG	
1,2-Dichloroethane	0.6940000	0.7155700	0.7155700	0.01	3.11		AVRG	
Trichloroethene	0.3300000	0.3137400	0.3137400	0.01	-4.93		AVRG	
1,2-Dichloropropane	0.2560000	0.2488200	0.2488200	0.01	-2.80	20.00	AVRG	
Bromodichloromethane	0.4930000	0.5156300	0.5156300	0.01	4.59		AVRG	
cis-1,3-dichloropropene	0.4760000	0.4988100	0.4988100	0.01	4.79		AVRG	
Toluene	0.6620000	0.6707500	0.6707500	0.01	1.32	20.00	AVRG	
4-methyl-2-pentanone	55.566000	50.000000	0.3756300	0.01	11.13	20.00	LINR	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-F Calibration Date: 05/29/03 Time: 1004

Lab File ID: F0392 Init. Calib. Date(s): 05/28/03 05/28/03

Init. Calib. Times: 1332 1915

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
Tetrachloroethene	0.3000000	0.2776600	0.2776600	0.01	-7.45		AVRG
trans-1,3-Dichloropropene	0.4990000	0.5427900	0.5427900	0.01	8.78		AVRG
1,1,2-Trichloroethane	0.2170000	0.2139300	0.2139300	0.01	-1.41		AVRG
Dibromochloromethane	0.4260000	0.4690500	0.4690500	0.01	10.11		AVRG
1,2-Dibromoethane	0.3030000	0.3274900	0.3274900	0.01	8.08		AVRG
2-Hexanone	0.3480000	0.4266000	0.4266000	0.01	22.59		AVRG
Chlorobenzene	0.9240000	0.9575700	0.9575700	0.3	3.63		AVRG
Ethylbenzene	1.5490000	1.5814000	1.5814000	0.01	2.09	20.00	AVRG
Xylenes (total)	1.6020000	1.8001000	1.8001000	0.01	12.37		AVRG
m+p-Xylenes	0.5690000	0.6029700	0.6029700	0.01	5.97		AVRG
o-Xylene	0.5530000	0.5941900	0.5941900	0.01	7.45		AVRG
Styrene	0.8670000	0.9126700	0.9126700	0.01	5.27		AVRG
Bromoform	0.2950000	0.3289600	0.3289600	0.1	11.51		AVRG
Isopropylbenzene	2.5790000	2.8382000	2.8382000	0.01	10.05		AVRG
1,1,2,2-Tetrachloroethane	0.6330000	0.7889300	0.7889300	0.3	24.63		AVRG
1,3-Dichlorobenzene	1.3580000	1.4357000	1.4357000	0.01	5.72		AVRG
1,4-Dichlorobenzene	1.4100000	1.5368000	1.5368000	0.01	8.99		AVRG
1,2-Dichlorobenzene	1.2940000	1.4070000	1.4070000	0.01	8.73		AVRG
1,2-Dibromo-3-Chloropropane	0.1730000	0.2050900	0.2050900	0.01	18.55		AVRG
1,2,4-Trichlorobenzene	0.8740000	0.9704100	0.9704100	0.01	11.03		AVRG
Methyl Acetate	160.84000	50.000000	0.5932300	0.01	221.68		2RDR
Methylcyclohexane	0.4760000	0.5454200	0.5454200	0.01	14.58		AVRG
Dibromofluoromethane	0.4840000	0.5497700	0.5497700	0.01	13.59		AVRG
1,2-Dichloroethane-D4	0.7760000	0.8740900	0.8740900	0.01	12.64		AVRG
Toluene-D8	0.9910000	1.0586000	1.0586000	0.01	6.82		AVRG
P-Bromofluorobenzene	0.5020000	0.5458400	0.5458400	0.01	8.73		AVRG

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2446-2
Client ID: WG2446-Blank
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.1
74-83-9	Bromomethane	U	2	1.0	2	2	0.9
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	J	0.3	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	J	0.4	1.0	1	1	0.3
75-15-0	Carbon Disulfide	J	0.4	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.5
75-09-2	Methylene Chloride		1	1.0	1	1	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.7
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.3
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.5
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	1
67-66-3	Chloroform	U	1	1.0	1	1	0.2
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	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	1	1.0	1	1	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.6
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.2
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	0.4
108-88-3	Toluene	J	0.3	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
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
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.3
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	J	0.3	1.0	1	1	0.2
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.1
1330-20-7	Xylenes (total)	J	1	1.0	3	3	0.3
	m+p-Xylenes	J	0.8	1.0	2	2	0.2
95-47-6	o-Xylene	J	0.3	1.0	1	1	0.2
100-42-5	Styrene	J	0.5	1.0	1	1	0.3
75-25-2	Bromoform	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	J	0.6	1.0	1	1	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2446-2
Client ID: WG2446-Blank
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	J	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	J	0.8	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	J	0.8	1.0	1	1	0.2
95-50-1	1,2-Dichlorobenzene	J	0.7	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane		2	1.0	1	1	0.6
120-82-1	1,2,4-Trichlorobenzene		2	1.0	1	1	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		111%				
17060-07-0	1,2-Dichloroethane-D4		112%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		97%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER

Lab ID: WG2446-1
Client ID: WG2446-LCS
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	27	53	4-217
Chloromethane	50	NA	34	68	40-163
Vinyl chloride	50	NA	44	88	55-151
Bromomethane	50	NA	34	69	24-217
Chloroethane	50	NA	43	85	69-134
Trichlorofluoromethane	50	NA	49	98	71-147
1,1-Dichloroethene	50	NA	51	102	78-136
Carbon Disulfide	50	NA	50	100	70-136
Freon-113	50	NA	53	106	60-140
Methylene Chloride	50	NA	48	96	52-115
Acetone	50	NA	50	100	0-158
trans-1,2-Dichloroethene	50	NA	53	107	84-131
Methyl tert-butyl ether	50	NA	22	* 44	62-130
1,1-Dichloroethane	50	NA	53	106	81-134
cis-1,2-Dichloroethene	50	NA	56	112	84-123
1,2-Dichloroethylene (total)	100	NA	109	109	84-131
Chloroform	50	NA	53	106	80-130
Carbon Tetrachloride	50	NA	50	100	74-137
1,1,1-Trichloroethane	50	NA	53	106	76-138
2-Butanone	50	NA	53	105	49-154
Benzene	50	NA	47	94	88-120
Cyclohexane	50	NA	51	102	60-140
1,2-Dichloroethane	50	NA	49	98	78-138
Trichloroethene	50	NA	51	103	80-125
1,2-Dichloropropane	50	NA	48	95	80-122
Bromodichloromethane	50	NA	50	101	83-133
cis-1,3-dichloropropene	50	NA	51	102	81-138
Toluene	50	NA	49	98	88-121
4-methyl-2-pentanone	50	NA	45	89	72-140
Tetrachloroethene	50	NA	49	98	77-129
trans-1,3-Dichloropropene	50	NA	49	99	81-149
1,1,2-Trichloroethane	50	NA	50	99	82-126
Dibromochloromethane	50	NA	51	102	80-133
1,2-Dibromoethane	50	NA	51	102	88-127
2-Hexanone	50	NA	50	99	45-146
Chlorobenzene	50	NA	51	102	84-123
Ethylbenzene	50	NA	51	101	84-131
Xylenes (total)	150	NA	155	103	88-123
m+p-Xylenes	100	NA	104	104	88-122
o-Xylene	50	NA	52	103	90-123
Styrene	50	NA	51	103	87-131
Bromoform	50	NA	52	103	77-138
Isopropylbenzene	50	NA	53	106	88-125
1,1,2,2-Tetrachloroethane	50	NA	55	110	81-131
1,3-Dichlorobenzene	50	NA	52	105	86-124

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No: MSA-0402-N4113-05 N9061-WR340(SS)
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/29/03
Report Date: 06/19/2003
Matrix: WATER

Lab ID: WG2446-1
Client ID: WG2446-LCS
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2446
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,4-Dichlorobenzene	50	NA	53	105	80-127
1,2-Dichlorobenzene	50	NA	53	105	86-126
1,2-Dibromo-3-Chloropropane	50	NA	46	93	61-136
1,2,4-Trichlorobenzene	50	NA	50	101	53-157
Methyl Acetate	50	NA	49	99	60-140
Methylcyclohexane	50	NA	53	106	60-140

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): F0392 Date Analyzed: 05/29/03

Instrument ID: GCMS-F Time Analyzed: 1004

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		205434	9.77	299642	10.35	263841	13.11
UPPER LIMIT		410868	10.27	599284	10.85	527682	13.61
LOWER LIMIT		102717	9.27	149821	9.85	131921	12.61
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2446-LCS	WG2446-1	212194	9.76	305133	10.35	267069	13.11
02 WG2446-BLANK	WG2446-2	202476	9.77	293635	10.36	252948	13.12
03 13GLM11S02	WT1148-11	198958	9.77	281089	10.36	250866	13.12
04 13GLM11I02	WT1148-13	191770	9.77	273664	10.36	248113	13.12
05 13TB051603	WT1160-24	193792	9.77	275427	10.35	251404	13.12
06 13GLM08S02	WT1160-1	191083	9.77	277864	10.35	245973	13.12
07 13GLM08I02	WT1160-3	188322	9.77	275463	10.35	243030	13.11
08 13GLM15S02	WT1160-5	185455	9.77	265040	10.36	236388	13.12
09 13GLM15I02	WT1160-7	184576	9.77	267537	10.35	235717	13.11
10 13GLM14I02	WT1160-9	181981	9.77	256536	10.36	234960	13.12
11 13GLM04S02	WT1160-12	180826	9.78	268546	10.36	239106	13.12
12 13GLM04I02	WT1160-14	189658	9.77	275794	10.35	240985	13.11
13 13GLM06S02	WT1160-17	188533	9.77	275243	10.36	241832	13.11
14 13GLM06I02	WT1160-18	193263	9.76	277865	10.35	246258	13.11
15 13GLM06I02D	WT1160-20	188274	9.77	273694	10.35	241945	13.11
16 13RL051603	WT1160-22	189081	9.77	275422	10.36	244116	13.12
17 13GLM12I02	WT1160-25	186087	9.77	276361	10.35	240089	13.12
18 13GLM12I02D	WT1160-27	188083	9.78	277294	10.36	246636	13.12
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): F0392 Date Analyzed: 05/29/03

Instrument ID: GCMS-F Time Analyzed: 1004

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		146254	14.58				
UPPER LIMIT		292508	15.08				
LOWER LIMIT		73127	14.08				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2446-LCS	WG2446-1	149748	14.58				
02 WG2446-BLANK	WG2446-2	135035	14.58				
03 13GLM11S02	WT1148-11	129966	14.58				
04 13GLM11I02	WT1148-13	131725	14.58				
05 13TB051603	WT1160-24	126235	14.59				
06 13GLM08S02	WT1160-1	127738	14.59				
07 13GLM08I02	WT1160-3	128136	14.59				
08 13GLM15S02	WT1160-5	125226	14.58				
09 13GLM15I02	WT1160-7	121669	14.59				
10 13GLM14I02	WT1160-9	118351	14.58				
11 13GLM04S02	WT1160-12	122831	14.58				
12 13GLM04I02	WT1160-14	125884	14.59				
13 13GLM06S02	WT1160-17	125951	14.59				
14 13GLM06I02	WT1160-18	126524	14.59				
15 13GLM06I02D	WT1160-20	126215	14.59				
16 13RL051603	WT1160-22	127843	14.58				
17 13GLM12I02	WT1160-25	125325	14.59				
18 13GLM12I02D	WT1160-27	128743	14.58				
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

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE ____ OF ____

CLIENT Panama City CTO-287		JOB NUMBER Job-9061 SDG-2873	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 25-July-03

Sample 13GLM105020 Toluene = 150 ug/L

$$\text{Toluene} = \frac{(1015169)(50\ \text{ug/L})}{(406768)(0.8187)} = 152.4\ \text{ug/L}$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech Nus, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-7
Client ID: 13GLM10S02D
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	2	1.0	5	5	0.9
75-00-3	Chloroethane	J	2	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	J	3	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene		12	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.3	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone		17	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		100	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane		130	1.0	5	5	0.7
78-93-3	2-Butanone		6	1.0	5	5	2
71-43-2	Benzene	J	1	1.0	5	5	0.1
1735-17-7	Cyclohexane	J	2	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene		6	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene		150	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	J	2	1.0	5	5	2
127-18-4	Tetrachloroethene	J	0.6	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene		52	1.0	5	5	0.1
1330-20-7	Xylenes (total)		230	1.0	5	5	0.3
	m+p-Xylenes		160	1.0	5	5	0.2
95-47-6	o-Xylene		66	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	J	2	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech Nus, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/28/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-7
Client ID: 13GLM10S02D
SDG: CTO287-3
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2417
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	J	0.4	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	J	3	1.0	5	5	2
1868-53-7	Dibromofluoromethane		120%				
17060-07-0	1,2-Dichloroethane-D4		135%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		116%				

Data File: \\Target_server\GG\chem\gcms-f.i\F052703B.b\F0374.D
Report Date: 27-Jun-2003 08:14

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F052703B.b\F0374.D
Lab Smp Id: WT1148-7 Client Smp ID: 13GLM10S02D
Inj Date : 28-MAY-2003 02:05 MS Autotune Date: 22-MAY-2003 16:13
Operator : JSS Inst ID: gcms-f.i
Smp Info : WT1148-7
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F052703B.b\8260olms.m
Meth Date : 27-Jun-2003 07:47 jprescott Quant Type: ISTD
Cal Date : 23-MAY-2003 14:59 Cal File: F0309.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260OLM.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/kg)	FINAL (ug/l)
	4 Bromomethane	94	3.220	3.236	(0.330)	1986	1.98676	2.0(a)
	5 Chloroethane	64	3.405	3.421	(0.349)	3429	2.28016	2.3(a)
	6 Trichlorofluoromethane	101	3.614	3.642	(0.371)	10322	2.89399	2.9(a)
	9 1,1-Dichloroethene	96	4.392	4.442	(0.450)	24886	11.8022	11.8
	15 Acetone	58	5.494	5.579	(0.563)	9126	17.1842	17.2
	10 Carbon Disulfide	76	4.438	4.477	(0.455)	2142	0.25577	0.26(a)
	26 1,1-Dichloroethane	63	7.038	7.157	(0.722)	477852	104.271	104
	41 2-Butanone	72	9.277	9.361	(0.951)	1862	5.58132	5.6
	39 1,1,1-Trichloroethane	97	9.092	9.187	(0.932)	533759	127.384	127
	44 Cyclohexane	56	8.651	8.746	(0.887)	8136	2.15713	2.2(a)
	42 Benzene	78	9.614	9.686	(0.929)	14056	1.25253	1.2(a)
	50 Trichloroethene	95	10.298	10.370	(0.996)	15716	5.84196	5.8(H)
	151 Methylcyclohexane	83	10.287	10.359	(1.055)	10924	2.96693	3.0(aH)
	61 4-methyl-2-pentanone	43	12.213	12.261	(1.181)	6826	2.33875	2.3(a)
	60 Toluene	92	11.865	11.925	(1.147)	1015169	152.415	152
	62 Tetrachloroethene	164	12.236	12.285	(0.934)	1228	0.57104	0.57(a)
	71 Ethylbenzene	91	13.130	13.166	(1.002)	665320	51.9765	52.0
	74 m+p-Xylenes	106	13.235	13.271	(1.010)	790178	161.505	162
	75 o-Xylene	106	13.525	13.561	(1.032)	312771	65.5497	65.5
M	73 Xylenes (total)	106				1102949	227.055	227
	78 Isopropylbenzene	105	13.722	13.758	(0.941)	21845	1.74810	1.7(a)
	99 1,2-Dichlorobenzene	146	14.848	14.883	(1.018)	2848	0.45149	0.45(a)
*	43 Pentafluorobenzene	168	9.753	9.837	(1.000)	242432	50.0000	
*	51 1,4-Difluorobenzene	114	10.345	10.405	(1.000)	406768	50.0000	

Data File: \\Target_server\GG\chem\gcms-f.i\F052703B.b\F0374.D
Report Date: 27-Jun-2003 08:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/l)
* 69 Chlorobenzene-D5	117	13.107	13.105	(1.000)	366977	50.0000	
* 95 1,4-Dichlorobenzene-D4	152	14.581	14.605	(1.000)	221149	50.0000	
$ 38 Dibromofluoromethane	113	9.080	9.164	(0.931)	152901	60.1729	60.2
$ 46 1,2-Dichloroethane-D4	65	9.776	9.860	(1.002)	257556	67.4221	67.4
$ 58 Toluene-D8	98	11.819	11.879	(1.142)	404688	48.5742	48.6
$ 79 P-Bromofluorobenzene	95	13.908	13.944	(1.344)	223298	57.9199	57.9

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-F Calibration Date(s): 05/23/03 05/23/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1216 1459

LAB FILE ID: RF5: F0307 RF10: F0306 RF20: F0304
RF50: F0305 RF100: F0309 RF200: F0308

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Dichlorodifluoromethane	0.354	0.347	0.334	0.350	0.309	0.329	AVRG		0.33730		5.012	15.000	
Chloromethane	0.464	0.448	0.484	0.461	0.427	0.436	AVRG		0.45337		4.558	15.000	
Vinyl chloride	0.566	0.471	0.508	0.507	0.475	0.469	AVRG		0.49949		7.449	15.000	
Bromomethane	0.185	0.209	0.209	0.208	0.216	0.210	AVRG		0.20616		5.154	15.000	
Chloroethane	0.329	0.304	0.337	0.304	0.292	0.295	AVRG		0.31016		6.022	15.000	
Trichlorofluoromethane	0.748	0.721	0.764	0.745	0.705	0.730	AVRG		0.73561		2.886	15.000	
1,1-Dichloroethene	0.448	0.405	0.457	0.454	0.419	0.424	AVRG		0.43488		4.927	15.000	
Carbon Disulfide	1.769	1.672	1.767	1.786	1.670	1.699	AVRG		1.72723		3.053	15.000	
Freon-113	0.397	0.393	0.389	0.379	0.361	0.366	AVRG		0.38106		3.900	15.000	
Methylene Chloride	0.632	0.573	0.546	0.559	0.532	0.532	AVRG		0.56212		6.681	15.000	
Acetone	5541	7384	20311	36436	69628	152970	2ORDR	-0.1572	13.6343	-8.7452	0.99466	0.99000	
trans-1,2-Dichloroethene	0.460	0.465	0.470	0.498	0.467	0.484	AVRG		0.47410		2.968	15.000	
Methyl tert-butyl ether	1.369	0.999	1.801	0.700	0.692	0.490	AVRG		1.00876		49.011	15.000	<-
1,1-Dichloroethane	0.919	0.914	1.014	0.948	0.909	0.966	AVRG		0.94517		4.270	15.000	
cis-1,2-Dichloroethene	0.465	0.497	0.502	0.521	0.495	0.497	AVRG		0.49629		3.650	15.000	
1,2-Dichloroethylene (total)	0.926	0.962	0.973	1.019	0.962	0.980	AVRG		0.97039		3.141	15.000	
Chloroform	1.081	1.028	1.056	1.066	0.987	1.039	AVRG		1.04305		3.182	15.000	
Carbon Tetrachloride	0.491	0.472	0.496	0.483	0.468	0.474	AVRG		0.48058		2.290	15.000	
1,1,1-Trichloroethane	0.847	0.880	0.874	0.892	0.825	0.868	AVRG		0.86419		2.824	15.000	
2-Butanone	3034	7213	18353	34359	70239	145890	LINR	3e-002	10.1888		0.99209	0.99000	
Benzene	1.347	1.372	1.419	1.428	1.361	1.349	AVRG		1.37943		2.563	15.000	
Cyclohexane	0.786	0.828	0.758	0.790	0.749	0.756	AVRG		0.77788		3.848	15.000	
1,2-Dichloroethane	0.630	0.570	0.627	0.599	0.576	0.619	AVRG		0.60346		4.330	15.000	
Trichloroethene	0.325	0.315	0.327	0.354	0.338	0.325	AVRG		0.33068		4.032	15.000	
1,2-Dichloropropane	0.345	0.320	0.332	0.335	0.335	0.326	AVRG		0.33211		2.620	15.000	
Bromodichloromethane	0.512	0.521	0.523	0.530	0.523	0.526	AVRG		0.52258		1.137	15.000	
cis-1,3-dichloropropene	0.558	0.572	0.626	0.571	0.585	0.601	AVRG		0.58539		4.195	15.000	
Toluene	0.805	0.803	0.845	0.845	0.815	0.799	AVRG		0.81872		2.580	15.000	
4-methyl-2-pentanone	0.351	0.335	0.449	0.327	0.321	0.370	AVRG		0.35876		13.246	15.000	
Tetrachloroethene	0.276	0.287	0.310	0.299	0.304	0.281	AVRG		0.29300		4.635	15.000	
trans-1,3-Dichloropropene	0.558	0.572	0.626	0.571	0.585	0.601	AVRG		0.58539		4.195	15.000	
1,1,2-Trichloroethane	0.429	0.378	0.456	0.352	0.370	0.409	AVRG		0.39905		9.793	15.000	
Dibromochloromethane	0.424	0.407	0.476	0.441	0.438	0.452	AVRG		0.43965		5.313	15.000	
1,2-Dibromoethane	0.305	0.316	0.339	0.296	0.301	0.316	AVRG		0.31204		4.881	15.000	
2-Hexanone	18915	45291	110460	203120	403350	876530	LINR	2e-002	2.27136		0.99318	0.99000	
Chlorobenzene	0.973	0.968	1.033	1.001	0.975	0.938	AVRG		0.98150		3.271	15.000	
Ethylbenzene	1.687	1.696	1.797	1.757	1.775	1.753	AVRG		1.74403		2.492	15.000	
Xylenes (total)							AVRG					0.000	
m+p-Xylenes	0.662	0.638	0.685	0.696	0.672	0.645	AVRG		0.66661		3.372	15.000	
o-Xylene	0.644	0.632	0.673	0.655	0.655	0.642	AVRG		0.65011		2.195	15.000	
Styrene	0.924	0.913	0.977	0.996	1.027	1.009	AVRG		0.97429		4.751	15.000	
Bromoform	0.257	0.256	0.322	0.258	0.272	0.287	AVRG		0.27533		9.360	15.000	
Isopropylbenzene	2.956	2.820	2.738	2.950	2.772	2.716	AVRG		2.82534		3.716	15.000	
1,1,2,2-Tetrachloroethane	0.938	0.804	0.928	0.763	0.759	0.823	AVRG		0.83581		9.456	15.000	

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: KD056 DFTPP Injection Date: 05/09/03

Instrument ID: GCMS-K DFTPP Injection Time: 1135

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	59.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.4
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	7.2
275	10.0 - 30.0% of mass 198	21.5
365	1.0 - 100.0% of mass 198	1.5
441	0.0 - 100.0% of mass 443	11.0 (70.9)2
442	40.0 - 100.0% of mass 198	78.0
443	17.0 - 23.0% of mass 442	15.5 (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		SSTD010K0509	K4150	05/09/03	1252
02		SSTD020K0509	K4151	05/09/03	1344
03		SSTD080K0509	K4152	05/09/03	1436
04		SSTD050K0509	K4155	05/09/03	1711
05		SSTD160K0509	K4156	05/09/03	1803
06		SSTD120K0509	K4157	05/09/03	1858
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FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,4-Dioxane							AVRG					0.000 <-
Pyridine	1.779	2.073	1.770	1.909	1.703	1.754	AVRG		1.83127		7.456	15.000
N-Nitrosodimethylamine	0.832	0.832	0.868	0.886	0.830	0.909	AVRG		0.85933		3.902	15.000
Aniline	1.674	1.744	1.621	1.696	1.533	1.682	AVRG		1.65829		4.402	15.000
Phenol	1.493	1.546	1.464	1.508	1.338	1.438	AVRG		1.46462		4.927	15.000
Bis(2-Chloroethyl)ether	1.307	1.289	1.188	1.198	1.078	1.121	AVRG		1.19676		7.529	15.000
2-Chlorophenol	1.282	1.278	1.236	1.235	1.093	1.172	AVRG		1.21615		5.948	15.000
1,3-Dichlorobenzene	1.413	1.394	1.295	1.345	1.185	1.308	AVRG		1.32329		6.210	15.000
1,4-Dichlorobenzene	1.470	1.435	1.303	1.343	1.191	1.322	AVRG		1.34406		7.415	15.000
1,2-Dichlorobenzene	1.321	1.327	1.194	1.215	1.048	1.126	AVRG		1.20495		9.059	15.000
Benzyl alcohol	0.669	0.714	0.673	0.672	0.556	0.600	AVRG		0.64735		8.934	15.000
2,2'-Oxybis(1-Chloropropane)	2.445	2.507	2.232	2.357	1.993	2.209	AVRG		2.29031		8.139	15.000
2-Methylphenol	1.008	1.051	0.941	0.964	0.845	0.917	AVRG		0.95419		7.554	15.000
Hexachloroethane	0.604	0.601	0.577	0.575	0.471	0.502	AVRG		0.55503		9.943	15.000
N-Nitroso-di-n-propylamine	0.853	0.871	0.792	0.800	0.695	0.714	AVRG		0.78750		9.028	15.000
4-Methylphenol	1.093	1.076	0.959	0.980	0.852	0.883	AVRG		0.97384		10.076	15.000
Nitrobenzene	0.349	0.343	0.374	0.367	0.371	0.398	AVRG		0.36693		5.357	15.000
Isophorone	0.690	0.694	0.676	0.689	0.658	0.708	AVRG		0.68578		2.460	15.000
2-Nitrophenol	15874	36308	103530	203240	256370	382820	LINR	0.16930	4.99521		0.99750	0.99000
2,4-Dimethylphenol	0.361	0.354	0.358	0.352	0.346	0.365	AVRG		0.35620		1.899	15.000
Bis(2-Chloroethoxy)methane	0.462	0.454	0.435	0.441	0.412	0.447	AVRG		0.44181		3.868	15.000
2,4-Dichlorophenol	0.285	0.288	0.291	0.286	0.281	0.287	AVRG		0.28641		1.226	15.000
1,2,4-Trichlorobenzene	0.350	0.326	0.319	0.309	0.312	0.314	AVRG		0.32167		4.721	15.000
Naphthalene	0.978	0.923	0.913	0.892	0.834	0.886	AVRG		0.90448		5.271	15.000
Benzoic acid	11306	30533	91037	182880	228700	340860	LINR	0.18857	5.56664		0.99812	0.99000
4-Chloroaniline	0.377	0.392	0.388	0.385	0.358	0.390	AVRG		0.38182		3.323	15.000
Hexachlorobutadiene	0.190	0.188	0.186	0.175	0.171	0.173	AVRG		0.18054		4.576	15.000
4-Chloro-3-Methylphenol	0.270	0.280	0.293	0.287	0.281	0.307	AVRG		0.28652		4.370	15.000
2-Methylnaphthalene	0.597	0.570	0.540	0.521	0.497	0.539	AVRG		0.54388		6.493	15.000
1-Methylnaphthalene	0.602	0.567	0.488	0.526	0.459	0.491	AVRG		0.52246		10.317	15.000
Hexachlorocyclopentadiene	0.327	0.341	0.385	0.390	0.387	0.430	AVRG		0.37647		9.894	15.000
2,4,6-Trichlorophenol	0.397	0.382	0.415	0.395	0.397	0.424	AVRG		0.40172		3.804	15.000
2,4,5-Trichlorophenol	0.422	0.404	0.448	0.430	0.435	0.464	AVRG		0.43407		4.734	15.000
2-Chloronaphthalene	1.241	1.218	1.153	1.083	1.041	1.132	AVRG		1.14472		6.711	15.000
Diethyl Adipate	0.450	0.418	0.393	0.401	0.358	0.396	AVRG		0.40266		7.514	15.000
2-Nitroaniline	18333	41753	111490	207350	243460	419280	2ORDR	-3e-002	3.00836	-0.4846	0.99604	0.99000
Acenaphthylene	1.874	1.814	1.832	1.722	1.637	1.823	AVRG		1.78364		4.907	15.000
Dimethyl Phthalate	1.377	1.308	1.312	1.251	1.175	1.297	AVRG		1.28669		5.281	15.000
2,6-Dinitrotoluene	10516	25151	73977	134540	168940	263730	LINR	0.21044	3.17162		0.99091	0.99000
Acenaphthene	1.222	1.162	1.108	1.051	1.000	1.134	AVRG		1.11283		7.110	15.000
3-Nitroaniline	11522	26868	77687	141570	174870	287630	2ORDR	2e-002	4.12780	-0.8705	0.99741	0.99000
2,4-Dinitrophenol	2119	5237	23562	48128	67336	116880	2ORDR	0.19995	10.9924	-7.4522	0.99903	0.99000
Dibenzofuran	1.566	1.498	1.485	1.402	1.334	1.494	AVRG		1.46329		5.616	15.000
4-Nitrophenol	5294	13416	45657	79400	100840	175050	2ORDR	6e-002	7.19096	-2.8974	0.99524	0.99000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
2,4-Dinitrotoluene	13312	32487	92385	175890	217050	353260	2ORDR	4e-002	3.30651	-0.5535	0.99850	0.99000	
Fluorene	1.111	1.063	1.078	1.022	0.986	1.094	AVRG		1.05906		4.425	15.000	
Diethylphthalate	1.345	1.305	1.248	1.212	1.132	1.315	AVRG		1.25952		6.240	15.000	
4-Chlorophenyl-phenylether	0.602	0.553	0.529	0.512	0.509	0.536	AVRG		0.54021		6.319	15.000	
4-Nitroaniline	6836	17613	62754	109900	140540	232520	2ORDR	9e-002	5.01262	-1.3018	0.99602	0.99000	
4,6-Dinitro-2-Methylphenol	3557	9826	35082	70792	89582	155960	2ORDR	0.15696	10.1397	-5.5093	0.99969	0.99000	
N-Nitrosodiphenylamine	0.580	0.564	0.548	0.545	0.537	0.578	AVRG		0.55846		3.226	15.000	
1,2-Diphenylhydrazine	1.109	1.126	1.110	1.082	1.033	1.245	AVRG		1.11741		6.314	15.000	
4-Bromophenyl-phenylether	0.232	0.249	0.226	0.237	0.221	0.233	AVRG		0.23284		4.048	15.000	
Hexachlorobenzene	0.304	0.309	0.280	0.289	0.282	0.293	AVRG		0.29288		4.031	15.000	
Pentachlorophenol	7288	18983	57971	110100	129440	216200	LINR	0.21583	5.29664		0.99365	0.99000	
Phenanthrene	1.128	1.108	1.028	0.998	0.970	1.052	AVRG		1.04734		5.883	15.000	
Anthracene	1.041	1.022	0.997	0.983	0.950	1.033	AVRG		1.00449		3.429	15.000	
Carbazole	0.884	0.846	0.826	0.774	0.723	0.820	AVRG		0.81239		6.962	15.000	
Di-n-butylphthalate	1.194	1.217	1.187	1.250	1.149	1.287	AVRG		1.21394		4.044	15.000	
Fluoranthene	0.937	0.879	0.894	0.877	0.842	0.912	AVRG		0.89016		3.672	15.000	
Benzidine	0.028	0.019	0.056	0.066	0.076	0.081	AVRG		5e-002		47.169	15.000	<-
Pyrene	1.557	1.545	1.435	1.389	1.381	1.396	AVRG		1.45053		5.529	15.000	
Butylbenzylphthalate	0.665	0.654	0.694	0.660	0.684	0.718	AVRG		0.67920		3.609	15.000	
Bis(2-Ethylhexyl)Adipate	0.500	0.549	0.566	0.550	0.555	0.605	AVRG		0.55448		6.094	15.000	
Benzo(a)anthracene	1.030	1.005	1.046	1.000	0.973	1.080	AVRG		1.02230		3.702	15.000	
Chrysene	1.085	1.012	1.024	0.956	0.950	0.989	AVRG		1.00268		4.984	15.000	
3,3'-Dichlorobenzidine	0.286	0.266	0.298	0.278	0.276	0.302	AVRG		0.28457		4.803	15.000	
bis(2-Ethylhexyl)phthalate	0.870	0.878	0.900	0.907	0.918	0.959	AVRG		0.90540		3.502	15.000	
Di-n-octylphthalate	1.923	2.235	2.174	2.088	2.158	2.408	AVRG		2.16446		7.403	15.000	
Benzo(b)fluoranthene	1.558	1.537	1.415	1.408	1.502	1.583	AVRG		1.50053		4.939	15.000	
Benzo(k)fluoranthene	1.690	1.638	1.651	1.541	1.550	1.551	AVRG		1.60351		3.996	15.000	
Benzo(a)pyrene	1.327	1.305	1.298	1.238	1.293	1.386	AVRG		1.30779		3.704	15.000	
Indeno(1,2,3-cd)pyrene	1.015	1.122	1.179	1.110	1.247	1.382	AVRG		1.17603		10.806	15.000	
Dibenzo(a,h)anthracene	1.060	1.092	1.198	1.114	1.263	1.337	AVRG		1.17742		9.157	15.000	
Benzo(g,h,i)perylene	1.123	1.167	1.245	1.157	1.301	1.388	AVRG		1.23025		8.198	15.000	
Benzaldehyde	0.142	0.169	0.229	0.284	0.265	0.166	AVRG		0.20905		27.926	15.000	<-
Acetophenone	1.719	1.689	1.585	1.653	1.445	1.563	AVRG		1.60905		6.220	15.000	
Caprolactam	0.086	0.098	0.106	0.103	0.098	0.112	AVRG		0.10032		8.686	15.000	
1,1'-Biphenyl	1.560	1.510	1.468	1.363	1.330	1.438	AVRG		1.44500		6.034	15.000	
Atrazine	0.208	0.214	0.203	0.202	0.195	0.210	AVRG		0.20525		3.282	15.000	
2-Fluorophenol	1.189	1.199	1.198	1.214	1.127	1.212	AVRG		1.18972		2.706	15.000	
Phenol-D6	1.504	1.455	1.423	1.429	1.297	1.367	AVRG		1.41253		5.103	15.000	
Nitrobenzene-D5	0.300	0.316	0.354	0.338	0.358	0.393	AVRG		0.34309		9.637	15.000	
2-Fluorobiphenyl	1.305	1.246	1.218	1.166	1.132	1.228	AVRG		1.21599		4.979	15.000	
2,4,6-Tribromophenol	0.168	0.169	0.192	0.188	0.191	0.213	AVRG		0.18673		8.974	15.000	
Terphenyl-D14	0.986	0.917	0.892	0.872	0.858	0.874	AVRG		0.89992		5.187	15.000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

Average %RSD test result.

Calculate Average %RSD: 6.687792778
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG2354-BLANK	WG2354-1	47	49	68	59	65	83			0
02	WG2354-LCS	WG2354-2	33	44	71	78	63	82			0
03	WG2367-BLANK	WG2367-1	55	37	90	93	101	96			0
04	WG2367-LCS	WG2367-4	53	36	86	80	96	80			0
05	WG2367-LCSD	WG2367-5	45	28	76	78	98	77			0
06	WG2354-LCSD	WG2354-3	60	62	71	70	87	68			0
07	03GLM0502	WT1148-1	69	68	76	85	77	99			0
08	13GLM03D02	WT1148-3	58	61	76	74	118	95			0
09	13GLM10S02	WT1148-5	70	71	95	92	101	74			0
10	13GLM10S02D	WT1148-7	65	68	96	98	113	74			0
11	WG2353-BLANK	WG2353-1	0*	3*	80	79	0*	91			3
12	WG2353-LCS	WG2353-2	37	25	74	74	102	75			0
13	WG2353-LCSD	WG2353-3	46	31	78	77	95	104			0
14	13GLM11I02	WT1148-13	50	33	77	76	103	76			0
15	03GLM0502	WT1148-1RA	73	76	74	80	96	76			0
16	13GLM10I02	WT1148-9	48	28	72	74	94	78			0
17	13GLM11S02	WT1148-11	59	36	83	75	103	87			0
18	13GLM08S02	WT1160-1	54	34	81	85	111	91			0
19	13GLM08I02	WT1160-3	49	32	73	62	93	81			0
20	13GLM15S02	WT1160-5	57	34	80	74	102	84			0
21	13GLM15I02	WT1160-7	55	32	80	77	105	81			0
22	13GLM14I02	WT1160-9	42	25	78	73	64	77			0
23	13GLM04S02	WT1160-12	46	28	67	71	88	88			0
24	13GLM04I02	WT1160-14	50	31	84	82	72	77			0
25	13GLM06S02	WT1160-16	61	42	97	91	94	87			0
26	13GLM06I02	WT1160-18	56	36	90	82	104	87			0
27	13GLM06I02D	WT1160-20	55	34	92	76	92	70			0
28	13RL051603	WT1160-22	60	36	87	78	96	84			0

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(20- 95)
S2 (PHL)	= Phenol-D6	(10-115)
S3 (NBZ)	= Nitrobenzene-D5	(36-117)
S4 (FBP)	= 2-Fluorobiphenyl	(47-114)
S5 (TBP)	= 2,4,6-Tribromophenol	(20-137)
S6 (TPH)	= Terphenyl-D14	(35-126)

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

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	13GLM12I02	WT1160-25	50	30	82	78	98	84			0
02	13GLM12I02D	WT1160-27	48	31	94	76	95	55			0
03	WG2641-BLANK	WG2641-1	74	80	79	68	85	87			0
04	WG2641-LCS	WG2641-2	32	37	65	69	58	84			0
05	WG2641-LCSD	WG2641-3	56	62	67	66	108	66			0
06	13GLM11I02	WT1148-13RE	18*	42	56	63	20	74			1
07											
08											
09											
10											
11											
12											
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		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(20- 95)
S2 (PHL)	= Phenol-D6	(10-115)
S3 (NBZ)	= Nitrobenzene-D5	(36-117)
S4 (FBP)	= 2-Fluorobiphenyl	(47-114)
S5 (TBP)	= 2,4,6-Tribromophenol	(20-137)
S6 (TPH)	= Terphenyl-D14	(35-126)

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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: KD084 DFTPP Injection Date: 06/09/03

Instrument ID: GCMS-K DFTPP Injection Time: 1742

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	45.6	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Less than 100.0% of mass 198	56.6	
70	Less than 2.0% of mass 69	0.0	(0.0)1
127	40.0 - 60.0% of mass 198	44.3	
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	22.0	
365	1.0 - 100.0% of mass 198	1.9	
441	0.0 - 100.0% of mass 443	12.1	(90.4)2
442	40.0 - 100.0% of mass 198	73.0	
443	17.0 - 23.0% of mass 442	13.4	(18.4)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		SSTD050K0609	K4508	06/09/03	1807
02	03GLM0502	WT1148-1	K4516	06/10/03	0048
03	13GLM03D02	WT1148-3	K4517	06/10/03	0139
04	13GLM10S02	WT1148-5	K4518	06/10/03	0230
05	13GLM10S02D	WT1148-7	K4519	06/10/03	0320
06					
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date: 06/09/03 Time: 1807

Lab File ID: K4508 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.2948000	1.2948000	0.01	-11.56	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.0125000	1.0125000	0.01	-15.41		AVRG
2-Chlorophenol	1.2160000	1.0523000	1.0523000	0.01	-13.46		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.0052000	2.0052000	0.01	-12.44		AVRG
2-Methylphenol	0.9540000	0.8282000	0.8282000	0.01	-13.19		AVRG
Hexachloroethane	0.5550000	0.5021700	0.5021700	0.01	-9.52		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.6455800	0.6455800	0.05	-18.07		AVRG
4-Methylphenol	0.9740000	0.8777600	0.8777600	0.01	-9.88		AVRG
Nitrobenzene	0.3670000	0.3236800	0.3236800	0.01	-11.80		AVRG
Isophorone	0.6860000	0.5989500	0.5989500	0.01	-12.69		AVRG
2-Nitrophenol	50.844000	50.000000	0.1764600	0.01	1.69		LINR
2,4-Dimethylphenol	0.3560000	0.2968900	0.2968900	0.01	-16.60		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.3765100	0.3765100	0.01	-14.82		AVRG
2,4-Dichlorophenol	0.2860000	0.2559400	0.2559400	0.01	-10.51	20.00	AVRG
4-Chloroaniline	0.3820000	0.3324800	0.3324800	0.01	-12.96		AVRG
Hexachlorobutadiene	0.1800000	0.1683600	0.1683600	0.01	-6.47	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2379100	0.2379100	0.01	-16.82	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3407200	0.3407200	0.05	-9.62		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3293500	0.3293500	0.01	-18.07	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.3429200	0.3429200	0.01	-20.99		AVRG
2-Chloronaphthalene	1.1450000	0.9057300	0.9057300	0.01	-20.90		AVRG
2-Nitroaniline	42.878000	50.000000	0.3118000	0.01	-14.24		2RDR
Dimethyl Phthalate	1.2870000	1.0479000	1.0479000	0.01	-18.58		AVRG
2,6-Dinitrotoluene	48.821000	50.000000	0.2547800	0.01	-2.36		LINR
3-Nitroaniline	51.076000	50.000000	0.2610700	0.01	2.15		2RDR
2,4-Dinitrophenol	78.812000	50.000000	0.1472000	0.05	57.62		2RDR
Dibenzofuran	1.4630000	1.1510000	1.1510000	0.01	-21.33		AVRG
4-Nitrophenol	36.617000	50.000000	0.1001400	0.05	-26.77		2RDR
2,4-Dinitrotoluene	51.729000	50.000000	0.3244400	0.01	3.46		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date: 06/09/03 Time: 1807

Lab File ID: K4508 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.0164000	1.0164000	0.01	-19.33		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.4382800	0.4382800	0.01	-18.84		AVRG
4-Nitroaniline	52.423000	50.000000	0.2091100	0.01	4.85		2RDR
4,6-Dinitro-2-Methylphenol	74.120000	50.000000	0.1488600	0.01	48.24		2RDR
N-Nitrosodiphenylamine	0.5590000	0.4638800	0.4638800	0.01	-17.02	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2250300	0.2250300	0.01	-3.42		AVRG
Hexachlorobenzene	0.2930000	0.2758200	0.2758200	0.01	-5.86		AVRG
Pentachlorophenol	51.989000	50.000000	0.1637100	0.01	3.98		LINR
Carbazole	0.8120000	0.6150600	0.6150600	0.01	-24.25		AVRG
Di-n-butylphthalate	1.2140000	1.1161000	1.1161000	0.01	-8.06		AVRG
Butylbenzylphthalate	0.6790000	0.5806900	0.5806900	0.01	-14.48		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2575400	0.2575400	0.01	-9.32		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.7494300	0.7494300	0.01	-17.19		AVRG
Di-n-octylphthalate	2.1640000	2.0577000	2.0577000	0.01	-4.91	20.00	AVRG
Benzaldehyde	0.2090000	0.6989000	0.6989000	0.01	234.40		AVRG
Acetophenone	1.6090000	1.2844000	1.2844000	0.01	-20.17		AVRG
Caprolactam	0.1000000	8.57e-002	8.57e-002	0.01	-14.30		AVRG
1,1'-Biphenyl	1.4450000	1.0920000	1.0920000	0.01	-24.43		AVRG
Atrazine	0.2050000	0.1549700	0.1549700	0.01	-24.40		AVRG
2-Fluorophenol	1.1900000	1.0830000	1.0830000	0.01	-8.99		AVRG
Phenol-D6	1.4120000	1.1442000	1.1442000	0.01	-18.97		AVRG
Nitrobenzene-D5	0.3430000	0.3355600	0.3355600	0.01	-2.17		AVRG
2-Fluorobiphenyl	1.2160000	0.9357800	0.9357800	0.01	-23.04		AVRG
2,4,6-Tribromophenol	0.1870000	0.1821800	0.1821800	0.01	-2.58		AVRG
Terphenyl-D14	0.9000000	0.7926700	0.7926700	0.01	-11.93		AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): K4508 Date Analyzed: 06/09/03

Instrument ID: GCMS-K Time Analyzed: 1807

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	148607	8.45	433577	11.27	222140	15.38
UPPER LIMIT	297214	8.95	867154	11.77	444280	15.88
LOWER LIMIT	74304	7.95	216789	10.77	111070	14.88

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	03GLM0502	WT1148-1	105190	8.44	345103	11.27	148295	15.38
02	13GLM03D02	WT1148-3	103131	8.45	316623	11.27	154269	15.37
03	13GLM10S02	WT1148-5	125365	8.44	337151	11.27	140535	15.38
04	13GLM10S02D	WT1148-7	127094	8.45	331834	11.27	123543	15.38
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): K4508 Date Analyzed: 06/09/03

Instrument ID: GCMS-K Time Analyzed: 1807

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		287033	18.81	200971	25.11	115170	28.25
UPPER LIMIT		574066	19.31	401942	25.61	230340	28.75
LOWER LIMIT		143517	18.31	100486	24.61	57585	27.75
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 03GLM05S02	WT1148-1	193226	18.82	91058*	25.10	61052	28.24
02 13GLM03D02	WT1148-3	219887	18.81	139876	25.10	82385	28.25
03 13GLM10S02	WT1148-5	167873	18.82	113260	25.11	82725	28.25
04 13GLM10S02D	WT1148-7	157162	18.82	121153	25.11	86396	28.26
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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: KD085 DFTPP Injection Date: 06/10/03

Instrument ID: GCMS-K DFTPP Injection Time: 1536

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	57.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.5
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	7.2
275	10.0 - 30.0% of mass 198	19.7
365	1.0 - 100.0% of mass 198	1.7
441	0.0 - 100.0% of mass 443	12.0 (78.0)2
442	40.0 - 100.0% of mass 198	76.2
443	17.0 - 23.0% of mass 442	15.4 (20.2)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		SSTD050K0610	K4522	06/10/03	1602
02	WG2353-BLANK	WG2353-1	K4523	06/10/03	1653
03	WG2353-LCS	WG2353-2	K4524	06/10/03	1744
04	WG2353-LCSD	WG2353-3	K4525	06/10/03	1834
05	13GLM11I02	WT1148-13	K4528	06/10/03	2104
06	03GLM0502	WT1148-1RA	K4534	06/11/03	0204
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date: 06/10/03 Time: 1602

Lab File ID: K4522 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.1829000	1.1829000	0.01	-19.20	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	0.9931800	0.9931800	0.01	-17.03		AVRG
2-Chlorophenol	1.2160000	1.0081000	1.0081000	0.01	-17.10		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	1.9879000	1.9879000	0.01	-13.19		AVRG
2-Methylphenol	0.9540000	0.8330500	0.8330500	0.01	-12.68		AVRG
Hexachloroethane	0.5550000	0.4903700	0.4903700	0.01	-11.64		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.6594900	0.6594900	0.05	-16.31		AVRG
4-Methylphenol	0.9740000	0.8550600	0.8550600	0.01	-12.21		AVRG
Nitrobenzene	0.3670000	0.3369500	0.3369500	0.01	-8.19		AVRG
Isophorone	0.6860000	0.6088200	0.6088200	0.01	-11.25		AVRG
2-Nitrophenol	51.571000	50.000000	0.1793700	0.01	3.14		LINR
2,4-Dimethylphenol	0.3560000	0.2989000	0.2989000	0.01	-16.04		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.3707400	0.3707400	0.01	-16.12		AVRG
2,4-Dichlorophenol	0.2860000	0.2656600	0.2656600	0.01	-7.11	20.00	AVRG
4-Chloroaniline	0.3820000	0.3253200	0.3253200	0.01	-14.84		AVRG
Hexachlorobutadiene	0.1800000	0.1630600	0.1630600	0.01	-9.41	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2424400	0.2424400	0.01	-15.23	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4271500	0.4271500	0.05	13.30		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4108100	0.4108100	0.01	2.19	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4370900	0.4370900	0.01	0.71		AVRG
2-Chloronaphthalene	1.1450000	1.0703000	1.0703000	0.01	-6.52		AVRG
2-Nitroaniline	50.796000	50.000000	0.3728600	0.01	1.59		2RDR
Dimethyl Phthalate	1.2870000	1.1650000	1.1650000	0.01	-9.48		AVRG
2,6-Dinitrotoluene	52.053000	50.000000	0.2751600	0.01	4.11		LINR
3-Nitroaniline	48.515000	50.000000	0.2467500	0.01	-2.97		2RDR
2,4-Dinitrophenol	77.406000	50.000000	0.1438100	0.05	54.81		2RDR
Dibenzofuran	1.4630000	1.2731000	1.2731000	0.01	-12.98		AVRG
4-Nitrophenol	40.719000	50.000000	0.1129200	0.05	-18.56		2RDR
2,4-Dinitrotoluene	56.300000	50.000000	0.3566800	0.01	12.60		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date: 06/10/03 Time: 1602

Lab File ID: K4522 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.0366000	1.0366000	0.01	-17.73		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.4998100	0.4998100	0.01	-7.44		AVRG
4-Nitroaniline	49.973000	50.000000	0.1978500	0.01	-0.05		2RDR
4,6-Dinitro-2-Methylphenol	69.301000	50.000000	0.1370700	0.01	38.60		2RDR
N-Nitrosodiphenylamine	0.5590000	0.4685000	0.4685000	0.01	-16.19	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2242400	0.2242400	0.01	-3.76		AVRG
Hexachlorobenzene	0.2930000	0.2695000	0.2695000	0.01	-8.02		AVRG
Pentachlorophenol	43.191000	50.000000	0.1304900	0.01	-13.62		LINR
Carbazole	0.8120000	0.6005400	0.6005400	0.01	-26.04		AVRG
Di-n-butylphthalate	1.2140000	1.0488000	1.0488000	0.01	-13.61		AVRG
Butylbenzylphthalate	0.6790000	0.5903900	0.5903900	0.01	-13.05		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2585000	0.2585000	0.01	-8.98		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8306600	0.8306600	0.01	-8.21		AVRG
Di-n-octylphthalate	2.1640000	1.9565000	1.9565000	0.01	-9.59	20.00	AVRG
Benzaldehyde	0.2090000	0.5529300	0.5529300	0.01	164.56		AVRG
Acetophenone	1.6090000	1.3408000	1.3408000	0.01	-16.67		AVRG
Caprolactam	0.1000000	8.91e-002	8.91e-002	0.01	-10.90		AVRG
1,1'-Biphenyl	1.4450000	1.2933000	1.2933000	0.01	-10.50		AVRG
Atrazine	0.2050000	0.1478100	0.1478100	0.01	-27.90		AVRG
2-Fluorophenol	1.1900000	1.0557000	1.0557000	0.01	-11.29		AVRG
Phenol-D6	1.4120000	1.1759000	1.1759000	0.01	-16.72		AVRG
Nitrobenzene-D5	0.3430000	0.3307600	0.3307600	0.01	-3.57		AVRG
2-Fluorobiphenyl	1.2160000	1.1753000	1.1753000	0.01	-3.35		AVRG
2,4,6-Tribromophenol	0.1870000	0.1865800	0.1865800	0.01	-0.22		AVRG
Terphenyl-D14	0.9000000	0.9046200	0.9046200	0.01	0.51		AVRG

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2353-1
Client ID: WG2353-Blank
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2353-1
Client ID: WG2353-Blank
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		* 0%				
13127-88-3	Phenol-D6		* 3%				
4165-60-0	Nitrobenzene-D5		80%				
321-60-8	2-Fluorobiphenyl		79%				
118-79-6	2,4,6-Tribromophenol		* 0%				
1718-51-0	Terphenyl-D14		91%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER

Lab ID: WG2353-2 & WG2353-3
Client ID: WG2353-LCS & WG2353-LCSD
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Phenol	100	100	NA	27	32	27	32		16	30	12-126
Bis(2-Chloroethyl)ether	50	50	NA	30	35	60	71		17	30	52-115
2-Chlorophenol	100	100	NA	57	69	57	69		19	30	46-114
2,2'-Oxybis(1-Chloropropane)	50	50	NA	28	34	56	68		18	30	54-114
2-Methylphenol	100	100	NA	54	60	54	60		10	30	50-110
Hexachloroethane	50	50	NA	26	30	53	60		13	30	30- 99
N-Nitroso-di-n-propylamine	50	50	NA	29	33	58	65		12	30	52-108
4-Methylphenol	100	100	NA	54	57	54	57		5	30	46-119
Nitrobenzene	50	50	NA	34	39	69	77		12	30	49-113
Isophorone	50	50	NA	35	32	69	64		8	30	49-106
2-Nitrophenol	100	100	NA	76	78	76	78		2	30	47-121
2,4-Dimethylphenol	100	100	NA	68	65	68	65		5	30	45-107
Bis(2-Chloroethoxy)methane	50	50	NA	32	32	64	65		0.9	30	50-112
2,4-Dichlorophenol	100	100	NA	72	70	72	70		3	30	48-115
4-Chloroaniline	50	50	NA	36	35	73	70		4	30	19-125
Hexachlorobutadiene	50	50	NA	32	25	63	50		24	30	28-109
4-Chloro-3-Methylphenol	100	100	NA	77	72	77	72		7	30	52-121
Hexachlorocyclopentadiene	50	50	NA	30	35	61	70		14	30	0- 90
2,4,6-Trichlorophenol	100	100	NA	82	86	82	86		5	30	51-120
2,4,5-Trichlorophenol	100	100	NA	86	90	86	90		4	30	53-120
2-Chloronaphthalene	50	50	NA	40	44	81	88		9	30	44-156
2-Nitroaniline	50	50	NA	45	49	90	97		7	30	53-127
Dimethyl Phthalate	50	50	NA	18	16	36	32		10	30	14-138
2,6-Dinitrotoluene	50	50	NA	50	53	99	107		7	30	51-120
3-Nitroaniline	50	50	NA	51	51	102	102		0.2	30	48-124
2,4-Dinitrophenol	100	100	NA	49	101	49	101	*	70	30	22-155
Dibenzofuran	50	50	NA	38	41	76	82		7	30	54-111
4-Nitrophenol	100	100	NA	36	45	36	45		24	30	6-132
2,4-Dinitrotoluene	50	50	NA	54	58	109	117		7	30	50-119
Diethylphthalate	50	50	NA	31	35	63	69		10	30	31-129
4-Chlorophenyl-phenylether	50	50	NA	43	52	87	104		18	30	56-115
4-Nitroaniline	50	50	NA	56	60	113	120		6	30	50-137
4,6-Dinitro-2-Methylphenol	100	100	NA	112	127	112	127		12	30	43-151
N-Nitrosodiphenylamine	100	100	NA	88	91	88	91		4	30	67-131
4-Bromophenyl-phenylether	50	50	NA	45	52	89	104		15	30	59-118
Hexachlorobenzene	50	50	NA	46	44	92	89		4	30	55-116
Pentachlorophenol	100	100	NA	65	62	65	62		6	30	38-148
Carbazole	50	50	NA	44	45	88	90		2	30	63-133
Di-n-butylphthalate	50	50	NA	43	42	87	85		2	30	43-136
Butylbenzylphthalate	50	50	NA	34	52	67	104	*	42	30	31-156
3,3'-Dichlorobenzidine	50	50	NA	51	49	102	97		5	30	30-128
bis(2-Ethylhexyl)phthalate	50	50	NA	41	57	83	115	*	33	30	43-151
Di-n-octylphthalate	50	50	NA	41	58	82	116	*	34	30	42-166
Acetophenone	50	50	NA	28	31	56	62		11	30	0-100

FORM III SV-1

K4524.D & K4525.D

FORM 8

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): K4522 Date Analyzed: 06/10/03

Instrument ID: GCMS-K Time Analyzed: 1602

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	209788	8.43	612799	11.26	250362	15.37
UPPER LIMIT	419576	8.93	1225598	11.76	500724	15.87
LOWER LIMIT	104894	7.93	306400	10.76	125181	14.87

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG2353-BLANK	WG2353-1	107828	8.42	325582	11.26	152089	15.37
02	WG2353-LCS	WG2353-2	129790	8.42	354380	11.25	163814	15.36
03	WG2353-LCSD	WG2353-3	119759	8.42	348086	11.26	148774	15.38
04	13GLM11I02	WT1148-13	94990*	8.42	283173*	11.25	133448	15.36
05	03GLM0502	WT1148-1RA	101499*	8.42	315487	11.25	153567	15.37
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): K4522 Date Analyzed: 06/10/03

Instrument ID: GCMS-K Time Analyzed: 1602

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	337699	18.81	183196	25.11	113658	28.25
UPPER LIMIT	675398	19.31	366392	25.61	227316	28.75
LOWER LIMIT	168850	18.31	91598	24.61	56829	27.75

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG2353-BLANK	WG2353-1	217461	18.81	152100	25.10	99522	28.24
02	WG2353-LCS	WG2353-2	226520	18.81	167124	25.11	108631	28.26
03	WG2353-LCSD	WG2353-3	219083	18.81	109675	25.11	72549	28.26
04	13GLM11I02	WT1148-13	187742	18.80	184910	25.11	123524	28.26
05	03GLM0502	WT1148-1RA	233452	18.80	147565	25.11	87649	28.25
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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: KD086 DFTPP Injection Date: 06/11/03

Instrument ID: GCMS-K DFTPP Injection Time: 1200

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	49.0
68	Less than 2.0% of mass 69	0.5 (0.8)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	41.0
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	8.0
275	10.0 - 30.0% of mass 198	19.9
365	1.0 - 100.0% of mass 198	2.5
441	0.0 - 100.0% of mass 443	10.8 (81.5)2
442	40.0 - 100.0% of mass 198	64.1
443	17.0 - 23.0% of mass 442	13.3 (20.7)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		SSTD050K0611	K4536	06/11/03	1231
02	13GLM10I02	WT1148-9	K4541	06/11/03	1638
03	13GLM11S02	WT1148-11	K4542	06/11/03	1727
04	13GLM08S02	WT1160-1	K4543	06/11/03	1816
05	13GLM08I02	WT1160-3	K4544	06/11/03	1904
06	13GLM15S02	WT1160-5	K4545	06/11/03	1952
07	13GLM15I02	WT1160-7	K4546	06/11/03	2041
08	13GLM14I02	WT1160-9	K4547	06/11/03	2129
09	13GLM04S02	WT1160-12	K4548	06/11/03	2217
10	13GLM04I02	WT1160-14	K4550	06/11/03	2353
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date: 06/11/03 Time: 1231

Lab File ID: K4536 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.7417000	1.7417000	0.01	18.97	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.3862000	1.3862000	0.01	15.81		AVRG
2-Chlorophenol	1.2160000	1.4284000	1.4284000	0.01	17.47		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.2710000	2.2710000	0.01	-0.83		AVRG
2-Methylphenol	0.9540000	0.9625500	0.9625500	0.01	0.90		AVRG
Hexachloroethane	0.5550000	0.5773500	0.5773500	0.01	4.03		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.8060200	0.8060200	0.05	2.29		AVRG
4-Methylphenol	0.9740000	1.0007000	1.0007000	0.01	2.74		AVRG
Nitrobenzene	0.3670000	0.3740700	0.3740700	0.01	1.93		AVRG
Isophorone	0.6860000	0.6381000	0.6381000	0.01	-6.98		AVRG
2-Nitrophenol	56.034000	50.000000	0.1972300	0.01	12.07		LINR
2,4-Dimethylphenol	0.3560000	0.3423200	0.3423200	0.01	-3.84		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4153800	0.4153800	0.01	-6.02		AVRG
2,4-Dichlorophenol	0.2860000	0.2658500	0.2658500	0.01	-7.04	20.00	AVRG
4-Chloroaniline	0.3820000	0.3525300	0.3525300	0.01	-7.71		AVRG
Hexachlorobutadiene	0.1800000	0.1913700	0.1913700	0.01	6.32	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2676300	0.2676300	0.01	-6.42	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4400800	0.4400800	0.05	16.73		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3851000	0.3851000	0.01	-4.20	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.3984200	0.3984200	0.01	-8.20		AVRG
2-Chloronaphthalene	1.1450000	1.0793000	1.0793000	0.01	-5.74		AVRG
2-Nitroaniline	52.827000	50.000000	0.3888100	0.01	5.65		2RDR
Dimethyl Phthalate	1.2870000	1.2132000	1.2132000	0.01	-5.73		AVRG
2,6-Dinitrotoluene	52.504000	50.000000	0.2780100	0.01	5.01		LINR
3-Nitroaniline	53.633000	50.000000	0.2755000	0.01	7.27		2RDR
2,4-Dinitrophenol	76.066000	50.000000	0.1406000	0.05	52.13		2RDR
Dibenzofuran	1.4630000	1.4584000	1.4584000	0.01	-0.31		AVRG
4-Nitrophenol	44.840000	50.000000	0.1259500	0.05	-10.32		2RDR
2,4-Dinitrotoluene	60.360000	50.000000	0.3857600	0.01	20.72		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date: 06/11/03 Time: 1231

Lab File ID: K4536 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1365000	1.1365000	0.01	-9.80		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5282100	0.5282100	0.01	-2.18		AVRG
4-Nitroaniline	50.071000	50.000000	0.1983000	0.01	0.14		2RDR
4,6-Dinitro-2-Methylphenol	72.326000	50.000000	0.1444400	0.01	44.65		2RDR
N-Nitrosodiphenylamine	0.5590000	0.4947400	0.4947400	0.01	-11.50	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2272000	0.2272000	0.01	-2.49		AVRG
Hexachlorobenzene	0.2930000	0.2987400	0.2987400	0.01	1.96		AVRG
Pentachlorophenol	49.139000	50.000000	0.1529500	0.01	-1.72		LINR
Carbazole	0.8120000	0.7049800	0.7049800	0.01	-13.18		AVRG
Di-n-butylphthalate	1.2140000	1.1509000	1.1509000	0.01	-5.20		AVRG
Butylbenzylphthalate	0.6790000	0.6641700	0.6641700	0.01	-2.18		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2741500	0.2741500	0.01	-3.47		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8353600	0.8353600	0.01	-7.70		AVRG
Di-n-octylphthalate	2.1640000	2.0365000	2.0365000	0.01	-5.89	20.00	AVRG
Benzaldehyde	0.2090000	0.6409000	0.6409000	0.01	206.65		AVRG
Acetophenone	1.6090000	1.5042000	1.5042000	0.01	-6.51		AVRG
Caprolactam	0.1000000	7.95e-002	7.95e-002	0.01	-20.50		AVRG
1,1'-Biphenyl	1.4450000	1.3953000	1.3953000	0.01	-3.44		AVRG
Atrazine	0.2050000	0.1540500	0.1540500	0.01	-24.85		AVRG
2-Fluorophenol	1.1900000	1.4923000	1.4923000	0.01	25.40		AVRG
Phenol-D6	1.4120000	1.6741000	1.6741000	0.01	18.56		AVRG
Nitrobenzene-D5	0.3430000	0.3625000	0.3625000	0.01	5.68		AVRG
2-Fluorobiphenyl	1.2160000	1.1772000	1.1772000	0.01	-3.19		AVRG
2,4,6-Tribromophenol	0.1870000	0.2056300	0.2056300	0.01	9.96		AVRG
Terphenyl-D14	0.9000000	0.9524200	0.9524200	0.01	5.82		AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): K4536 Date Analyzed: 06/11/03

Instrument ID: GCMS-K Time Analyzed: 1231

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	183521	8.41	548825	11.24	235699	15.35
UPPER LIMIT	367042	8.91	1097650	11.74	471398	15.85
LOWER LIMIT	91761	7.91	274413	10.74	117850	14.85

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	13GLM10I02	WT1148-9	155161	8.41	453299	11.24	202971	15.35
02	13GLM11S02	WT1148-11	133809	8.41	422148	11.25	210310	15.36
03	13GLM08S02	WT1160-1	114271	8.41	340834	11.24	154375	15.35
04	13GLM08I02	WT1160-3	111213	8.41	354954	11.24	181736	15.36
05	13GLM15S02	WT1160-5	126404	8.41	362323	11.24	180181	15.35
06	13GLM15I02	WT1160-7	133384	8.41	397640	11.24	190689	15.35
07	13GLM14I02	WT1160-9	148499	8.41	439396	11.24	211988	15.36
08	13GLM04S02	WT1160-12	143920	8.41	424453	11.25	185719	15.36
09	13GLM04I02	WT1160-14	210170	8.41	617443	11.24	277248	15.35
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): K4536 Date Analyzed: 06/11/03

Instrument ID: GCMS-K Time Analyzed: 1231

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		309134	18.79	210413	25.08	127394	28.23
UPPER LIMIT		618268	19.29	420826	25.58	254788	28.73
LOWER LIMIT		154567	18.29	105207	24.58	63697	27.73
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM10I02	WT1148-9	283755	18.79	216227	25.09	147328	28.24
02 13GLM11S02	WT1148-11	296736	18.79	188486	25.10	128981	28.24
03 13GLM08S02	WT1160-1	225782	18.79	172128	25.08	113281	28.25
04 13GLM08I02	WT1160-3	246058	18.79	189355	25.09	117679	28.24
05 13GLM15S02	WT1160-5	260635	18.79	185305	25.09	114199	28.24
06 13GLM15I02	WT1160-7	260007	18.80	188119	25.09	125846	28.24
07 13GLM14I02	WT1160-9	244837	18.80	173158	25.09	109284	28.23
08 13GLM04S02	WT1160-12	270167	18.79	138502	25.09	96734	28.24
09 13GLM04I02	WT1160-14	377475	18.79	259571	25.10	166574	28.24
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: KD087 DFTPP Injection Date: 06/12/03

Instrument ID: GCMS-K DFTPP Injection Time: 1143

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	57.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.5
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	7.1
275	10.0 - 30.0% of mass 198	22.6
365	1.0 - 100.0% of mass 198	2.2
441	0.0 - 100.0% of mass 443	12.3 (87.6)2
442	40.0 - 100.0% of mass 198	67.5
443	17.0 - 23.0% of mass 442	14.0 (20.7)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		SSTD050K0612	K4552	06/12/03	1256
02	13GLM06S02	WT1160-16	K4553	06/12/03	1345
03	13GLM06I02	WT1160-18	K4554	06/12/03	1434
04	13GLM06I02D	WT1160-20	K4555	06/12/03	1523
05	13RL051603	WT1160-22	K4563	06/12/03	2150
06	13GLM12I02	WT1160-25	K4564	06/12/03	2238
07	13GLM12I02D	WT1160-27	K4565	06/12/03	2326
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date: 06/12/03 Time: 1256

Lab File ID: K4552 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.6087000	1.6087000	0.01	9.88	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.2393000	1.2393000	0.01	3.53		AVRG
2-Chlorophenol	1.2160000	1.2760000	1.2760000	0.01	4.93		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.4338000	2.4338000	0.01	6.28		AVRG
2-Methylphenol	0.9540000	1.0043000	1.0043000	0.01	5.27		AVRG
Hexachloroethane	0.5550000	0.5877300	0.5877300	0.01	5.90		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.8100500	0.8100500	0.05	2.80		AVRG
4-Methylphenol	0.9740000	1.0704000	1.0704000	0.01	9.90		AVRG
Nitrobenzene	0.3670000	0.3660200	0.3660200	0.01	-0.27		AVRG
Isophorone	0.6860000	0.6790900	0.6790900	0.01	-1.01		AVRG
2-Nitrophenol	55.234000	50.000000	0.1940300	0.01	10.47		LINR
2,4-Dimethylphenol	0.3560000	0.3310700	0.3310700	0.01	-7.00		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4283200	0.4283200	0.01	-3.10		AVRG
2,4-Dichlorophenol	0.2860000	0.2677400	0.2677400	0.01	-6.38	20.00	AVRG
4-Chloroaniline	0.3820000	0.3729900	0.3729900	0.01	-2.36		AVRG
Hexachlorobutadiene	0.1800000	0.1670500	0.1670500	0.01	-7.19	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2716200	0.2716200	0.01	-5.03	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4306000	0.4306000	0.05	14.22		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4101900	0.4101900	0.01	2.04	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4320800	0.4320800	0.01	-0.44		AVRG
2-Chloronaphthalene	1.1450000	1.1592000	1.1592000	0.01	1.24		AVRG
2-Nitroaniline	61.072000	50.000000	0.4548400	0.01	22.14		2RDR
Dimethyl Phthalate	1.2870000	1.3060000	1.3060000	0.01	1.48		AVRG
2,6-Dinitrotoluene	59.984000	50.000000	0.3251800	0.01	19.97		LINR
3-Nitroaniline	60.917000	50.000000	0.3173300	0.01	21.83		2RDR
2,4-Dinitrophenol	76.351000	50.000000	0.1412800	0.05	52.70		2RDR
Dibenzofuran	1.4630000	1.4082000	1.4082000	0.01	-3.74		AVRG
4-Nitrophenol	46.025000	50.000000	0.1297300	0.05	-7.95		2RDR
2,4-Dinitrotoluene	63.108000	50.000000	0.4056800	0.01	26.22		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date: 06/12/03 Time: 1256

Lab File ID: K4552 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.2362000	1.2362000	0.01	-1.89		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5292000	0.5292000	0.01	-2.00		AVRG
4-Nitroaniline	65.304000	50.000000	0.2699700	0.01	30.61		2RDR
4,6-Dinitro-2-Methylphenol	70.026000	50.000000	0.1388300	0.01	40.05		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5097700	0.5097700	0.01	-8.81	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2249600	0.2249600	0.01	-3.45		AVRG
Hexachlorobenzene	0.2930000	0.2849200	0.2849200	0.01	-2.76		AVRG
Pentachlorophenol	46.967000	50.000000	0.1447400	0.01	-6.07		LINR
Carbazole	0.8120000	0.7970400	0.7970400	0.01	-1.84		AVRG
Di-n-butylphthalate	1.2140000	1.2487000	1.2487000	0.01	2.86		AVRG
Butylbenzylphthalate	0.6790000	0.6362300	0.6362300	0.01	-6.30		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2730700	0.2730700	0.01	-3.85		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8414500	0.8414500	0.01	-7.02		AVRG
Di-n-octylphthalate	2.1640000	2.0268000	2.0268000	0.01	-6.34	20.00	AVRG
Benzaldehyde	0.2090000	0.8312100	0.8312100	0.01	297.71		AVRG
Acetophenone	1.6090000	1.6572000	1.6572000	0.01	3.00		AVRG
Caprolactam	0.1000000	9.96e-002	9.96e-002	0.01	-0.40		AVRG
1,1'-Biphenyl	1.4450000	1.4608000	1.4608000	0.01	1.09		AVRG
Atrazine	0.2050000	0.1621900	0.1621900	0.01	-20.88		AVRG
2-Fluorophenol	1.1900000	1.2651000	1.2651000	0.01	6.31		AVRG
Phenol-D6	1.4120000	1.4532000	1.4532000	0.01	2.92		AVRG
Nitrobenzene-D5	0.3430000	0.3722200	0.3722200	0.01	8.52		AVRG
2-Fluorobiphenyl	1.2160000	1.1980000	1.1980000	0.01	-1.48		AVRG
2,4,6-Tribromophenol	0.1870000	0.2112100	0.2112100	0.01	12.95		AVRG
Terphenyl-D14	0.9000000	0.8513500	0.8513500	0.01	-5.40		AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): K4552 Date Analyzed: 06/12/03

Instrument ID: GCMS-K Time Analyzed: 1256

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	230715	8.38	760442	11.21	325903	15.30
UPPER LIMIT	461430	8.88	1520884	11.71	651806	15.80
LOWER LIMIT	115358	7.88	380221	10.71	162952	14.80

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	13GLM06S02	WT1160-16	154904	8.38	475622	11.20	207752	15.30
02	13GLM06I02	WT1160-18	156324	8.37	489305	11.21	210425	15.30
03	13GLM06I02D	WT1160-20	182192	8.37	520257	11.21	242109	15.30
04	13RL051603	WT1160-22	161505	8.37	525930	11.20	238284	15.30
05	13GLM12I02	WT1160-25	176918	8.37	529287	11.20	241135	15.30
06	13GLM12I02D	WT1160-27	162608	8.37	484554	11.20	218485	15.30
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): K4552 Date Analyzed: 06/12/03

Instrument ID: GCMS-K Time Analyzed: 1256

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	451998	18.74	312743	25.03	189012	28.18
UPPER LIMIT	903996	19.24	625486	25.53	378024	28.68
LOWER LIMIT	225999	18.24	156372	24.53	94506	27.68

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	13GLM06S02	WT1160-16	313989	18.73	222565	25.03	142816	28.18
02	13GLM06I02	WT1160-18	312493	18.73	206842	25.03	126432	28.17
03	13GLM06I02D	WT1160-20	337991	18.74	272544	25.04	178260	28.18
04	13RL051603	WT1160-22	346201	18.73	245447	25.03	161338	28.19
05	13GLM12I02	WT1160-25	338550	18.73	249692	25.03	153390	28.19
06	13GLM12I02D	WT1160-27	307944	18.73	310197	25.03	181606	28.18
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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: KD100 DFTPP Injection Date: 06/21/03

Instrument ID: GCMS-K DFTPP Injection Time: 1253

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	62.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.5
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	7.2
275	10.0 - 30.0% of mass 198	20.0
365	1.0 - 100.0% of mass 198	1.8
441	0.0 - 100.0% of mass 443	12.5 (82.3)2
442	40.0 - 100.0% of mass 198	69.6
443	17.0 - 23.0% of mass 442	15.2 (21.8)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		SSTD050K0621	K4725	06/21/03	1454
02	WG2641-BLANK	WG2641-1	K4727	06/21/03	1630
03	WG2641-LCS	WG2641-2	K4728	06/21/03	1719
04	WG2641-LCSD	WG2641-3	K4729	06/21/03	1807
05	13GLM11I02	WT1148-13RE	K4731	06/21/03	1943
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date: 06/21/03 Time: 1454

Lab File ID: K4725 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.6960000	1.6960000	0.01	15.85	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.2719000	1.2719000	0.01	6.26		AVRG
2-Chlorophenol	1.2160000	1.2550000	1.2550000	0.01	3.21		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.3481000	2.3481000	0.01	2.54		AVRG
2-Methylphenol	0.9540000	0.9739200	0.9739200	0.01	2.09		AVRG
Hexachloroethane	0.5550000	0.5399500	0.5399500	0.01	-2.71		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.8249100	0.8249100	0.05	4.68		AVRG
4-Methylphenol	0.9740000	1.0539000	1.0539000	0.01	8.20		AVRG
Nitrobenzene	0.3670000	0.4402500	0.4402500	0.01	19.96		AVRG
Isophorone	0.6860000	0.6727200	0.6727200	0.01	-1.94		AVRG
2-Nitrophenol	54.302000	50.000000	0.1903000	0.01	8.60		LINR
2,4-Dimethylphenol	0.3560000	0.3261400	0.3261400	0.01	-8.39		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4279800	0.4279800	0.01	-3.17		AVRG
2,4-Dichlorophenol	0.2860000	0.2662900	0.2662900	0.01	-6.89	20.00	AVRG
4-Chloroaniline	0.3820000	0.3107500	0.3107500	0.01	-18.65		AVRG
Hexachlorobutadiene	0.1800000	0.1557900	0.1557900	0.01	-13.45	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2542200	0.2542200	0.01	-11.11	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3778000	0.3778000	0.05	0.21		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3819100	0.3819100	0.01	-5.00	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4087900	0.4087900	0.01	-5.81		AVRG
2-Chloronaphthalene	1.1450000	1.0853000	1.0853000	0.01	-5.21		AVRG
2-Nitroaniline	55.548000	50.000000	0.4103600	0.01	11.10		2RDR
Dimethyl Phthalate	1.2870000	1.2035000	1.2035000	0.01	-6.49		AVRG
2,6-Dinitrotoluene	56.916000	50.000000	0.3058300	0.01	13.83		LINR
3-Nitroaniline	54.564000	50.000000	0.2807900	0.01	9.13		2RDR
2,4-Dinitrophenol	85.508000	50.000000	0.1637400	0.05	71.02		2RDR
Dibenzofuran	1.4630000	1.4353000	1.4353000	0.01	-1.89		AVRG
4-Nitrophenol	43.573000	50.000000	0.1219200	0.05	-12.85		2RDR
2,4-Dinitrotoluene	62.672000	50.000000	0.4025100	0.01	25.34		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date: 06/21/03 Time: 1454

Lab File ID: K4725 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1843000	1.1843000	0.01	-6.01		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5268400	0.5268400	0.01	-2.44		AVRG
4-Nitroaniline	59.941000	50.000000	0.2442900	0.01	19.88		2RDR
4,6-Dinitro-2-Methylphenol	84.185000	50.000000	0.1743000	0.01	68.37		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5839100	0.5839100	0.01	4.46	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2308300	0.2308300	0.01	-0.93		AVRG
Hexachlorobenzene	0.2930000	0.2776000	0.2776000	0.01	-5.26		AVRG
Pentachlorophenol	53.397000	50.000000	0.1690300	0.01	6.79		LINR
Carbazole	0.8120000	0.8271800	0.8271800	0.01	1.87		AVRG
Di-n-butylphthalate	1.2140000	1.2330000	1.2330000	0.01	1.56		AVRG
Butylbenzylphthalate	0.6790000	0.6651200	0.6651200	0.01	-2.04		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3218400	0.3218400	0.01	13.32		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8838300	0.8838300	0.01	-2.34		AVRG
Di-n-octylphthalate	2.1640000	2.1278000	2.1278000	0.01	-1.67	20.00	AVRG
Benzaldehyde	0.2090000	0.7678400	0.7678400	0.01	267.39		AVRG
Acetophenone	1.6090000	1.5990000	1.5990000	0.01	-0.62		AVRG
Caprolactam	0.1000000	9.45e-002	9.45e-002	0.01	-5.50		AVRG
1,1'-Biphenyl	1.4450000	1.3454000	1.3454000	0.01	-6.89		AVRG
Atrazine	0.2050000	0.1152900	0.1152900	0.01	-43.76		AVRG
2-Fluorophenol	1.1900000	1.3617000	1.3617000	0.01	14.43		AVRG
Phenol-D6	1.4120000	1.4321000	1.4321000	0.01	1.42		AVRG
Nitrobenzene-D5	0.3430000	0.4240200	0.4240200	0.01	23.62		AVRG
2-Fluorobiphenyl	1.2160000	1.1429000	1.1429000	0.01	-6.01		AVRG
2,4,6-Tribromophenol	0.1870000	0.1911400	0.1911400	0.01	2.21		AVRG
Terphenyl-D14	0.9000000	0.8360400	0.8360400	0.01	-7.11		AVRG

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2641-1
Client ID: WG2641-Blank
SDG: CTO287-3
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2641-1
Client ID: WG2641-Blank
SDG: CTO287-3
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		74%				
13127-88-3	Phenol-D6		80%				
4165-60-0	Nitrobenzene-D5		79%				
321-60-8	2-Fluorobiphenyl		68%				
118-79-6	2,4,6-Tribromophenol		85%				
1718-51-0	Terphenyl-D14		87%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/30/2003
Matrix: WATER

Lab ID: WG2641-2 & WG2641-3
Client ID: WG2641-LCS & WG2641-LCSD
SDG: CTO287-3
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.		LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
1,4-Dioxane			NA								30	21-114
Pyridine	50	50	NA	14	24	29		47	*	48	30	0-151
N-Nitrosodimethylamine	50	50	NA	25	28	50		55		10	30	0-100
Aniline	50	50	NA	26	32	51		63		21	30	24-114
Phenol	100	100	NA	39	65	39		65	*	51	30	12-126
Bis(2-Chloroethyl)ether	50	50	NA	29	31	58		61		5	30	52-115
2-Chlorophenol	100	100	NA	42	60	* 42		60	*	36	30	46-114
1,3-Dichlorobenzene	50	50	NA	19	19	* 38	*	38		0.5	30	40- 99
1,4-Dichlorobenzene	50	50	NA	18	20	* 37		40		9	30	40- 99
1,2-Dichlorobenzene	50	50	NA	20	21	* 40	*	41		4	30	44-101
Benzyl alcohol	50	50	NA	27	31	54		61		12	30	49-124
2,2'-Oxybis(1-Chloropropane)	50	50	NA	27	26	54	*	53		2	30	54-114
2-Methylphenol	100	100	NA	52	67	52		67		26	30	50-110
Hexachloroethane	50	50	NA	15	16	31		33		6	30	30- 99
N-Nitroso-di-n-propylamine	50	50	NA	27	28	54		55		2	30	52-108
4-Methylphenol	100	100	NA	49	64	49		64		26	30	46-119
Nitrobenzene	50	50	NA	28	29	56		59		5	30	49-113
Isophorone	50	50	NA	28	28	55		56		0.4	30	49-106
2-Nitrophenol	100	100	NA	40	73	* 40		73	*	58	30	47-121
2,4-Dimethylphenol	100	100	NA	56	59	56		59		6	30	45-107
Bis(2-Chloroethoxy)methane	50	50	NA	27	29	53		58		8	30	50-112
2,4-Dichlorophenol	100	100	NA	48	63	48		63		27	30	48-115
1,2,4-Trichlorobenzene	50	50	NA	19	21	* 38		43		11	30	39-105
Naphthalene	50	50	NA	25	25	51		51		0.4	30	46-110
Benzoic acid	100	100	NA	56	34	56		34	*	49	30	0- 98
4-Chloroaniline	50	50	NA	24	31	48		61		25	30	19-125
Hexachlorobutadiene	50	50	NA	14	17	28		34		19	30	28-109
4-Chloro-3-Methylphenol	100	100	NA	45	67	* 45		67	*	39	30	52-121
2-Methylnaphthalene	50	50	NA	30	31	61		62		2	30	51-108
1-Methylnaphthalene			NA								30	0-100
Hexachlorocyclopentadiene	50	50	NA	11	11	22		23		4	30	0- 90
2,4,6-Trichlorophenol	100	100	NA	70	73	70		73		4	30	51-120
2,4,5-Trichlorophenol	100	100	NA	65	70	65		70		7	30	53-120
2-Chloronaphthalene	50	50	NA	33	32	65		65		0.6	30	44-156
Diethyl Adipate	50	50	NA	36	37	73		75		2	30	8-135
2-Nitroaniline	50	50	NA	39	40	78		80		4	30	53-127
Acenaphthylene	50	50	NA	30	30	61		60		0.3	30	51-107
Dimethyl Phthalate	50	50	NA	36	35	73		70		4	30	14-138
2,6-Dinitrotoluene	50	50	NA	42	42	84		84		0.2	30	51-120
Acenaphthene	50	50	NA	31	31	62		62		0.6	30	52-113
3-Nitroaniline	50	50	NA	35	47	70		93		28	30	48-124
2,4-Dinitrophenol	100	100	NA	70	110	70		110	*	45	30	22-155
Dibenzofuran	50	50	NA	32	32	63		64		1	30	54-111
4-Nitrophenol	100	100	NA	46	67	46		67	*	37	30	6-132
2,4-Dinitrotoluene	50	50	NA	38	44	77		87		12	30	50-119

FORM III SV-1

K4728.D & K4729.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/30/2003
Matrix: WATER

Lab ID: WG2641-2 & WG2641-3
Client ID: WG2641-LCS & WG2641-LCSD
SDG: CTO287-3
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Fluorene	50	50	NA	31	34	61	67	9	30	56-115
Diethylphthalate	50	50	NA	28	32	57	63	11	30	31-129
4-Chlorophenyl-phenylether	50	50	NA	30	32	61	65	6	30	56-115
4-Nitroaniline	50	50	NA	38	53	76	105 *	33	30	50-137
4,6-Dinitro-2-Methylphenol	100	100	NA	67	93	67	93 *	33	30	43-151
N-Nitrosodiphenylamine	100	100	NA	54	54	* 54	* 54	0.6	30	67-131
1,2-Diphenylhydrazine	50	50	NA	36	57	73	* 114 *	44	30	0-100
4-Bromophenyl-phenylether	50	50	NA	34	33	68	66	3	30	59-118
Hexachlorobenzene	50	50	NA	33	30	66	61	8	30	55-116
Pentachlorophenol	100	100	NA	58	75	58	75	26	30	38-148
Phenanthrene	50	50	NA	33	32	66	63	4	30	56-117
Anthracene	50	50	NA	34	34	68	67	2	30	56-117
Carbazole	50	50	NA	35	38	70	76	8	30	63-133
Di-n-butylphthalate	50	50	NA	35	34	70	68	4	30	43-136
Fluoranthene	50	50	NA	38	37	75	74	2	30	51-129
Benzidine		50	NA		152		* 304		30	0-100
Pyrene	50	50	NA	40	29	80	58 *	31	30	46-133
Butylbenzylphthalate	50	50	NA	45	31	91	62 *	37	30	31-156
Bis(2-Ethylhexyl)Adipate	50	50	NA	49	36	98	71 *	32	30	52-138
Benzo(a)anthracene	50	50	NA	34	31	68	62	9	30	54-118
Chrysene	50	50	NA	33	31	66	63	6	30	57-119
3,3'-Dichlorobenzidine	50	50	NA	7.9	38	* 16	75 *	130	30	30-128
bis(2-Ethylhexyl)phthalate	50	50	NA	54	34	107	68 *	44	30	43-151
Di-n-octylphthalate	50	50	NA	45	38	91	75	18	30	42-166
Benzo(b)fluoranthene	50	50	NA	32	27	65	55	17	30	48-129
Benzo(k)fluoranthene	50	50	NA	32	28	65	57	13	30	50-126
Benzo(a)pyrene	50	50	NA	34	30	67	61	10	30	52-126
Indeno(1,2,3-cd)pyrene	50	50	NA	24	28	47	55	16	30	46-128
Dibenzo(a,h)anthracene	50	50	NA	29	28	59	55	6	30	45-118
Benzo(g,h,i)perylene	50	50	NA	27	27	55	54	1	30	46-121
Acetophenone	50	50	NA	26	28	51	55	8	30	0-100

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): K4725 Date Analyzed: 06/21/03

Instrument ID: GCMS-K Time Analyzed: 1454

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD		179460	8.10	483914	10.91	205279	15.00
UPPER LIMIT		358920	8.60	967828	11.41	410558	15.50
LOWER LIMIT		89730	7.60	241957	10.41	102640	14.50
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2641-BLANK	WG2641-1	154653	8.10	489705	10.91	202697	15.00
02 WG2641-LCS	WG2641-2	184909	8.10	575615	10.92	249824	15.00
03 WG2641-LCSD	WG2641-3	213097	8.10	634705	10.92	211717	15.00
04 13GLM11I02	WT1148-13RE	154079	8.09	495828	10.91	225877	15.00
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): K4725 Date Analyzed: 06/21/03

Instrument ID: GCMS-K Time Analyzed: 1454

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	256603	18.42	180261	24.69	110277	27.82
UPPER LIMIT	513206	18.92	360522	25.19	220554	28.32
LOWER LIMIT	128302	17.92	90131	24.19	55139	27.32

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG2641-BLANK	WG2641-1	259396	18.42	185677	24.68	155361	27.81
02	WG2641-LCS	WG2641-2	282165	18.43	154549	24.69	100342	27.82
03	WG2641-LCSD	WG2641-3	392373	18.43	312785	24.69	176356	27.82
04	13GLM11I02	WT1148-13RE	325584	18.43	215457	24.69	197469	27.82
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 Panama City CTO-287		JOB NUMBER Job-9061 SOG-2873	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 28-July-03

Sample 13GLM10502 4-methylphenol = 45 ug/L

$$4\text{-methylphenol} = \frac{(139703)(40\,ug/L)(10\,mL)}{(125365)(0.9738)(1020\,mL)} = 0.0449\,ug/mL = 44.9\,ug/L$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-5
Client ID: 13GLM10S02
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	J	2	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol		45	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-5
Client ID: 13GLM10S02
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		70%				
13127-88-3	Phenol-D6		71%				
4165-60-0	Nitrobenzene-D5		95%				
321-60-8	2-Fluorobiphenyl		92%				
118-79-6	2,4,6-Tribromophenol		101%				
1718-51-0	Terphenyl-D14		74%				

Data File: \\Target_server\GG\chem\gcms-k.i\K060903.b\K4518.D
Report Date: 26-Jun-2003 13:43

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-k.i\K060903.b\K4518.D
Lab Smp Id: WT1148-5 Client Smp ID: 13GLM10S02
Inj Date : 10-JUN-2003 02:30 MS Autotune Date: 24-SEP-2001 14:48
Operator : JJC Inst ID: gcms-k.i
Smp Info : WT1148-5
Misc Info : SW846 8270C
Comment :
Method : \\Target_server\GG\chem\gcms-k.i\K060903.b\8270cOLM.m
Meth Date : 26-Jun-2003 13:40 lschwieter Quant Type: ISTD
Cal Date : 09-MAY-2003 18:58 Cal File: K4157.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tetraOLM.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1020.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
DF	1.000	Dilution Factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 4 2-Fluorophenol	112	5.951	5.935	(0.705)	263085	70.5563	69.2
$ 6 Phenol-D6	99	7.967	7.961	(0.943)	315365	71.2362	69.8
7 Phenol	94	7.986	7.980	(0.946)	12108	2.63773	2.59(aQ)
* 12 1,4-Dichlorobenzene-D4	152	8.444	8.448	(1.000)	125365	40.0000	
21 4-Methylphenol	108	9.583	9.578	(1.135)	139703	45.7724	44.9
$ 22 Nitrobenzene-D5	82	9.729	9.734	(0.863)	137481	47.5411	46.6
* 30 Naphthalene-D8	136	11.268	11.272	(1.000)	337151	40.0000	
$ 42 2-Fluorobiphenyl	172	13.898	13.892	(0.904)	197391	46.2033	45.3
* 50 Acenaphthene-D10	164	15.378	15.382	(1.000)	140535	40.0000	
$ 64 2,4,6-Tribromophenol	330	17.268	17.262	(1.123)	66443	101.275	99.3
* 69 Phenanthrene-D10	188	18.816	18.811	(1.000)	167873	40.0000	
$ 77 Terphenyl-D14	244	22.751	22.755	(0.906)	94234	36.9817	36.2
* 81 Chrysene-D12	240	25.108	25.112	(1.000)	113260	40.0000	
* 89 Perylene-D12	264	28.254	28.248	(1.000)	82725	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,4-Dioxane							AVRG					0.000 <-
Pyridine	1.779	2.073	1.770	1.909	1.703	1.754	AVRG		1.83127		7.456	15.000
N-Nitrosodimethylamine	0.832	0.832	0.868	0.886	0.830	0.909	AVRG		0.85933		3.902	15.000
Aniline	1.674	1.744	1.621	1.696	1.533	1.682	AVRG		1.65829		4.402	15.000
Phenol	1.493	1.546	1.464	1.508	1.338	1.438	AVRG		1.46462		4.927	15.000
Bis(2-Chloroethyl)ether	1.307	1.289	1.188	1.198	1.078	1.121	AVRG		1.19676		7.529	15.000
2-Chlorophenol	1.282	1.278	1.236	1.235	1.093	1.172	AVRG		1.21615		5.948	15.000
1,3-Dichlorobenzene	1.413	1.394	1.295	1.345	1.185	1.308	AVRG		1.32329		6.210	15.000
1,4-Dichlorobenzene	1.470	1.435	1.303	1.343	1.191	1.322	AVRG		1.34406		7.415	15.000
1,2-Dichlorobenzene	1.321	1.327	1.194	1.215	1.048	1.126	AVRG		1.20495		9.059	15.000
Benzyl alcohol	0.669	0.714	0.673	0.672	0.556	0.600	AVRG		0.64735		8.934	15.000
2,2'-Oxybis(1-Chloropropane)	2.445	2.507	2.232	2.357	1.993	2.209	AVRG		2.29031		8.139	15.000
2-Methylphenol	1.008	1.051	0.941	0.964	0.845	0.917	AVRG		0.95419		7.554	15.000
Hexachloroethane	0.604	0.601	0.577	0.575	0.471	0.502	AVRG		0.55503		9.943	15.000
N-Nitroso-di-n-propylamine	0.853	0.871	0.792	0.800	0.695	0.714	AVRG		0.78750		9.028	15.000
4-Methylphenol	1.093	1.076	0.959	0.980	0.852	0.883	AVRG		0.97384		10.076	15.000
Nitrobenzene	0.349	0.343	0.374	0.367	0.371	0.398	AVRG		0.36693		5.357	15.000
Isophorone	0.690	0.694	0.676	0.689	0.658	0.708	AVRG		0.68578		2.460	15.000
2-Nitrophenol	15874	36308	103530	203240	256370	382820	LINR	0.16930	4.99521		0.99750	0.99000
2,4-Dimethylphenol	0.361	0.354	0.358	0.352	0.346	0.365	AVRG		0.35620		1.899	15.000
Bis(2-Chloroethoxy)methane	0.462	0.454	0.435	0.441	0.412	0.447	AVRG		0.44181		3.868	15.000
2,4-Dichlorophenol	0.285	0.288	0.291	0.286	0.281	0.287	AVRG		0.28641		1.226	15.000
1,2,4-Trichlorobenzene	0.350	0.326	0.319	0.309	0.312	0.314	AVRG		0.32167		4.721	15.000
Naphthalene	0.978	0.923	0.913	0.892	0.834	0.886	AVRG		0.90448		5.271	15.000
Benzoic acid	11306	30533	91037	182880	228700	340860	LINR	0.18857	5.56664		0.99812	0.99000
4-Chloroaniline	0.377	0.392	0.388	0.385	0.358	0.390	AVRG		0.38182		3.323	15.000
Hexachlorobutadiene	0.190	0.188	0.186	0.175	0.171	0.173	AVRG		0.18054		4.576	15.000
4-Chloro-3-Methylphenol	0.270	0.280	0.293	0.287	0.281	0.307	AVRG		0.28652		4.370	15.000
2-Methylnaphthalene	0.597	0.570	0.540	0.521	0.497	0.539	AVRG		0.54388		6.493	15.000
1-Methylnaphthalene	0.602	0.567	0.488	0.526	0.459	0.491	AVRG		0.52246		10.317	15.000
Hexachlorocyclopentadiene	0.327	0.341	0.385	0.390	0.387	0.430	AVRG		0.37647		9.894	15.000
2,4,6-Trichlorophenol	0.397	0.382	0.415	0.395	0.397	0.424	AVRG		0.40172		3.804	15.000
2,4,5-Trichlorophenol	0.422	0.404	0.448	0.430	0.435	0.464	AVRG		0.43407		4.734	15.000
2-Chloronaphthalene	1.241	1.218	1.153	1.083	1.041	1.132	AVRG		1.14472		6.711	15.000
Diethyl Adipate	0.450	0.418	0.393	0.401	0.358	0.396	AVRG		0.40266		7.514	15.000
2-Nitroaniline	18333	41753	111490	207350	243460	419280	2ORDR	-3e-002	3.00836	-0.4846	0.99604	0.99000
Acenaphthylene	1.874	1.814	1.832	1.722	1.637	1.823	AVRG		1.78364		4.907	15.000
Dimethyl Phthalate	1.377	1.308	1.312	1.251	1.175	1.297	AVRG		1.28669		5.281	15.000
2,6-Dinitrotoluene	10516	25151	73977	134540	168940	263730	LINR	0.21044	3.17162		0.99091	0.99000
Acenaphthene	1.222	1.162	1.108	1.051	1.000	1.134	AVRG		1.11283		7.110	15.000
3-Nitroaniline	11522	26868	77687	141570	174870	287630	2ORDR	2e-002	4.12780	-0.8705	0.99741	0.99000
2,4-Dinitrophenol	2119	5237	23562	48128	67336	116880	2ORDR	0.19995	10.9924	-7.4522	0.99903	0.99000
Dibenzofuran	1.566	1.498	1.485	1.402	1.334	1.494	AVRG		1.46329		5.616	15.000
4-Nitrophenol	5294	13416	45657	79400	100840	175050	2ORDR	6e-002	7.19096	-2.8974	0.99524	0.99000

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Lab File ID: XD968 DFTPP Injection Date: 06/06/03

Instrument ID: GCMS-X DFTPP Injection Time: 1620

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	67.1
70	Less than 2.0% of mass 69	0.7 (1.1)1
127	40.0 - 60.0% of mass 198	49.4
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	7.5
275	10.0 - 30.0% of mass 198	22.5
365	1.0 - 100.0% of mass 198	3.2
441	0.0 - 100.0% of mass 443	8.9 (94.1)2
442	40.0 - 100.0% of mass 198	51.5
443	17.0 - 23.0% of mass 442	9.5 (18.4)3

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

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.25X0606	X2956	06/06/03	1640
02		SSTD3.00X0606	X2957	06/06/03	1723
03		SSTD0.125X0606	X2958	06/06/03	1807
04		SSTD2.50X0606	X2959	06/06/03	1850
05		SSTD0.625X0606	X2960	06/06/03	1933
06		SSTD2.00X0606	X2961	06/06/03	2016
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 CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GCMS-X Calibration Date(s): 06/06/03 06/06/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1640 2016

LAB FILE ID: RF0.125: X2958 RF0.625: X2960 RF1.25: X2956
RF2: X2961 RF2.5: X2959 RF3: X2957

COMPOUND	RF0.125	RF0.625	RF1.25	RF2	RF2.5	RF3	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Naphthalene	0.887	1.088	1.060	1.197	0.994	1.244	AVRG		1.07838		12.153	15.000	
2-Methylnaphthalene	0.596	0.497	0.567	0.597	0.532	0.661	AVRG		0.57512		9.945	15.000	
Acenaphthylene	1.131	1.432	1.242	1.203	1.332	1.348	AVRG		1.28130		8.534	15.000	
Acenaphthene	0.684	0.760	0.690	0.825	0.717	0.738	AVRG		0.73585		7.145	30.000	
Fluorene	0.655	0.767	0.866	0.755	0.869	0.858	AVRG		0.79522		10.738	15.000	
Phenanthrene	0.917	1.005	0.927	1.134	1.245	1.083	AVRG		1.05170		12.112	15.000	
Anthracene	1.093	1.325	0.880	1.173	1.204	1.092	AVRG		1.12791		13.178	15.000	
Fluoranthene	1.012	1.016	0.812	0.979	1.097	0.925	AVRG		0.97357		9.952	30.000	
Pyrene	1.250	1.429	1.253	1.560	1.526	1.591	AVRG		1.43471		10.595	15.000	
Benzo(a)anthracene	1246	4619	25752	21327	28304	35394	2ORDR	5e-002	1.21687	-9e-002	0.99256	0.99000	
Chrysene	1.307	1.375	1.237	1.365	1.332	1.706	AVRG		1.38696		11.813	15.000	
Benzo(b)fluoranthene	1.288	1.283	1.382	1.585	1.656	1.825	AVRG		1.50331		14.683	15.000	
Benzo(k)fluoranthene	1.859	2.066	1.696	2.078	2.167	2.174	AVRG		2.00688		9.471	15.000	
Benzo(a)pyrene	1.308	1.430	1.222	1.366	1.481	1.597	AVRG		1.40081		9.460	30.000	
Indeno(1,2,3-cd)pyrene	0.810	0.787	0.866	0.918	1.010	1.139	AVRG		0.92161		14.464	15.000	
Dibenzo(a,h)anthracene	0.978	0.984	0.907	1.052	1.112	1.195	AVRG		1.03808		9.998	15.000	
Benzo(g,h,i)perylene	1.284	1.302	1.159	1.464	1.494	1.544	AVRG		1.37460		10.844	15.000	
1-Methylnaphthalene	0.922	0.845	0.970	0.936	0.855	1.046	AVRG		0.92893		8.055	15.000	
Carbazole							AVRG					0.000	<-
2-Methylnaphthalene-d10	0.465	0.538	0.607	0.556	0.517	0.593	AVRG		0.54591		9.481	35.000	
Fluorene-d10	0.598	0.653	0.689	0.639	0.689	0.727	AVRG		0.66577		6.783	35.000	
Pyrene-d10	0.890	1.148	0.914	1.182	1.024	1.109	AVRG		1.04449		11.705	35.000	
Nitrobenzene-D5	0.083	0.174	0.226	0.236	0.266	0.319	AVRG		0.21739		37.308	35.000	<-
2-Fluorobiphenyl	1.095	1.292	0.984	1.134	1.216	1.252	AVRG		1.16238		9.802	35.000	
Terphenyl-D14	1.081	1.150	0.819	0.964	0.954	1.102	AVRG		1.01181		12.079	35.000	

Average %RSD test result.

Calculate Average %RSD: 12.28143787
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG2354-BLANK	WG2354-1B	51	85	76						0
02	WG2354-LCSD	WG2354-5	40	92	102						0
03	WG2354-LCS	WG2354-4	61	150	95						0
04	WG2353-BLANK	WG2353-1B	54	82	70						0
05	WG2353-LCS	WG2353-4	60	97	79						0
06	WG2353-LCSD	WG2353-5	47	90	85						0
07	WG2367-BLANK	WG2367-1B	64	81	83						0
08	WG2367-LCS	WG2367-2	68	102	80						0
09	WG2367-LCSD	WG2367-3	63	98	71						0
10	03GLM0502	WT1148-2	59	94	71						0
11	13GLM03D02	WT1148-4	54	91	78						0
12	13GLM10S02	WT1148-6	73	14*	100						1
13	13GLM10S02D	WT1148-8	111	13*	136						1
14	13GLM10I02	WT1148-10	59	90	70						0
15	13GLM11S02	WT1148-12	58	76	74						0
16	13GLM11I02	WT1148-14	56	100	70						0
17	13GLM08S02	WT1160-2	75	68	77						0
18	13GLM08I02	WT1160-4	56	68	69						0
19	13GLM15S02	WT1160-6	59	58	76						0
20	13GLM15I02	WT1160-8	63	86	67						0
21	13GLM14I02	WT1160-10	61	81	59						0
22	13GLM04S02	WT1160-13	59	96	70						0
23	13GLM04I02	WT1160-15	70	101	65						0
24	13GLM06S02	WT1160-17	56	87	75						0
25	13GLM06I02	WT1160-19	74	106	69						0
26	13GLM06I02D	WT1160-21	60	91	61						0
27	13RL051603	WT1160-23	63	91	75						0
28	13GLM12I02	WT1160-26	58	90	63						0

		QC LIMITS
S1	= 2-Methylnaphthalene-d1	(30-150)
S2	= Fluorene-d10	(30-150)
S3	= Pyrene-d10	(30-150)

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

FORM 2

WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	13GLM12I02D	WT1160-28	66	101	69						0
02	13GLM10S02D	WT1148-8DL	D	D	D						0
03	13GLM10S02	WT1148-6DL2	D	D	D						0
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											

		QC LIMITS
S1	= 2-Methylnaphthalene-d1	(30-150)
S2	= Fluorene-d10	(30-150)
S3	= Pyrene-d10	(30-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

FORM II SV-1

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: XD973 DFTPP Injection Date: 06/13/03

Instrument ID: GCMS-X DFTPP Injection Time: 1109

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	45.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	52.4
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	40.9
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	7.0
275	10.0 - 30.0% of mass 198	23.4
365	1.0 - 100.0% of mass 198	3.4
441	0.0 - 100.0% of mass 443	9.5 (84.4)2
442	40.0 - 100.0% of mass 198	60.3
443	17.0 - 23.0% of mass 442	11.3 (18.7)3

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

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.25X0613	X3036	06/13/03	1129
02	WG2367-BLANK	WG2367-1B	X3037	06/13/03	1224
03	WG2367-LCS	WG2367-2	X3038	06/13/03	1306
04	WG2367-LCSD	WG2367-3	X3039	06/13/03	1349
05	03GLM0502	WT1148-2	X3040	06/13/03	1432
06	13GLM03D02	WT1148-4	X3041	06/13/03	1515
07	13GLM10S02	WT1148-6	X3042	06/13/03	1558
08	13GLM10S02D	WT1148-8	X3043	06/13/03	1641
09	13GLM10I02	WT1148-10	X3044	06/13/03	1724
10	13GLM11S02	WT1148-12	X3045	06/13/03	1807
11	13GLM11I02	WT1148-14	X3046	06/13/03	1850
12	13GLM08S02	WT1160-2	X3047	06/13/03	1932
13	13GLM08I02	WT1160-4	X3048	06/13/03	2015
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-X Calibration Date: 06/13/03 Time: 1129

Lab File ID: X3036 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.6328900	0.6328900	0.01	-41.29		AVRG
2-Methylnaphthalene	0.5750000	0.3858300	0.3858300	0.01	-32.90		AVRG
Acenaphthylene	1.2810000	0.9910400	0.9910400	0.01	-22.64		AVRG
Acenaphthene	0.7360000	0.7232700	0.7232700	0.01	-1.73	20.00	AVRG
Fluorene	0.7950000	0.6796300	0.6796300	0.01	-14.51		AVRG
Phenanthrene	1.0520000	0.8546900	0.8546900	0.01	-18.76		AVRG
Anthracene	1.1280000	0.8581100	0.8581100	0.01	-23.93		AVRG
Fluoranthene	0.9740000	0.8778100	0.8778100	0.01	-9.88	20.00	AVRG
Pyrene	1.4350000	1.1411000	1.1411000	0.01	-20.48		AVRG
Benzo(a)anthracene	1.1094000	1.2500000	0.7713300	0.01	-11.25		2RDR
Chrysene	1.3870000	1.3253000	1.3253000	0.01	-4.45		AVRG
Benzo(b)fluoranthene	1.5030000	1.1341000	1.1341000	0.01	-24.54		AVRG
Benzo(k)fluoranthene	2.0070000	1.9576000	1.9576000	0.01	-2.46		AVRG
Benzo(a)pyrene	1.4010000	1.2910000	1.2910000	0.01	-7.85	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.6988200	0.6988200	0.01	-24.21		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.8312400	0.8312400	0.01	-19.92		AVRG
Benzo(g,h,i)perylene	1.3740000	1.1797000	1.1797000	0.01	-14.14		AVRG
1-Methylnaphthalene	0.9290000	0.7205200	0.7205200	0.01	-22.44		AVRG
2-Methylnaphthalene-d10	0.5460000	0.4376200	0.4376200	0.01	-19.85		AVRG
Fluorene-d10	0.6660000	0.5267700	0.5267700	0.01	-20.90		AVRG
Pyrene-d10	1.0440000	0.9129200	0.9129200	0.01	-12.56		AVRG

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/22/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2367-1B
Client ID: WG2367-Blank
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		64%				
81103-79-9	Fluorene-d10		81%				
1718-52-1	Pyrene-d10		83%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/22/03
Analysis Date: 06/13/03
Report Date: 06/26/2003
Matrix: WATER

Lab ID: WG2367-2 & WG2367-3
Client ID: WG2367-LCS & WG2367-LCSD
SDG: CTO287-3
Extracted by: MF
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2367
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Naphthalene	2.0	2.0	NA	0.85	0.79	42	39		7	30	30-150
2-Methylnaphthalene	2.0	2.0	NA	1.2	2.0	60	98	*	48	30	30-150
Acenaphthylene	2.0	2.0	NA	1.2	1.1	58	54		8	30	30-150
Acenaphthene	2.0	2.0	NA	1.8	1.4	88	71		21	30	30-150
Fluorene	2.0	2.0	NA	1.4	1.4	72	70		3	30	30-150
Phenanthrene	2.0	2.0	NA	1.0	1.1	50	54		7	30	30-150
Anthracene	2.0	2.0	NA	0.98	1.0	49	52		6	30	30-150
Fluoranthene	2.0	2.0	NA	1.2	1.3	62	66		7	30	30-150
Pyrene	2.0	2.0	NA	1.1	0.97	54	48		11	30	30-150
Benzo(a)anthracene	2.0	2.0	NA	1.4	1.3	71	65		9	30	30-150
Chrysene	2.0	2.0	NA	1.3	1.1	66	56		16	30	30-150
Benzo(b)fluoranthene	2.0	2.0	NA	1.1	1.0	54	52		3	30	30-150
Benzo(k)fluoranthene	2.0	2.0	NA	1.2	1.3	58	64		8	30	30-150
Benzo(a)pyrene	2.0	2.0	NA	1.1	1.1	56	56		0.0	30	30-150
Indeno(1,2,3-cd)pyrene	2.0	2.0	NA	1.0	0.95	52	48		9	30	30-150
Dibenzo(a,h)anthracene	2.0	2.0	NA	1.1	0.93	54	47		15	30	30-150
Benzo(g,h,i)perylene	2.0	2.0	NA	1.0	0.86	52	43		20	30	30-150

FORM III SV-1

X3038.D & X3039.D

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): X3036 Date Analyzed: 06/13/03

Instrument ID: GCMS-X Time Analyzed: 1129

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		3352	7.38	18623	10.20	10722	14.28
UPPER LIMIT		6704	7.88	37246	10.70	21444	14.78
LOWER LIMIT		1676	6.88	9312	9.70	5361	13.78
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2367-BLANK	WG2367-1B	3853	7.39	14627	10.20	8884	14.28
02	WG2367-LCS	WG2367-2	3206	7.37	14896	10.20	6064	14.28
03	WG2367-LCSD	WG2367-3	3624	7.37	16242	10.20	7251	14.28
04	03GLM05S02	WT1148-2	4032	7.38	15270	10.20	6129	14.28
05	13GLM03D02	WT1148-4	4186	7.38	16500	10.20	8457	14.28
06	13GLM10S02	WT1148-6	4866	7.37	22883	10.20	68466*	14.28
07	13GLM10S02D	WT1148-8	3031	7.38	13102	10.19	64117*	14.28
08	13GLM10I02	WT1148-10	3862	7.38	18514	10.20	8751	14.28
09	13GLM11S02	WT1148-12	4131	7.38	15911	10.20	9929	14.28
10	13GLM11I02	WT1148-14	4923	7.37	20133	10.20	10683	14.28
11	13GLM08S02	WT1160-2	3035	7.38	12089	10.20	8673	14.28
12	13GLM08I02	WT1160-4	3527	7.38	15541	10.20	10134	14.28
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): X3036 Date Analyzed: 06/13/03

Instrument ID: GCMS-X Time Analyzed: 1129

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		12541	17.76	8299	24.02	4548	27.12
UPPER LIMIT		25082	18.26	16598	24.52	9096	27.62
LOWER LIMIT		6271	17.26	4150	23.52	2274	26.62
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2367-BLANK	WG2367-1B	11066	17.76	7273	24.02	4194	27.12
02	WG2367-LCS	WG2367-2	10473	17.76	6340	24.02	4154	27.12
03	WG2367-LCSD	WG2367-3	11538	17.76	8292	24.02	4728	27.12
04	03GLM0502	WT1148-2	7360	17.76	5430	24.02	3022	27.12
05	13GLM03D02	WT1148-4	9875	17.76	6747	24.02	4290	27.12
06	13GLM10S02	WT1148-6	14760	17.76	8452	24.02	6203	27.12
07	13GLM10S02D	WT1148-8	10118	17.76	6176	24.02	4670	27.12
08	13GLM10I02	WT1148-10	13682	17.76	8581	24.02	5399	27.12
09	13GLM11S02	WT1148-12	11447	17.76	8653	24.02	5859	27.12
10	13GLM11I02	WT1148-14	14793	17.76	11447	24.02	7121	27.12
11	13GLM08S02	WT1160-2	10018	17.76	7042	24.02	4543	27.12
12	13GLM08I02	WT1160-4	13449	17.76	9127	24.02	5116	27.12
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: XD974 DFTPP Injection Date: 06/14/03

Instrument ID: GCMS-X DFTPP Injection Time: 0932

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	57.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	64.8
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	51.6
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	7.7
275	10.0 - 30.0% of mass 198	20.1
365	1.0 - 100.0% of mass 198	3.6
441	0.0 - 100.0% of mass 443	8.0 (90.9)2
442	40.0 - 100.0% of mass 198	45.7
443	17.0 - 23.0% of mass 442	8.8 (19.3)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		SSTD1.25X0614	X3053	06/14/03	1003
02	13GLM15S02	WT1160-6	X3054	06/14/03	1051
03	13GLM15I02	WT1160-8	X3055	06/14/03	1133
04	13GLM14I02	WT1160-10	X3056	06/14/03	1216
05	13GLM04S02	WT1160-13	X3057	06/14/03	1258
06	13GLM04I02	WT1160-15	X3058	06/14/03	1340
07	13GLM06S02	WT1160-17	X3059	06/14/03	1423
08	13GLM06I02	WT1160-19	X3060	06/14/03	1505
09	13GLM06I02D	WT1160-21	X3061	06/14/03	1548
10	13RL051603	WT1160-23	X3062	06/14/03	1631
11	13GLM12I02	WT1160-26	X3063	06/14/03	1713
12	13GLM12I02D	WT1160-28	X3064	06/14/03	1755
13	13GLM10S02D	WT1148-8DL	X3067	06/14/03	2003
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-X Calibration Date: 06/14/03 Time: 1003

Lab File ID: X3053 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.7500600	0.7500600	0.01	-30.42		AVRG
2-Methylnaphthalene	0.5750000	0.4044700	0.4044700	0.01	-29.66		AVRG
Acenaphthylene	1.2810000	1.1063000	1.1063000	0.01	-13.64		AVRG
Acenaphthene	0.7360000	0.7471700	0.7471700	0.01	1.52	20.00	AVRG
Fluorene	0.7950000	0.8107900	0.8107900	0.01	1.99		AVRG
Phenanthrene	1.0520000	1.1301000	1.1301000	0.01	7.42		AVRG
Anthracene	1.1280000	1.0490000	1.0490000	0.01	-7.00		AVRG
Fluoranthene	0.9740000	1.1050000	1.1050000	0.01	13.45	20.00	AVRG
Pyrene	1.4350000	1.2857000	1.2857000	0.01	-10.40		AVRG
Benzo(a)anthracene	1.6754000	1.2500000	1.2545000	0.01	34.03		2RDR
Chrysene	1.3870000	1.5641000	1.5641000	0.01	12.77		AVRG
Benzo(b)fluoranthene	1.5030000	1.6690000	1.6690000	0.01	11.04		AVRG
Benzo(k)fluoranthene	2.0070000	2.5663000	2.5663000	0.01	27.87		AVRG
Benzo(a)pyrene	1.4010000	1.6176000	1.6176000	0.01	15.46	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.8157300	0.8157300	0.01	-11.53		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.8127900	0.8127900	0.01	-21.70		AVRG
Benzo(g,h,i)perylene	1.3740000	1.1141000	1.1141000	0.01	-18.92		AVRG
1-Methylnaphthalene	0.9290000	0.7206200	0.7206200	0.01	-22.43		AVRG
2-Methylnaphthalene-d10	0.5460000	0.4958100	0.4958100	0.01	-9.19		AVRG
Fluorene-d10	0.6660000	0.7296500	0.7296500	0.01	9.56		AVRG
Pyrene-d10	1.0440000	1.0935000	1.0935000	0.01	4.74		AVRG

FORM VII PEST

FORM 8

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): X3053 Date Analyzed: 06/14/03

Instrument ID: GCMS-X Time Analyzed: 1003

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	4835	7.37	19863	10.19	8731	14.28
UPPER LIMIT	9670	7.87	39726	10.69	17462	14.78
LOWER LIMIT	2418	6.87	9932	9.69	4366	13.78

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	13GLM15S02	WT1160-6	4371	7.37	16393	10.20	9476	14.28
02	13GLM15I02	WT1160-8	4126	7.37	12042	10.20	7455	14.28
03	13GLM14I02	WT1160-10	4611	7.37	16834	10.19	10768	14.28
04	13GLM04S02	WT1160-13	4216	7.37	14114	10.20	7092	14.28
05	13GLM04I02	WT1160-15	4208	7.37	12232	10.20	7243	14.28
06	13GLM06S02	WT1160-17	4564	7.37	15274	10.20	6320	14.28
07	13GLM06I02	WT1160-19	4286	7.37	14550	10.20	6316	14.28
08	13GLM06I02D	WT1160-21	5013	7.37	16803	10.20	7417	14.28
09	13RL051603	WT1160-23	5289	7.37	15167	10.20	7206	14.28
10	13GLM12I02	WT1160-26	4950	7.36	14308	10.20	8097	14.28
11	13GLM12I02D	WT1160-28	4308	7.37	11921	10.19	6069	14.28
12	13GLM10S02D	WT1148-8DL	4514	7.37	11460	10.20	6717	14.28
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): X3053 Date Analyzed: 06/14/03

Instrument ID: GCMS-X Time Analyzed: 1003

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		9460	17.76	5415	24.02	3052	27.12
UPPER LIMIT		18920	18.26	10830	24.52	6104	27.62
LOWER LIMIT		4730	17.26	2708	23.52	1526	26.62
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	13GLM15S02	WT1160-6	9073	17.76	4707	24.02	2109	27.12
02	13GLM15I02	WT1160-8	8992	17.76	5496	24.02	3233	27.12
03	13GLM14I02	WT1160-10	9854	17.76	7505	24.02	4455	27.12
04	13GLM04S02	WT1160-13	11652	17.76	6580	24.02	3358	27.12
05	13GLM04I02	WT1160-15	8108	17.76	6053	24.02	2989	27.12
06	13GLM06S02	WT1160-17	8899	17.76	4138	24.02	1891	27.12
07	13GLM06I02	WT1160-19	8796	17.76	4814	24.02	2399	27.12
08	13GLM06I02D	WT1160-21	9549	17.76	5916	24.02	2764	27.12
09	13RL051603	WT1160-23	9458	17.76	4962	24.02	2148	27.12
10	13GLM12I02	WT1160-26	8031	17.76	4967	24.02	2550	27.12
11	13GLM12I02D	WT1160-28	7032	17.76	4632	24.02	2116	27.12
12	13GLM10S02D	WT1148-8DL	9425	17.76	5271	24.02	3204	27.12
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID: XD976 DFTPP Injection Date: 06/16/03

Instrument ID: GCMS-X DFTPP Injection Time: 1549

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	66.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.9
197	Less than 1.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.9
275	10.0 - 30.0% of mass 198	23.0
365	1.0 - 100.0% of mass 198	3.5
441	0.0 - 100.0% of mass 443	7.2 (81.5)2
442	40.0 - 100.0% of mass 198	46.0
443	17.0 - 23.0% of mass 442	8.9 (19.3)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		SSTD1.25X0616	X3072	06/16/03	1609
02	13GLM10S02	WT1148-6DL2	X3076	06/16/03	1903
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Instrument ID: GCMS-X Calibration Date: 06/16/03 Time: 1609

Lab File ID: X3072 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	1.2737000	1.2737000	0.01	18.15		AVRG
2-Methylnaphthalene	0.5750000	0.6349400	0.6349400	0.01	10.42		AVRG
Acenaphthylene	1.2810000	1.1165000	1.1165000	0.01	-12.84		AVRG
Acenaphthene	0.7360000	0.8820800	0.8820800	0.01	19.85	20.00	AVRG
Fluorene	0.7950000	0.8473500	0.8473500	0.01	6.58		AVRG
Phenanthrene	1.0520000	0.6828700	0.6828700	0.01	-35.09		AVRG
Anthracene	1.1280000	0.9330500	0.9330500	0.01	-17.28		AVRG
Fluoranthene	0.9740000	0.8243500	0.8243500	0.01	-15.36	20.00	AVRG
Pyrene	1.4350000	1.2456000	1.2456000	0.01	-13.20		AVRG
Benzo(a)anthracene	0.9677300	1.2500000	0.6601500	0.01	-22.58		2RDR
Chrysene	1.3870000	1.2800000	1.2800000	0.01	-7.71		AVRG
Benzo(b)fluoranthene	1.5030000	1.3150000	1.3150000	0.01	-12.51		AVRG
Benzo(k)fluoranthene	2.0070000	2.0409000	2.0409000	0.01	1.69		AVRG
Benzo(a)pyrene	1.4010000	1.3992000	1.3992000	0.01	-0.13	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.8105300	0.8105300	0.01	-12.09		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.8897400	0.8897400	0.01	-14.28		AVRG
Benzo(g,h,i)perylene	1.3740000	1.3238000	1.3238000	0.01	-3.65		AVRG
1-Methylnaphthalene	0.9290000	0.8861600	0.8861600	0.01	-4.61		AVRG
2-Methylnaphthalene-d10	0.5460000	0.5347800	0.5347800	0.01	-2.05		AVRG
Fluorene-d10	0.6660000	0.7054200	0.7054200	0.01	5.92		AVRG
Pyrene-d10	1.0440000	0.9854900	0.9854900	0.01	-5.60		AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): X3072 Date Analyzed: 06/16/03

Instrument ID: GCMS-X Time Analyzed: 1609

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		4153	7.34	13041	10.17	7778	14.25
UPPER LIMIT		8306	7.84	26082	10.67	15556	14.75
LOWER LIMIT		2077	6.84	6521	9.67	3889	13.75
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM10S02	WT1148-6DL2	4362	7.33	9602	10.17	6558	14.25
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-3

Lab File ID (Standard): X3072 Date Analyzed: 06/16/03

Instrument ID: GCMS-X Time Analyzed: 1609

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		10033	17.72	6163	23.98	3070	27.08
UPPER LIMIT		20066	18.22	12326	24.48	6140	27.58
LOWER LIMIT		5017	17.22	3082	23.48	1535	26.58
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM10S02	WT1148-6DL2	11240	17.72	5920	23.98	2872	27.08
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 Panama City CTO-287		JOB NUMBER Job-9061 SPG-2873	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 28-July-03

Sample- 13GLM10502 2-methylnaphthalene = 40 ug/L

$$\text{2-methylnaphthalene} = \frac{(14259)(0.8\,ug/mL)(1.0\,mL)(20)}{(9602)(0.575)(1020\,mL)} = 0.0405\,ug/mL = 40.5\,ug/L$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/16/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1148-6DL2
Client ID: 13GLM10S02
SDG: CTO287-3
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		33	20	0.20	3.9	0.98
91-57-6	2-Methylnaphthalene		40	20	0.20	3.9	1.6
208-96-8	Acenaphthylene	U	3.9	20	0.20	3.9	0.98
83-32-9	Acenaphthene	J	2.2	20	0.20	3.9	1.6
86-73-7	Fluorene	U	3.9	20	0.20	3.9	1.2
85-01-8	Phenanthrene	U	3.9	20	0.20	3.9	1.6
120-12-7	Anthracene	U	3.9	20	0.20	3.9	1.6
206-44-0	Fluoranthene	U	3.9	20	0.20	3.9	2.2
129-00-0	Pyrene	U	3.9	20	0.20	3.9	1.8
56-55-3	Benzo(a)anthracene	U	3.9	20	0.20	3.9	2.4
218-01-9	Chrysene	U	3.9	20	0.20	3.9	1.4
205-99-2	Benzo(b)fluoranthene	U	3.9	20	0.20	3.9	1.8
207-08-9	Benzo(k)fluoranthene	U	3.9	20	0.20	3.9	1.6
50-32-8	Benzo(a)pyrene	U	3.9	20	0.20	3.9	1.8
193-39-5	Indeno(1,2,3-cd)pyrene	U	3.9	20	0.20	3.9	2.0
53-70-3	Dibenzo(a,h)anthracene	U	3.9	20	0.20	3.9	2.9
191-24-2	Benzo(g,h,i)perylene	U	3.9	20	0.20	3.9	1.6
90-12-0	1-Methylnaphthalene		15	20	0.20	3.9	1.6
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

Data File: \\Target_server\GG\chem\gcms-x.i\X061603.b\X3076.D
Report Date: 26-Jun-2003 15:48

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-x.i\X061603.b\X3076.D
Lab Smp Id: WT1148-6DL2 Client Smp ID: 13GLM10S02
Inj Date : 16-JUN-2003 19:03 MS Autotune Date: 21-FEB-2002 09:20
Operator : JJC Inst ID: gcms-x.i
Smp Info : WT1148-6DL2
Misc Info : SW846 M8270C
Comment :
Method : \\Target_server\GG\chem\gcms-x.i\X061603.b\simall.m
Meth Date : 26-Jun-2003 12:52 jcasarin Quant Type: ISTD
Cal Date : 06-JUN-2003 20:16 Cal File: X2961.D
Als bottle: 6
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: simtetra.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1020.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
DF	20.000	Dilution Factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-D4	152	7.333	7.341	(1.000)	4362	0.80000	(a)
* 2 Naphthalene-D8	136	10.169	10.169	(1.000)	9602	0.80000	(a)
4 Naphthalene	128	10.200	10.199	(1.003)	21771	1.68203	33.0(M)
6 2-Methylnaphthalene	142	11.857	11.857	(1.166)	14259	2.06565	40.5(M)
7 1-Methylnaphthalene	142	12.072	12.072	(1.187)	8524	0.76452	15.0
* 10 Acenaphthene-D10	164	14.248	14.248	(1.000)	6558	0.80000	(a)
11 Acenaphthene	153	14.305	14.306	(1.004)	665	0.11024	2.16(aM)
* 14 Phenanthrene-D10	188	17.716	17.717	(1.000)	11240	0.80000	(a)
* 23 Chrysene-D12	240	23.976	23.975	(1.000)	5920	0.80000	(a)
* 28 Perylene-D12	264	27.081	27.081	(1.000)	2872	0.80000	(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GCMS-X Calibration Date(s): 06/06/03 06/06/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1640 2016

LAB FILE ID: RF0.125: X2958 RF0.625: X2960 RF1.25: X2956
RF2: X2961 RF2.5: X2959 RF3: X2957

COMPOUND	RF0.125	RF0.625	RF1.25	RF2	RF2.5	RF3	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Naphthalene	0.887	1.088	1.060	1.197	0.994	1.244	AVRG		1.07838		12.153	15.000	
2-Methylnaphthalene	0.596	0.497	0.567	0.597	0.532	0.661	AVRG		0.57512		9.945	15.000	
Acenaphthylene	1.131	1.432	1.242	1.203	1.332	1.348	AVRG		1.28130		8.534	15.000	
Acenaphthene	0.684	0.760	0.690	0.825	0.717	0.738	AVRG		0.73585		7.145	30.000	
Fluorene	0.655	0.767	0.866	0.755	0.869	0.858	AVRG		0.79522		10.738	15.000	
Phenanthrene	0.917	1.005	0.927	1.134	1.245	1.083	AVRG		1.05170		12.112	15.000	
Anthracene	1.093	1.325	0.880	1.173	1.204	1.092	AVRG		1.12791		13.178	15.000	
Fluoranthene	1.012	1.016	0.812	0.979	1.097	0.925	AVRG		0.97357		9.952	30.000	
Pyrene	1.250	1.429	1.253	1.560	1.526	1.591	AVRG		1.43471		10.595	15.000	
Benzo(a)anthracene	1246	4619	25752	21327	28304	35394	2ORDR	5e-002	1.21687	-9e-002	0.99256	0.99000	
Chrysene	1.307	1.375	1.237	1.365	1.332	1.706	AVRG		1.38696		11.813	15.000	
Benzo(b)fluoranthene	1.288	1.283	1.382	1.585	1.656	1.825	AVRG		1.50331		14.683	15.000	
Benzo(k)fluoranthene	1.859	2.066	1.696	2.078	2.167	2.174	AVRG		2.00688		9.471	15.000	
Benzo(a)pyrene	1.308	1.430	1.222	1.366	1.481	1.597	AVRG		1.40081		9.460	30.000	
Indeno(1,2,3-cd)pyrene	0.810	0.787	0.866	0.918	1.010	1.139	AVRG		0.92161		14.464	15.000	
Dibenzo(a,h)anthracene	0.978	0.984	0.907	1.052	1.112	1.195	AVRG		1.03808		9.998	15.000	
Benzo(g,h,i)perylene	1.284	1.302	1.159	1.464	1.494	1.544	AVRG		1.37460		10.844	15.000	
1-Methylnaphthalene	0.922	0.845	0.970	0.936	0.855	1.046	AVRG		0.92893		8.055	15.000	
Carbazole							AVRG					0.000	<-
2-Methylnaphthalene-d10	0.465	0.538	0.607	0.556	0.517	0.593	AVRG		0.54591		9.481	35.000	
Fluorene-d10	0.598	0.653	0.689	0.639	0.689	0.727	AVRG		0.66577		6.783	35.000	
Pyrene-d10	0.890	1.148	0.914	1.182	1.024	1.109	AVRG		1.04449		11.705	35.000	
Nitrobenzene-D5	0.083	0.174	0.226	0.236	0.266	0.319	AVRG		0.21739		37.308	35.000	<-
2-Fluorobiphenyl	1.095	1.292	0.984	1.134	1.216	1.252	AVRG		1.16238		9.802	35.000	
Terphenyl-D14	1.081	1.150	0.819	0.964	0.954	1.102	AVRG		1.01181		12.079	35.000	

Average %RSD test result.

Calculate Average %RSD: 12.28143787
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

GC Column: RTX-CLPI ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/09/03

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 17.85 TCX: 4.99

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	EVAL	EVAL	06/09/03	1517		
02	ICAL	INDAB 0.05PP	06/09/03	1630	17.85	4.99
03	ICAL	INDAB 0.005P	06/09/03	1657	17.85	4.99
04	ICAL	INDAB 0.01PP	06/09/03	1724	17.85	4.99
05	ICAL	INDAB 0.025P	06/09/03	1751	17.85	4.99
06	ICAL	INDAB 0.10PP	06/09/03	1818	17.84	4.99
07	ICAL	INDAB 0.25PP	06/09/03	1845	17.84	4.99
08	INDSOURCE	INDAB 0.05PP	06/09/03	1912		
09	ICAL	TOX 1.0PPM	06/09/03	1939		
10	ICAL	CHLOR 0.5PPM	06/09/03	2006		
11	WG2334-BLANK	WG2334-1	06/09/03	2342	17.85	4.99
12	WG2334-LCS	WG2334-2	06/10/03	0010	17.84	5.00
13	WG2334-LCSD	WG2334-3	06/10/03	0037	17.84	4.99
14	03GLM0502	WT1148-1	06/10/03	0601	17.84	4.99
15	CV	INDAB 0.05PP	06/10/03	0842	17.84	4.99
16						
17						
18						
19						
20						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 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: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

GC Column: RTX-CLPII ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/09/03

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 21.89 TCX: 5.96

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	EVAL	EVAL	06/09/03	1517		
02	ICAL	INDAB 0.05PP	06/09/03	1630	21.91	5.96
03	ICAL	INDAB 0.005P	06/09/03	1657	21.89	5.96
04	ICAL	INDAB 0.01PP	06/09/03	1724	21.89	5.96
05	ICAL	INDAB 0.025P	06/09/03	1751	21.89	5.96
06	ICAL	INDAB 0.10PP	06/09/03	1818	21.89	5.96
07	ICAL	INDAB 0.25PP	06/09/03	1845	21.89	5.96
08	INDSOURCE	INDAB 0.05PP	06/09/03	1912		
09	ICAL	TOX 1.0PPM	06/09/03	1939		
10	ICAL	CHLOR 0.5PPM	06/09/03	2006		
11	WG2334-BLANK	WG2334-1	06/09/03	2342	21.89	5.96
12	WG2334-LCS	WG2334-2	06/10/03	0010	21.91	5.97
13	WG2334-LCSD	WG2334-3	06/10/03	0037	21.89	5.96
14	03GLM0502	WT1148-1	06/10/03	0601	21.89	5.96
15	CV	INDAB 0.05PP	06/10/03	0842	21.89	5.96
16						
17						
18						
19						
20						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPI ID: 0.53 (mm) Calibration Time(s): 1140 1845

LAB FILE ID: RF0.005: 8TB3179 RF0.01: 8TB3180 RF0.025: 8TB3181
RF0.05: 8TB3178 RF0.1: 8TB3182 RF0.25: 8TB3183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
alpha-BHC	12542	24649	71843	165260	291910	680360	2ORDR	1.e-003	3e-007	9e-014	0.99946	0.99000
gamma BHC	12444	25048	67550	156520	284620	666440	2ORDR	1.e-003	3e-007	8e-014	0.99964	0.99000
Heptachlor	17890	33479	82427	164360	296160	668210	2ORDR	-5e-004	3.e-007	1e-013	0.99986	0.99000
beta-BHC	6072	11618	30786	68317	122280	301210	2ORDR	1e-004	8e-007	2e-013	0.99953	0.99000
Aldrin	15952	31509	78100	161150	304810	666620	2ORDR	6e-004	3e-007	1e-013	0.99996	0.99000
delta-BHC	4076	8640	27125	86515	156900	432900	2ORDR	3.e-003	6e-007	-1e-013	0.99834	0.99000
Heptachlor Epoxide	15573	29893	72339	137300	260430	581050	2ORDR	-4e-004	3e-007	1e-013	0.99999	0.99000
Endosulfan I	15598	29961	71908	136390	255080	547230	2ORDR	-2e-004	3e-007	2e-013	1.00000	0.99000
4,4'-DDE	10401	20023	46863	98608	177230	443190	2ORDR	-9e-004	5e-007	4e-014	0.99959	0.99000
Dieldrin	11482	22443	58563	120560	229830	515690	2ORDR	6e-004	4e-007	2e-013	0.99997	0.99000
Endrin	10119	19501	51014	104340	200510	447060	2ORDR	7.e-004	4e-007	2e-013	0.99997	0.99000
4,4'-DDD	1886	4008	12711	41042	70220	211980	2ORDR	3e-003	1e-006	-1e-012	0.99749	0.99000
Endosulfan II	7964	15585	40308	87188	158670	376640	2ORDR	2e-004	6e-007	2e-013	0.99975	0.99000
4,4'-DDT	3496	7270	21403	57610	102970	278730	2ORDR	2e-003	9e-007	-2e-013	0.99887	0.99000
Endrin Aldehyde	4184	7462	19045	40227	72750	178120	2ORDR	-5e-004	1e-006	5e-013	0.99968	0.99000
Endosulfan sulfate	2326	4899	15040	40966	73887	209080	2ORDR	2e-003	1e-006	-8e-013	0.99883	0.99000
Methoxychlor	1362	2388	6973	13719	27782	65253	2ORDR	8e-004	3e-006	6e-012	0.99993	0.99000
Toxaphene	3150	7713	13374	24661	55846	108810	2ORDR	-1e-002	4e-005	8e-011	0.99970	0.99000
(2)	3436	8813	15682	30727	71933	147490	2ORDR	1e-002	3e-005	3e-011	0.99960	0.99000
(3)	3395	8813	16049	32132	76028	156060	2ORDR	2e-002	3e-005	2e-011	0.99960	0.99000
(4)	4480	11396	21379	42949	101320	207180	2ORDR	2e-002	2e-005	1e-011	0.99961	0.99000
(5)	4271	11168	21476	44278	110810	226760	2ORDR	4e-002	2.e-005	8e-012	0.99974	0.99000
(6)	3372	8897	17058	35239	87503	184570	2ORDR	5e-002	3e-005	1e-011	0.99953	0.99000
(7)	5031	13697	27209	55550	135620	275230	2ORDR	4e-002	2e-005	7e-012	0.99972	0.99000
(8)	2383	6730	13489	29269	77111	165600	2ORDR	7e-002	3e-005	8e-012	0.99946	0.99000
(9)	2586	6794	13814	29085	75649	163080	2ORDR	7e-002	3e-005	1.e-011	0.99937	0.99000
(10)	3403	8855	16219	32164	77618	158410	2ORDR	2e-002	3e-005	2.e-011	0.99968	0.99000
alpha-Chlordane	14862	28105	68386	135230	245340	541950	2ORDR	-3e-004	4e-007	2e-013	0.99993	0.99000
gamma-Chlordane	15243	28823	70661	139880	250710	577420	2ORDR	-8e-004	4e-007	1e-013	0.99978	0.99000
Endrin Ketone	4996	10025	26824	63268	109600	276680	2ORDR	4e-004	9e-007	1e-013	0.99907	0.99000
Tetrachloro-m-Xylene	13229	23752	57405	115470	209060	470760	2ORDR	-5e-004	4e-007	2e-013	0.99988	0.99000
Decachlorobiphenyl	11476	21069	47184	88494	145610	319280	2ORDR	-2e-003	6e-007	7e-013	0.99916	0.99000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPII ID: 0.53 (mm) Calibration Time(s): 1140 1845

LAB FILE ID: RF0.005: 8TB4179 RF0.01: 8TB4180 RF0.025: 8TB4181
RF0.05: 8TB4178 RF0.1: 8TB4182 RF0.25: 8TB4183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
alpha-BHC	11498	24118	67534	145060	277540	627650	2ORDR	1e-003	3e-007	1e-013	0.99990	0.99000
gamma BHC	11018	22685	61686	129130	245880	558630	2ORDR	9e-004	4e-007	1e-013	0.99994	0.99000
Heptachlor	10247	19504	49853	102960	184860	437760	2ORDR	-4e-004	5.e-007	2e-013	0.99971	0.99000
beta-BHC	6675	12486	29793	60533	112580	250930	2ORDR	-8e-005	8e-007	8e-013	0.99996	0.99000
Aldrin	9591	18788	48018	101260	193820	440190	2ORDR	7.e-004	5e-007	2e-013	0.99995	0.99000
delta-BHC	5854	12247	35751	91122	169620	428910	2ORDR	2e-003	6e-007	3e-014	0.99941	0.99000
Heptachlor Epoxide	8624	16452	40945	81251	155240	346620	2ORDR	2e-004	6e-007	4.e-013	1.00000	0.99000
Endosulfan I	7276	13829	34559	67251	129500	295720	2ORDR	-1e-004	7e-007	4e-013	1.00000	0.99000
4,4'-DDE	7434	14420	36131	73418	140950	324830	2ORDR	2e-004	7e-007	3e-013	0.99999	0.99000
Dieldrin	7018	13729	35313	70415	139570	327070	2ORDR	4e-004	7e-007	2e-013	0.99999	0.99000
Endrin	6685	12911	32789	66021	128530	286020	2ORDR	6e-004	7.e-007	6e-013	0.99996	0.99000
4,4'-DDD	3895	7860	21530	49573	95079	237060	2ORDR	1e-003	1.e-006	1e-013	0.99979	0.99000
Endosulfan II	6784	13169	33186	67228	126350	286400	2ORDR	1e-004	7e-007	5e-013	0.99997	0.99000
4,4'-DDT	5109	10065	26195	58030	112650	273850	2ORDR	9e-004	9e-007	2.e-013	0.99990	0.99000
Endrin Aldehyde	6397	11051	26913	55166	100950	228010	2ORDR	-3e-004	9e-007	9.e-013	0.99990	0.99000
Endosulfan sulfate	3809	7799	20353	47215	83043	213500	2ORDR	2e-004	1e-006	5.e-014	0.99922	0.99000
Methoxychlor	2723	5389	14096	30322	55350	132310	2ORDR	2.e-004	2e-006	2e-012	0.99976	0.99000
Toxaphene	224	1073	1325	2437	7050	15791	2ORDR	7e-002	3e-004	9e-010	0.99843	0.99000
(2)	274	909	1247	2258	7342	16848	2ORDR	0.11460	3e-004	1e-009	0.99762	0.99000
(3)	546	1387	2487	5534	17162	41475	2ORDR	0.13852	1e-004	-6e-011	0.99803	0.99000
(4)	1053	2668	4818	10314	28296	63486	2ORDR	9e-002	8e-005	4e-011	0.99889	0.99000
(5)	309	672	952	2569	9527	24224	2ORDR	0.19951	2e-004	-2e-010	0.99658	0.99000
(6)	4270	10272	19693	39188	95346	192430	2ORDR	3e-002	2e-005	2e-011	0.99962	0.99000
(7)	2688	7261	14460	29470	77660	162180	2ORDR	6e-002	3e-005	1e-011	0.99954	0.99000
(8)	1310	3603	7162	14480	41596	92336	2ORDR	1e-001	5e-005	2e-011	0.99894	0.99000
(9)	800	2201	4249	9191	27976	66499	2ORDR	0.12739	8e-005	-3e-011	0.99844	0.99000
(10)	1640	4464	9016	18863	53543	118270	2ORDR	9e-002	4e-005	6e-012	0.99920	0.99000
alpha-Chlordane	7968	15246	37477	73350	140110	314680	2ORDR	-6e-005	6e-007	5e-013	1.00000	0.99000
gamma-Chlordane	8296	15809	39100	78037	151380	347220	2ORDR	1e-004	6e-007	3.e-013	1.00000	0.99000
Endrin Ketone	4828	9766	25577	57285	100240	245630	2ORDR	9e-005	9e-007	4e-013	0.99934	0.99000
Tetrachloro-m-Xylene	11628	21775	50024	99405	180560	395170	2ORDR	-5e-004	5e-007	4e-013	0.99994	0.99000
Decachlorobiphenyl	10075	18273	41270	75911	137180	297420	2ORDR	-1e-003	6e-007	7e-013	0.99990	0.99000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVI Contract: CSS PANAMA CITY CTO287

Lab Code: KAS Case No.: SAS No.: SDG No.: CTO287-3

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPI ID: 0.53 (mm) Calibration Time(s): 1140 1845

LAB FILE ID: RF0.005: 8TB3179 RF0.01: 8TB3180 RF0.025: 8TB3181
RF0.05: 8TB3178 RF0.1: 8TB3182 RF0.25: 8TB3183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25
alpha-BHC	12542	24649	71843	165260	291910	680360
gamma BHC	12444	25048	67550	156520	284620	666440
Heptachlor	17890	33479	82427	164360	296160	668210
beta-BHC	6072	11618	30786	68317	122280	301210
Aldrin	15952	31509	78100	161150	304810	666620
delta-BHC	4076	8640	27125	86515	156900	432900
Heptachlor Epoxide	15573	29893	72339	137300	260430	581050
Endosulfan I	15598	29961	71908	136390	255080	547230
4,4'-DDE	10401	20023	46863	98608	177230	443190
Dieldrin	11482	22443	58563	120560	229830	515690
Endrin	10119	19501	51014	104340	200510	447060
4,4'-DDD	1886	4008	12711	41042	70220	211980
Endosulfan II	7964	15585	40308	87188	158670	376640
4,4'-DDT	3496	7270	21403	57610	102970	278730
Endrin Aldehyde	4184	7462	19045	40227	72750	178120
Endosulfan sulfate	2326	4899	15040	40966	73887	209080
Methoxychlor	1362	2388	6973	13719	27782	65253
Toxaphene	3150	7713	13374	24661	55846	108810
(2)	3436	8813	15682	30727	71933	147490
(3)	3395	8813	16049	32132	76028	156060
(4)	4480	11396	21379	42949	101320	207180
(5)	4271	11168	21476	44278	110810	226760
(6)	3372	8897	17058	35239	87503	184570
(7)	5031	13697	27209	55550	135620	275230
(8)	2383	6730	13489	29269	77111	165600
(9)	2586	6794	13814	29085	75649	163080
(10)	3403	8855	16219	32164	77618	158410
alpha-Chlordane	14862	28105	68386	135230	245340	541950
gamma-Chlordane	15243	28823	70661	139880	250710	577420
Endrin Ketone	4996	10025	26824	63268	109600	276680
Tetrachloro-m-Xylene	13229	23752	57405	115470	209060	470760
Decachlorobiphenyl	11476	21069	47184	88494	145610	319280

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVI Contract: CSS PANAMA CITY CTO287

Lab Code: KAS Case No.: SAS No.: SDG No.: CTO287-3

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPI ID: 0.53 (mm) Calibration Time(s): 1140 1845

RF0: 8TB3184

COMPOUND	RF0	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MA
alpha-BHC		2ORDR	1.048e-003	3.055e-007	8.925e-014	0.9994600	0
gamma BHC		2ORDR	1.048e-003	3.197e-007	8.104e-014	0.9996400	0
Heptachlor		2ORDR	-4.84e-004	3.015e-007	1.102e-013	0.9998600	0
beta-BHC		2ORDR	1.248e-004	7.748e-007	1.841e-013	0.9995300	0
Aldrin		2ORDR	6.13e-004	2.873e-007	1.3e-013	0.9999600	0
delta-BHC		2ORDR	3.012e-003	6.197e-007	-1.13e-013	0.9983400	0
Heptachlor Epoxide		2ORDR	-4.04e-004	3.471e-007	1.444e-013	0.9999900	0
Endosulfan I		2ORDR	-2.03e-004	3.368e-007	2.2e-013	1.0000000	0
4,4'-DDE		2ORDR	-9.42e-004	5.483e-007	4.167e-014	0.9995900	0
Dieldrin		2ORDR	6.379e-004	3.917e-007	1.779e-013	0.9999700	0
Endrin		2ORDR	6.964e-004	4.477e-007	2.457e-013	0.9999700	0
4,4'-DDD		2ORDR	2.525e-003	1.403e-006	-1.11e-012	0.9974900	0
Endosulfan II		2ORDR	2.084e-004	5.858e-007	2.066e-013	0.9997500	0
4,4'-DDT		2ORDR	1.663e-003	9.484e-007	-2.04e-013	0.9988700	0
Endrin Aldehyde		2ORDR	-4.54e-004	1.313e-006	5.288e-013	0.9996800	0
Endosulfan sulfate		2ORDR	1.804e-003	1.347e-006	-7.59e-013	0.9988300	0
Methoxychlor		2ORDR	7.871e-004	3.436e-006	5.858e-012	0.9999300	0
Toxaphene	188310	2ORDR	-1.15e-002	3.856e-005	7.696e-011	0.9997000	0
(2)	265270	2ORDR	1.186e-002	3.084e-005	2.532e-011	0.9996000	0
(3)	280850	2ORDR	2.176e-002	2.91e-005	2.258e-011	0.9996000	0
(4)	371260	2ORDR	2.405e-002	2.173e-005	1.367e-011	0.9996100	0
(5)	417830	2ORDR	3.819e-002	2.048e-005	7.935e-012	0.9997400	0
(6)	340610	2ORDR	4.526e-002	2.555e-005	1.057e-011	0.9995300	0
(7)	497340	2ORDR	3.752e-002	1.639e-005	7.228e-012	0.9997200	0
(8)	312370	2ORDR	7.259e-002	2.915e-005	8.158e-012	0.9994600	0
(9)	304380	2ORDR	6.885e-002	2.939e-005	1.032e-011	0.9993700	0
(10)	286960	2ORDR	2.213e-002	2.883e-005	2.043e-011	0.9996800	0
alpha-Chlordane		2ORDR	-3.49e-004	3.57e-007	1.94e-013	0.9999300	0
gamma-Chlordane		2ORDR	-7.67e-004	3.629e-007	1.243e-013	0.9997800	0
Endrin Ketone		2ORDR	3.524e-004	8.622e-007	1.481e-013	0.9990700	0
Tetrachloro-m-Xylene		2ORDR	-5.09e-004	4.282e-007	2.215e-013	0.9998800	0
Decachlorobiphenyl		2ORDR	-2.02e-003	5.732e-007	6.82e-013	0.9991600	0

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVI Contract: CSS PANAMA CITY CTO287

Lab Code: KAS Case No.: SAS No.: SDG No.: CTO287-3

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPII ID: 0.53 (mm) Calibration Time(s): 1140 1845

LAB FILE ID: RF0.005: 8TB4179 RF0.01: 8TB4180 RF0.025: 8TB4181
RF0.05: 8TB4178 RF0.1: 8TB4182 RF0.25: 8TB4183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25
alpha-BHC	11498	24118	67534	145060	277540	627650
gamma BHC	11018	22685	61686	129130	245880	558630
Heptachlor	10247	19504	49853	102960	184860	437760
beta-BHC	6675	12486	29793	60533	112580	250930
Aldrin	9591	18788	48018	101260	193820	440190
delta-BHC	5854	12247	35751	91122	169620	428910
Heptachlor Epoxide	8624	16452	40945	81251	155240	346620
Endosulfan I	7276	13829	34559	67251	129500	295720
4,4'-DDE	7434	14420	36131	73418	140950	324830
Dieldrin	7018	13729	35313	70415	139570	327070
Endrin	6685	12911	32789	66021	128530	286020
4,4'-DDD	3895	7860	21530	49573	95079	237060
Endosulfan II	6784	13169	33186	67228	126350	286400
4,4'-DDT	5109	10065	26195	58030	112650	273850
Endrin Aldehyde	6397	11051	26913	55166	100950	228010
Endosulfan sulfate	3809	7799	20353	47215	83043	213500
Methoxychlor	2723	5389	14096	30322	55350	132310
Toxaphene	224	1073	1325	2437	7050	15791
(2)	274	909	1247	2258	7342	16848
(3)	546	1387	2487	5534	17162	41475
(4)	1053	2668	4818	10314	28296	63486
(5)	309	672	952	2569	9527	24224
(6)	4270	10272	19693	39188	95346	192430
(7)	2688	7261	14460	29470	77660	162180
(8)	1310	3603	7162	14480	41596	92336
(9)	800	2201	4249	9191	27976	66499
(10)	1640	4464	9016	18863	53543	118270
alpha-Chlordane	7968	15246	37477	73350	140110	314680
gamma-Chlordane	8296	15809	39100	78037	151380	347220
Endrin Ketone	4828	9766	25577	57285	100240	245630
Tetrachloro-m-Xylene	11628	21775	50024	99405	180560	395170
Decachlorobiphenyl	10075	18273	41270	75911	137180	297420

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVI Contract: CSS PANAMA CITY CTO287

Lab Code: KAS Case No.: SAS No.: SDG No.: CTO287-3

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPII ID: 0.53 (mm) Calibration Time(s): 1140 1845

RF0: 8TB4184

COMPOUND	RF0	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MA
alpha-BHC		2ORDR	1.294e-003	3.241e-007	1.148e-013	0.9999000	0
gamma BHC		2ORDR	8.934e-004	3.685e-007	1.386e-013	0.9999400	0
Heptachlor		2ORDR	-3.79e-004	5.018e-007	1.615e-013	0.9997100	0
beta-BHC		2ORDR	-8.3e-005	7.944e-007	8.068e-013	0.9999600	0
Aldrin		2ORDR	6.983e-004	4.707e-007	2.171e-013	0.9999500	0
delta-BHC		2ORDR	1.825e-003	5.649e-007	3.238e-014	0.9994100	0
Heptachlor Epoxide		2ORDR	1.601e-004	5.815e-007	4.016e-013	1.0000000	0
Endosulfan I		2ORDR	-1.05e-004	7.155e-007	4.405e-013	1.0000000	0
4,4'-DDE		2ORDR	2.114e-004	6.599e-007	3.36e-013	0.9999900	0
Dieldrin		2ORDR	3.602e-004	6.821e-007	2.477e-013	0.9999900	0
Endrin		2ORDR	5.862e-004	7.025e-007	5.915e-013	0.9999600	0
4,4'-DDD		2ORDR	1.136e-003	1.021e-006	1.219e-013	0.9997900	0
Endosulfan II		2ORDR	1.442e-004	7.191e-007	5.358e-013	0.9999700	0
4,4'-DDT		2ORDR	8.579e-004	8.562e-007	1.957e-013	0.9999000	0
Endrin Aldehyde		2ORDR	-3.07e-004	8.93e-007	9.e-013	0.9999000	0
Endosulfan sulfate		2ORDR	1.678e-004	1.161e-006	4.952e-014	0.9992200	0
Methoxychlor		2ORDR	2.039e-004	1.689e-006	1.509e-012	0.9997600	0
Toxaphene	29442	2ORDR	6.682e-002	3.101e-004	8.821e-010	0.9984300	0
(2)	30802	2ORDR	0.11460370	2.843e-004	1.135e-009	0.9976200	0
(3)	81942	2ORDR	0.13852099	1.245e-004	-5.62e-011	0.9980300	0
(4)	119660	2ORDR	8.828e-002	7.73e-005	4.371e-011	0.9988900	0
(5)	48018	2ORDR	0.19951335	2.128e-004	-2.01e-010	0.9965800	0
(6)	341150	2ORDR	3.318e-002	2.286e-005	1.839e-011	0.9996200	0
(7)	298790	2ORDR	6.112e-002	2.879e-005	1.468e-011	0.9995400	0
(8)	173810	2ORDR	9.687e-002	5.273e-005	2.323e-011	0.9989400	0
(9)	132920	2ORDR	0.12738841	7.802e-005	-3.02e-011	0.9984400	0
(10)	227680	2ORDR	9.114e-002	4.194e-005	6.401e-012	0.9992000	0
alpha-Chlordane		2ORDR	-6.04e-005	6.494e-007	4.616e-013	1.0000000	0
gamma-Chlordane		2ORDR	1.07e-004	6.156e-007	2.996e-013	1.0000000	0
Endrin Ketone		2ORDR	8.853e-005	9.32e-007	3.518e-013	0.9993400	0
Tetrachloro-m-Xylene		2ORDR	-4.95e-004	4.826e-007	3.835e-013	0.9999400	0
Decachlorobiphenyl		2ORDR	-1.31e-003	6.312e-007	7.209e-013	0.9999000	0

FORM VI SV

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

GC Column: RTX-CLPI ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/09/03

Client Sample ID (PEM): EVAL Date Analyzed :06/09/03
Lab Sample ID (PEM): EVAL Time Analyzed :1517

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	8TF1091.d	6.17	0.54

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

GC Column: RTX-CLPII ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/09/03

Client Sample ID (PEM): EVAL Date Analyzed :06/09/03
Lab Sample ID (PEM): EVAL Time Analyzed :1517

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	8TF2091.d	6.35	0.84

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC08 Calibration Date: 06/09/03 Time: 1912

Lab File ID: 8TF1098 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPI ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Endosulfan I	5.15e-002	5.e-002	2810000.0	0.01	3.00	15.00	2RDR	
gamma BHC	4.88e-002	5.e-002	2883700.0	0.01	-2.40	15.00	2RDR	
beta-BHC	5.01e-002	5.e-002	1271100.0	0.01	0.20	15.00	2RDR	
delta-BHC	4.42e-002	5.e-002	1344400.0	0.01	-11.60	15.00	2RDR	
Heptachlor	5.01e-002	5.e-002	3171000.0	0.01	0.20	15.00	2RDR	
Aldrin	5.05e-002	5.e-002	3236100.0	0.01	1.00	15.00	2RDR	
Heptachlor Epoxide	5.2e-002	5.e-002	2851300.0	0.01	4.00	15.00	2RDR	
gamma-Chlordane	5.09e-002	5.e-002	2721400.0	0.01	1.80	15.00	2RDR	
alpha-Chlordane	4.95e-002	5.e-002	2606200.0	0.01	-1.00	15.00	2RDR	
4,4'-DDE	4.58e-002	5.e-002	1696600.0	0.01	-8.40	15.00	2RDR	
alpha-BHC	4.82e-002	5.e-002	2962200.0	0.01	-3.60	15.00	2RDR	
Dieldrin	4.92e-002	5.e-002	2355100.0	0.01	-1.60	15.00	2RDR	
Endrin	5.24e-002	5.e-002	2178000.0	0.01	4.80	15.00	2RDR	
4,4'-DDD	4.09e-002	5.e-002	559460.00	0.01	-18.20	15.00	2RDR	<-
Endosulfan II	4.98e-002	5.e-002	1644100.0	0.01	-0.40	15.00	2RDR	
4,4'-DDT	4.69e-002	5.e-002	963480.00	0.01	-6.20	15.00	2RDR	
Endrin Aldehyde	4.87e-002	5.e-002	738000.00	0.01	-2.60	15.00	2RDR	
Methoxychlor	4.99e-002	5.e-002	279240.00	0.01	-0.20	15.00	2RDR	
Endosulfan sulfate	4.85e-002	5.e-002	708160.00	0.01	-3.00	15.00	2RDR	
Endrin Ketone	4.98e-002	5.e-002	1136100.0	0.01	-0.40	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC08 Calibration Date: 06/09/03 Time: 1912

Lab File ID: 8TF2098 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPII ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4,4'-DDE	5.02e-002	5.e-002	1459800.0	0.01	0.40	15.00	2RDR
gamma BHC	5.03e-002	5.e-002	2560400.0	0.01	0.60	15.00	2RDR
beta-BHC	5.03e-002	5.e-002	1195500.0	0.01	0.60	15.00	2RDR
delta-BHC	4.96e-002	5.e-002	1684500.0	0.01	-0.80	15.00	2RDR
Heptachlor	5.01e-002	5.e-002	1951600.0	0.01	0.20	15.00	2RDR
Aldrin	4.95e-002	5.e-002	1983900.0	0.01	-1.00	15.00	2RDR
Heptachlor Epoxide	5.04e-002	5.e-002	1635500.0	0.01	0.80	15.00	2RDR
gamma-Chlordane	4.96e-002	5.e-002	1550700.0	0.01	-0.80	15.00	2RDR
alpha-Chlordane	5.08e-002	5.e-002	1487100.0	0.01	1.60	15.00	2RDR
Endosulfan I	5.2e-002	5.e-002	1396400.0	0.01	4.00	15.00	2RDR
alpha-BHC	4.96e-002	5.e-002	2840000.0	0.01	-0.80	15.00	2RDR
Dieldrin	5.13e-002	5.e-002	1454500.0	0.01	2.60	15.00	2RDR
Endrin	5.35e-002	5.e-002	1420400.0	0.01	7.00	15.00	2RDR
4,4'-DDD	4.78e-002	5.e-002	908700.00	0.01	-4.40	15.00	2RDR
Endosulfan II	5.02e-002	5.e-002	1327600.0	0.01	0.40	15.00	2RDR
4,4'-DDT	4.87e-002	5.e-002	1103400.0	0.01	-2.60	15.00	2RDR
Endrin Aldehyde	4.82e-002	5.e-002	1031600.0	0.01	-3.60	15.00	2RDR
Endosulfan sulfate	5.01e-002	5.e-002	859260.00	0.01	0.20	15.00	2RDR
Methoxychlor	4.83e-002	5.e-002	555340.00	0.01	-3.40	15.00	2RDR
Endrin Ketone	5.19e-002	5.e-002	1089000.0	0.01	3.80	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC08 Calibration Date: 06/10/03 Time: 0842

Lab File ID: 8TF1128 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPI ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	5.08e-002	5.e-002	3116100.0	0.01	1.60	15.00	2RDR	
gamma BHC	4.98e-002	5.e-002	2942200.0	0.01	-0.40	15.00	2RDR	
Heptachlor	5.25e-002	5.e-002	3311900.0	0.01	5.00	15.00	2RDR	
beta-BHC	4.89e-002	5.e-002	1241000.0	0.01	-2.20	15.00	2RDR	
Aldrin	5.19e-002	5.e-002	3317300.0	0.01	3.80	15.00	2RDR	
delta-BHC	4.72e-002	5.e-002	1445000.0	0.01	-5.60	15.00	2RDR	
Heptachlor Epoxide	5.08e-002	5.e-002	2787400.0	0.01	1.60	15.00	2RDR	
Endosulfan I	5.31e-002	5.e-002	2892800.0	0.01	6.20	15.00	2RDR	
4,4'-DDE	4.66e-002	5.e-002	1722500.0	0.01	-6.80	15.00	2RDR	
Dieldrin	5.03e-002	5.e-002	2404500.0	0.01	0.60	15.00	2RDR	
Endrin	5.06e-002	5.e-002	2106700.0	0.01	1.20	15.00	2RDR	
4,4'-DDD	3.99e-002	5.e-002	544740.00	0.01	-20.20	15.00	2RDR	<-
Endosulfan II	5.11e-002	5.e-002	1688400.0	0.01	2.20	15.00	2RDR	
4,4'-DDT	4.54e-002	5.e-002	932100.00	0.01	-9.20	15.00	2RDR	
Endrin Aldehyde	5.1e-002	5.e-002	771360.00	0.01	2.00	15.00	2RDR	
Endosulfan sulfate	5.55e-002	5.e-002	816580.00	0.01	11.00	15.00	2RDR	
Methoxychlor	3.95e-002	5.e-002	221120.00	0.01	-21.00	15.00	2RDR	<-
alpha-Chlordane	5.05e-002	5.e-002	2655400.0	0.01	1.00	15.00	2RDR	
gamma-Chlordane	5.01e-002	5.e-002	2679800.0	0.01	0.20	15.00	2RDR	
Endrin Ketone	5.49e-002	5.e-002	1251700.0	0.01	9.80	15.00	2RDR	
Tetrachloro-m-Xylene	4.95e-002	5.e-002	2207500.0	0.01	-1.00	15.00	2RDR	
Decachlorobiphenyl	4.81e-002	5.e-002	1596800.0	0.01	-3.80	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC08 Calibration Date: 06/10/03 Time: 0842

Lab File ID: 8TF2128 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPII ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.03e-002	5.e-002	2874500.0	0.01	0.60	15.00	2RDR
gamma BHC	5.03e-002	5.e-002	2559300.0	0.01	0.60	15.00	2RDR
Heptachlor	5.41e-002	5.e-002	2100600.0	0.01	8.20	15.00	2RDR
beta-BHC	5.15e-002	5.e-002	1222400.0	0.01	3.00	15.00	2RDR
Aldrin	4.97e-002	5.e-002	1991700.0	0.01	-0.60	15.00	2RDR
delta-BHC	5.3e-002	5.e-002	1801400.0	0.01	6.00	15.00	2RDR
Heptachlor Epoxide	5.e-002	5.e-002	1622200.0	0.01	0.00	15.00	2RDR
Endosulfan I	5.15e-002	5.e-002	1382500.0	0.01	3.00	15.00	2RDR
4,4'-DDE	4.89e-002	5.e-002	1424900.0	0.01	-2.20	15.00	2RDR
Dieldrin	5.19e-002	5.e-002	1472800.0	0.01	3.80	15.00	2RDR
Endrin	5.09e-002	5.e-002	1355400.0	0.01	1.80	15.00	2RDR
4,4'-DDD	4.82e-002	5.e-002	917600.00	0.01	-3.60	15.00	2RDR
Endosulfan II	5.11e-002	5.e-002	1348500.0	0.01	2.20	15.00	2RDR
4,4'-DDT	4.97e-002	5.e-002	1125400.0	0.01	-0.60	15.00	2RDR
Endrin Aldehyde	4.96e-002	5.e-002	1061600.0	0.01	-0.80	15.00	2RDR
Endosulfan sulfate	5.64e-002	5.e-002	966620.00	0.01	12.80	15.00	2RDR
Methoxychlor	4.99e-002	5.e-002	573360.00	0.01	-0.20	15.00	2RDR
alpha-Chlordane	5.03e-002	5.e-002	1472800.0	0.01	0.60	15.00	2RDR
gamma-Chlordane	5.01e-002	5.e-002	1564600.0	0.01	0.20	15.00	2RDR
Endrin Ketone	5.62e-002	5.e-002	1176900.0	0.01	12.40	15.00	2RDR
Tetrachloro-m-Xylene	5.14e-002	5.e-002	1993400.0	0.01	2.80	15.00	2RDR
Decachlorobiphenyl	5.14e-002	5.e-002	1535700.0	0.01	2.80	15.00	2RDR

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/09/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2334-1
Client ID: WG2334-Blank
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2334
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.025
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.022
76-44-8	Heptachlor	U	0.050	1.0	0.050	0.050	0.024
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.042
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.022
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.029
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.023
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.018
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.028
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.017
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.018
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.028
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.016
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.030
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.021
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.023
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.045
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.92
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.019
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.019
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.020
877-09-8	Tetrachloro-m-Xylene		51%				
2051-24-3	Decachlorobiphenyl		58%				

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

GC Column(1): RTX-CLPI ID: 0.53 (mm) GC Column(2): RTX-CLPII 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	WG2334-BLANK	WG2334-1	50	51	55	58			0
02	WG2334-LCS	WG2334-2	54	57	58	59			0
03	WG2334-LCSD	WG2334-3	58	61	57	60			0
04	03GLM0502	WT1148-1	59	64	50	50			0
05									
06									
07									
08									
09									
10									
11									
12									
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23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-Xylene (40- 93)
S2 (DCB) = Decachlorobiphenyl (16-134)

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

FORM II PEST-1

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/10/03
Report Date: 06/16/2003
Matrix: WATER

Lab ID: WG2334-2 & WG2334-3
Client ID: WG2334-LCS & WG2334-LCSD
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2334
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
alpha-BHC	0.50	0.50	NA	0.35	0.36	69	71	3	30	52-118
gamma BHC	0.50	0.50	NA	0.37	0.37	74	74	0.5	30	57-123
Heptachlor	0.50	0.50	NA	0.37	0.35	74	69	6	30	40-139
beta-BHC	0.50	0.50	NA	0.42	0.38	83	76	8	30	59-136
Aldrin	0.50	0.50	NA	0.37	0.35	74	71	4	30	54-116
delta-BHC	0.50	0.50	NA	0.41	0.38	82	* 75	8	30	77-127
Heptachlor Epoxide	0.50	0.50	NA	0.43	0.41	86	81	6	30	70-126
Endosulfan I	0.50	0.50	NA	0.41	0.38	81	76	6	30	65-127
4,4'-DDE	0.50	0.50	NA	0.44	0.41	87	81	7	30	69-124
Dieldrin	0.50	0.50	NA	0.45	0.41	90	83	9	30	76-127
Endrin	0.50	0.50	NA	0.47	0.44	93	87	7	30	84-132
4,4'-DDD	0.50	0.50	NA	0.46	0.40	91	* 81	12	30	83-123
Endosulfan II	0.50	0.50	NA	0.43	0.40	85	81	5	30	79-129
4,4'-DDT	0.50	0.50	NA	0.42	0.40	* 84	* 80	5	30	86-124
Endrin Aldehyde	0.50	0.50	NA	0.44	0.42	89	* 84	6	30	88-136
Endosulfan sulfate	0.50	0.50	NA	0.45	0.41	90	* 82	10	30	90-129
Methoxychlor	0.50	0.50	NA	0.50	0.45	100	91	10	30	76-168
alpha-Chlordane	0.50	0.50	NA	0.43	0.41	86	82	5	30	64-128
gamma-Chlordane	0.50	0.50	NA	0.43	0.40	86	80	7	30	64-125
Endrin Ketone	0.50	0.50	NA	0.48	0.43	95	* 86	11	30	87-132

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

GC Column: ZB-5 ID: 0.53 (mm) Init. Calib. Date(s): 05/10/03 05/10/03

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.47 DCB: 19.79

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	05/10/03	1007	6.47	19.79
02	ICAL	AR1660 0.05P	05/10/03	1036	6.47	19.79
03	ICAL	AR1660 0.1PP	05/10/03	1104	6.47	19.79
04	ICAL	AR1660 0.25P	05/10/03	1132	6.47	19.79
05	ICAL	AR1660 2.5PP	05/10/03	1201	6.47	19.79
06	ICAL	AR1660 10PPM	05/10/03	1229	6.47	19.79
07	IND SOURCE	AR1016 1.0PP	05/10/03	1258		
08	IND SOURCE	AR1260 1.0PP	05/10/03	1326		
09	ICAL	AR1242 1.0PP	05/10/03	1355		
10	ICAL	AR1248 1.0PP	05/10/03	1645		
11	ICAL	AR1254 1.0PP	05/10/03	1936		
12	AR1254 TYPE	AR1254 TYPE	05/10/03	2226		
13	ICAL	AR1221 1.0PP	05/10/03	2254		
14	ICAL	AR1232 1.0PP	05/10/03	2323		
15	CV	AR1660 1.0PP	06/07/03	1001	6.46	19.77
16	WG2335-BLANK	WG2335-1	06/07/03	1304	6.48	19.78
17	WG2335-LCS	WG2335-2	06/07/03	1333	6.46	19.77
18	03GLM0502	WT1148-1	06/07/03	1623	6.45	19.76
19	CV	AR1660 1.0PP	06/07/03	2135	6.45	19.76
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 VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

GC Column: ZB-35 ID: 0.53 (mm) Init. Calib. Date(s): 05/10/03 05/10/03

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.09 DCB: 17.01

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	05/10/03	1007	4.07	17.01
02	ICAL	AR1660 0.05P	05/10/03	1036	4.08	17.02
03	ICAL	AR1660 0.1PP	05/10/03	1104	4.07	17.02
04	ICAL	AR1660 0.25P	05/10/03	1132	4.07	17.02
05	ICAL	AR1660 2.5PP	05/10/03	1201	4.07	17.01
06	ICAL	AR1660 10PPM	05/10/03	1229	4.07	17.01
07	IND SOURCE	AR1016 1.0PP	05/10/03	1258		
08	IND SOURCE	AR1260 1.0PP	05/10/03	1326		
09	ICAL	AR1242 1.0PP	05/10/03	1355		
10	ICAL	AR1248 1.0PP	05/10/03	1645		
11	ICAL	AR1254 1.0PP	05/10/03	1936		
12	AR1254 TYPE	AR1254 TYPE	05/10/03	2226		
13	ICAL	AR1221 1.0PP	05/10/03	2254		
14	ICAL	AR1232 1.0PP	05/10/03	2323		
15	CV	AR1660 1.0PP	06/07/03	1001	4.07	16.97
16	WG2335-BLANK	WG2335-1	06/07/03	1304	4.07	16.97
17	WG2335-LCS	WG2335-2	06/07/03	1333	4.07	16.97
18	03GLM0502	WT1148-1	06/07/03	1623	4.06	16.96
19	CV	AR1660 1.0PP	06/07/03	2135	4.07	16.96
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 VIII PEST

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC06 Calibration Date(s): 05/10/03 05/10/03

Column: ZB-5 ID: 0.53 (mm) Calibration Time(s): 1007 2158

LAB FILE ID: RF0.05: 6TE1123 RF0.1: 6TE1124 RF0.25: 6TE1125
RF1: 6TE1122 RF2.5: 6TE1126 RF10: 6TE1127

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	872	1742	4006	14841	30908	104070	2ORDR	-3e-002	7e-005	2e-010	0.99981	0.99000	
(2)	1476	2889	6375	22313	45496	146800	2ORDR	-4e-002	5e-005	1e-010	0.99978	0.99000	
(3)	2030	4109	9671	39992	86436	302780	2ORDR	-2e-002	3e-005	2e-011	0.99987	0.99000	
(4)	658	1348	3196	13981	31623	115780	2ORDR	-6e-003	8e-005	1e-010	0.99993	0.99000	
(5)	768	1551	3687	14500	31687	111700	2ORDR	-2e-002	7e-005	1e-010	0.99989	0.99000	
Aroclor-1221							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
Aroclor-1232							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
(5)							2ORDR					0.00000	<-
Aroclor-1242	692	1340	3269	12596	25887	88241	2ORDR	-3e-002	9e-005	3.e-010	0.99975	0.99000	
(2)	1134	2146	4952	18392	36380	120020	2ORDR	-4e-002	6.e-005	2e-010	0.99964	0.99000	
(3)	838	1626	3926	15754	32103	111380	2ORDR	-3e-002	7e-005	2e-010	0.99970	0.99000	
(4)	1489	2917	7284	31162	66776	245460	2ORDR	-2e-002	4e-005	2e-011	0.99981	0.99000	
(5)	912	1774	4334	18011	37893	135400	2ORDR	-2e-002	6e-005	9e-011	0.99978	0.99000	
Aroclor-1248	673	1220	2757	9655	20408	65906	2ORDR	-4e-002	1e-004	7e-010	0.99988	0.99000	
(2)	1170	2011	4640	18223	41858	149650	2ORDR	-2e-002	6e-005	7e-011	0.99997	0.99000	
(3)	1235	2189	5050	19576	43777	150960	2ORDR	-2e-002	5e-005	9e-011	0.99995	0.99000	
(4)	997	1731	3927	13781	29212	94641	2ORDR	-4e-002	8e-005	3e-010	0.99989	0.99000	
(5)	797	1378	3160	12337	28068	100760	2ORDR	-2e-002	8e-005	1e-010	0.99996	0.99000	
Aroclor-1254	492	963	2244	8758	18909	64813	2ORDR	-2e-002	1e-004	5e-010	0.99989	0.99000	
(2)	2247	4174	9194	33676	71113	241280	2ORDR	-4e-002	3e-005	4e-011	0.99984	0.99000	
(3)	2014	3853	8961	35917	78922	278170	2ORDR	-2e-002	3.e-005	2e-011	0.99991	0.99000	
(4)	1580	2989	6975	28041	61473	220880	2ORDR	-2e-002	4e-005	3e-011	0.99989	0.99000	
(5)	449	823	2012	8692	19896	73810	2ORDR	-7e-003	1e-004	2.e-010	0.99995	0.99000	
Aroclor-1260	1946	3759	8336	29449	62288	213370	2ORDR	-4e-002	4e-005	5e-011	0.99983	0.99000	
(2)	1986	3933	8846	32573	70019	244790	2ORDR	-3e-002	3e-005	3e-011	0.99986	0.99000	
(3)	1917	3906	9167	36017	79338	284900	2ORDR	-2e-002	3.e-005	2e-011	0.99990	0.99000	
(4)	1106	2327	5615	23402	52466	195080	2ORDR	-1e-002	5e-005	3e-011	0.99991	0.99000	
(5)	547	1179	2870	11700	26364	96985	2ORDR	-1e-002	9e-005	1e-010	0.99993	0.99000	
Tetrachloro-m-xylene	779	1565	3789	16622	38895	144070	2ORDR	-1e-005	1e-006	1e-012	0.99997	0.99000	
Decachlorobiphenyl	664	1364	3268	12292	26489	88652	2ORDR	-4e-004	2e-006	6e-012	0.99990	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC06 Calibration Date(s): 05/10/03 05/10/03

Column: ZB-35 ID: 0.53 (mm) Calibration Time(s): 1007 2158

LAB FILE ID: RF0.05: 6TE2123 RF0.1: 6TE2124 RF0.25: 6TE2125
RF1: 6TE2122 RF2.5: 6TE2126 RF10: 6TE2127

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	1713	3485	7649	27528	55331	175750	2ORDR	-4e-002	4e-005	1.e-010	0.99976	0.99000	
(2)	3752	7209	15439	53474	105790	331970	2ORDR	-5e-002	2.e-005	3e-011	0.99972	0.99000	
(3)	4752	9771	22334	84885	180200	617470	2ORDR	-3e-002	1e-005	6e-012	0.99984	0.99000	
(4)	2320	4510	9786	35514	75489	255870	2ORDR	-4e-002	3.e-005	3e-011	0.99986	0.99000	
(5)	2455	4752	10269	35253	70875	226930	2ORDR	-5e-002	3e-005	6.e-011	0.99974	0.99000	
Aroclor-1221							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
Aroclor-1232							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
(5)							2ORDR					0.00000	<-
Aroclor-1242	1402	2666	6370	23186	46793	150280	2ORDR	-3e-002	5e-005	1e-010	0.99976	0.99000	
(2)	2926	5439	12406	43505	85885	271050	2ORDR	-4e-002	2e-005	5e-011	0.99970	0.99000	
(3)	1136	2207	5272	19503	38894	124420	2ORDR	-3e-002	6e-005	2.e-010	0.99972	0.99000	
(4)	3515	6758	16827	67697	142220	497200	2ORDR	-2e-002	2e-005	8.e-012	0.99979	0.99000	
(5)	1822	3166	7444	28778	59861	206650	2ORDR	-3e-002	4e-005	5.e-011	0.99978	0.99000	
Aroclor-1248	1627	2783	6368	21621	44797	137210	2ORDR	-4e-002	5e-005	2e-010	0.99989	0.99000	
(2)	2985	4808	10703	40626	90043	309430	2ORDR	-3e-002	3e-005	2e-011	0.99994	0.99000	
(3)	3355	5630	12179	41332	86185	272200	2ORDR	-4e-002	3e-005	4e-011	0.99987	0.99000	
(4)	3262	5445	12059	42671	90930	293160	2ORDR	-4e-002	2e-005	3e-011	0.99991	0.99000	
(5)	2140	3742	8423	30902	67135	223240	2ORDR	-3e-002	3e-005	5.e-011	0.99992	0.99000	
Aroclor-1254	1042	2001	4547	17241	36369	120630	2ORDR	-3e-002	6e-005	2e-010	0.99986	0.99000	
(2)	3093	5662	12178	43727	89777	291460	2ORDR	-4e-002	2e-005	3e-011	0.99980	0.99000	
(3)	3496	6424	14099	51254	107450	357380	2ORDR	-4e-002	2e-005	2.e-011	0.99984	0.99000	
(4)	3972	7274	16152	61018	129460	449510	2ORDR	-3e-002	2e-005	1e-011	0.99984	0.99000	
(5)	3259	6129	13876	53834	115550	402710	2ORDR	-3e-002	2.e-005	1e-011	0.99986	0.99000	
Aroclor-1260	4191	7973	17250	59581	125150	418550	2ORDR	-4e-002	2e-005	1e-011	0.99983	0.99000	
(2)	4399	8574	18827	66915	142330	487130	2ORDR	-4e-002	2e-005	9e-012	0.99985	0.99000	
(3)	3217	6311	14200	50323	108600	376610	2ORDR	-4e-002	2e-005	1e-011	0.99987	0.99000	
(4)	5269	10800	24688	92997	204530	746750	2ORDR	-3e-002	1e-005	2e-012	0.99989	0.99000	
(5)	1364	2756	6428	24536	53387	190380	2ORDR	-3e-002	4e-005	5e-011	0.99988	0.99000	
Tetrachloro-m-xylene	1889	3901	9161	36917	81444	284040	2ORDR	-3e-004	6e-007	5e-013	0.99992	0.99000	
Decachlorobiphenyl	1525	3030	6722	23377	48340	160170	2ORDR	-8e-004	9e-007	2.e-012	0.99980	0.99000	

FORM VI SV

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1258

Lab File ID: 6TE1108 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0586000	1.0000000	14311.000	0.01	5.86	15.00	2RDR
(2)	1.0096000	1.0000000	20556.000	0.01	0.96	15.00	2RDR
(3)	0.9667500	1.0000000	35651.000	0.01	-3.32	15.00	2RDR
(4)	0.9604000	1.0000000	12617.000	0.01	-3.96	15.00	2RDR
(5)	1.0964000	1.0000000	14699.000	0.01	9.64	15.00	2RDR
Average %D: 1.8300							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1258

Lab File ID: 6TE2108 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0610000	1.0000000	26424.000	0.01	6.10	15.00	2RDR
(2)	1.0129000	1.0000000	49020.000	0.01	1.29	15.00	2RDR
(3)	0.9724500	1.0000000	76176.000	0.01	-2.76	15.00	2RDR
(4)	0.9739000	1.0000000	32153.000	0.01	-2.61	15.00	2RDR
(5)	0.9652500	1.0000000	31099.000	0.01	-3.48	15.00	2RDR
Average %D: -0.290							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1326

Lab File ID: 6TE1109 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0376000	1.0000000	28010.000	0.01	3.76	15.00	2RDR	
(2)	1.0262000	1.0000000	30835.000	0.01	2.62	15.00	2RDR	
(3)	0.9190100	1.0000000	30826.000	0.01	-8.10	15.00	2RDR	
(4)	1.0818000	1.0000000	23539.000	0.01	8.18	15.00	2RDR	
(5)	1.2308000	1.0000000	13383.000	0.01	23.08	15.00	2RDR	<-
Average %D: 5.9100								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1326

Lab File ID: 6TE2109 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0188000	1.0000000	56145.000	0.01	1.88	15.00	2RDR	
(2)	1.0156000	1.0000000	62938.000	0.01	1.56	15.00	2RDR	
(3)	1.1680000	1.0000000	54310.000	0.01	16.80	15.00	2RDR	<-
(4)	1.1902000	1.0000000	102340.00	0.01	19.02	15.00	2RDR	<-
(5)	1.2546000	1.0000000	28262.000	0.01	25.46	15.00	2RDR	<-
Average %D: 12.940								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 1001

Lab File ID: 6TF1035 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.9144300	1.0000000	12488.000	0.01	-8.56	15.00	2RDR
(2)	0.9533300	1.0000000	19558.000	0.01	-4.67	15.00	2RDR
(3)	0.9494200	1.0000000	35137.000	0.01	-5.06	15.00	2RDR
(4)	0.9241400	1.0000000	12185.000	0.01	-7.59	15.00	2RDR
(5)	0.9713300	1.0000000	13132.000	0.01	-2.87	15.00	2RDR
Average %D: -5.750							
Aroclor-1260	0.9998100	1.0000000	27193.000	0.01	-0.02	15.00	2RDR
(2)	1.0115000	1.0000000	30516.000	0.01	1.15	15.00	2RDR
(3)	1.0111000	1.0000000	33958.000	0.01	1.11	15.00	2RDR
(4)	0.9948400	1.0000000	21764.000	0.01	-0.52	15.00	2RDR
(5)	0.9769200	1.0000000	10758.000	0.01	-2.31	15.00	2RDR
Average %D: -0.120							
Tetrachloro-m-xylene	1.8e-002	2.e-002	721550.00	0.01	-10.00	15.00	2RDR
Decachlorobiphenyl	1.93e-002	2.e-002	557150.00	0.01	-3.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 1001

Lab File ID: 6TF2035 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8408000	1.0000000	21391.000	0.01	-15.92	15.00	2RDR	<-
(2)	0.9001900	1.0000000	44103.000	0.01	-9.98	15.00	2RDR	
(3)	0.8809100	1.0000000	69396.000	0.01	-11.91	15.00	2RDR	
(4)	0.8863200	1.0000000	29447.000	0.01	-11.37	15.00	2RDR	
(5)	0.9126800	1.0000000	29561.000	0.01	-8.73	15.00	2RDR	
Average %D: -11.58								
Aroclor-1260	0.9269400	1.0000000	51465.000	0.01	-7.31	15.00	2RDR	
(2)	0.9295900	1.0000000	57952.000	0.01	-7.04	15.00	2RDR	
(3)	0.9271800	1.0000000	43738.000	0.01	-7.28	15.00	2RDR	
(4)	0.9379800	1.0000000	81482.000	0.01	-6.20	15.00	2RDR	
(5)	0.9734000	1.0000000	22192.000	0.01	-2.66	15.00	2RDR	
Average %D: -6.100								
Tetrachloro-m-xylene	1.68e-002	2.e-002	1465000.0	0.01	-16.00	15.00	2RDR	<-
Decachlorobiphenyl	1.96e-002	2.e-002	1051100.0	0.01	-2.00	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 2135

Lab File ID: 6TF1057 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.9323800	1.0000000	12716.000	0.01	-6.76	15.00	2RDR
(2)	0.9921800	1.0000000	20282.000	0.01	-0.78	15.00	2RDR
(3)	0.9632900	1.0000000	35628.000	0.01	-3.67	15.00	2RDR
(4)	0.9563500	1.0000000	12600.000	0.01	-4.36	15.00	2RDR
(5)	1.0226000	1.0000000	13793.000	0.01	2.26	15.00	2RDR
Average %D: -2.660							
Aroclor-1260	1.0745000	1.0000000	29079.000	0.01	7.45	15.00	2RDR
(2)	1.0691000	1.0000000	32149.000	0.01	6.91	15.00	2RDR
(3)	1.0598000	1.0000000	35526.000	0.01	5.98	15.00	2RDR
(4)	1.0547000	1.0000000	23038.000	0.01	5.47	15.00	2RDR
(5)	1.0576000	1.0000000	11621.000	0.01	5.76	15.00	2RDR
Average %D: 6.3100							
Tetrachloro-m-xylene	1.92e-002	2.e-002	769250.00	0.01	-4.00	15.00	2RDR
Decachlorobiphenyl	2.19e-002	2.e-002	626650.00	0.01	9.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 2135

Lab File ID: 6TF2057 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8760300	1.0000000	22203.000	0.01	-12.40	15.00	2RDR
(2)	0.9524800	1.0000000	46388.000	0.01	-4.75	15.00	2RDR
(3)	0.8994300	1.0000000	70767.000	0.01	-10.06	15.00	2RDR
(4)	0.9296100	1.0000000	30783.000	0.01	-7.04	15.00	2RDR
(5)	0.9849300	1.0000000	31664.000	0.01	-1.51	15.00	2RDR
Average %D: -7.150							
Aroclor-1260	0.9896000	1.0000000	54658.000	0.01	-1.04	15.00	2RDR
(2)	0.9767500	1.0000000	60684.000	0.01	-2.32	15.00	2RDR
(3)	1.0110000	1.0000000	47433.000	0.01	1.10	15.00	2RDR
(4)	1.0101000	1.0000000	87457.000	0.01	1.01	15.00	2RDR
(5)	1.0894000	1.0000000	24705.000	0.01	8.94	15.00	2RDR
Average %D: 1.5400							
Tetrachloro-m-xylene	1.81e-002	2.e-002	1571700.0	0.01	-9.50	15.00	2RDR
Decachlorobiphenyl	2.25e-002	2.e-002	1196000.0	0.01	12.50	15.00	2RDR

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/07/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2335-1
Client ID: WG2335-Blank
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2335
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	0.30
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.32
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.25
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.13
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.16
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.12
877-09-8	Tetrachloro-m-xylene		54%				
2051-24-3	Decachlorobiphenyl		54%				

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-3

GC Column(1): ZB-5 ID: 0.53 (mm) GC Column(2): ZB-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	WG2335-BLANK	WG2335-1	54	49	54	54			0
02	WG2335-LCS	WG2335-2	60	55	59	61			0
03	03GLM0502	WT1148-1	64	55	48*	50*			2
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 (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
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/07/03
Report Date: 06/12/2003
Matrix: WATER

Lab ID: WG2335-2
Client ID: WG2335-LCS
SDG: CTO287-3
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2335
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Aroclor-1016	5.0	NA	3.8	76	51-146
Aroclor-1260	5.0	NA	4.5	90	63-132

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/11Apr2003.b/38100411m5.m
Cal Date : 11-Apr-2003 15:33 atoyama
Curve Type : Average

Calibration File Names:
Level 1: /chem/gc7.i/11Apr2003.b/7041103.d
Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	___ RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742219	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620506	15.365

Data File: /chem/gc7.i/30May2003.b/7053001.d
Report Date: 30-May-2003 09:00

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i Injection Date: 30-MAY-2003 08:38
Analysis Type: AIR Init. Cal. Times: 11:42 14:02
Lab Sample ID: Quant Type: ESTD
Method: /chem/gc7.i/30May2003.b/38100411m5.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	21182358	0.100	-9.58477	30.00000	Averaged
2 Ethylene	19981673	22268330	0.010	-11.44377	30.00000	Averaged
3 Ethane	19495021	21298190	0.010	-9.24938	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i Injection Date: 30-MAY-2003 17:03
Analysis Type: AIR Init. Cal. Times: 11:42 14:02
Lab Sample ID: Quant Type: ESTD
Method: /chem/gc7.i/30May2003.b/38100411m5.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	20871969	0.100	-7.97901	30.00000	Averaged
2 Ethylene	19981673	21812242	0.010	-9.16124	30.00000	Averaged
3 Ethane	19495021	20790619	0.010	-6.64579	30.00000	Averaged

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0305384-13A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053003	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: NA - Not Applicable

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0305384-14A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7053002	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/30/03

Compound	%Recovery
Methane	93
Ethane	94
Ethene	96

Container Type: NA - Not Applicable

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/11Apr2003.b/38100411m5.m
Cal Date : 11-Apr-2003 15:33 atoyama
Curve Type : Average

Calibration File Names:
Level 1: /chem/gc7.i/11Apr2003.b/7041103.d
Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	___ RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742219	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620506	15.365

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i Injection Date: 29-MAY-2003 15:37
Analysis Type: AIR Init. Cal. Times: 11:42 14:02
Lab Sample ID: Quant Type: ESTD
Method: /chem/gc7.i/29May2003.b/38100411m5.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	21367169	0.100	-10.54087	30.00000	Averaged
2 Ethylene	19981673	22467388	0.010	-12.43998	30.00000	Averaged
3 Ethane	19495021	21505521	0.010	-10.31289	30.00000	Averaged

Data File: /chem/gc7.i/29May2003.b/7052939.d
Report Date: 30-May-2003 11:46

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Injection Date: 29-MAY-2003 23:02
Analysis Type: AIR
Init. Cal. Times: 11:42 14:02
Lab Sample ID:
Quant Type: ESTD
Method: /chem/gc7.i/29May2003.b/38100411m5.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	21702777	0.100	-12.27711	30.00000	Averaged
2 Ethylene	19981673	22733537	0.010	-13.77194	30.00000	Averaged
3 Ethane	19495021	21660560	0.010	-11.10816	30.00000	Averaged

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0305387-07A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052923	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: NA - Not Applicable

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0305387-08A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052922	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	%Recovery
Methane	83
Ethane	85
Ethene	86

Container Type: NA - Not Applicable

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE ____ OF ____

CLIENT Panama City CTO-287	JOB NUMBER Job-9061 SAG-2873
SUBJECT Sample Calculation	
BASED ON	DRAWING NUMBER
BY Bernard F Spada III / CHECKED BY	APPROVED BY / DATE 29-July-03

Sample 13GLM10502D

Methane = 3.4 ug/mL

$$\text{Methane} = \frac{66612576}{19329655} = 3.446 \text{ ug/mL}$$

AIR TOXICS LTD.

SAMPLE NAME: 13GLM10S02D

ID#: 0305387-03A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052934	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	3.4
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

Air Toxics Ltd.

3810/RSK-175 Analysis

Data file : /chem/gc7.i/29May2003.b/7052934.d
Lab Smp Id: 0305387-03A Client Smp ID: 13GLM10S02D
Inj Date : 29-MAY-2003 21:06
Operator : SRS Inst ID: gc7.i
Smp Info : 0305387-03A
Misc Info :
Comment :
Method : /chem/gc7.i/29May2003.b/38100411m5.m
Meth Date : 30-May-2003 10:27 sscott Quant Type: ESTD
Cal Date : 11-APR-2003 14:02 Cal File: 7041108.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CH4EthEth.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/mL)
1 Methane	0.442	0.443	-0.001	66612576	3.44613	3.446
2 Ethylene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/11Apr2003.b/38100411m5.m
Cal Date : 11-Apr-2003 15:33 atoyama
Curve Type : Average

Calibration File Names:
Level 1: /chem/gc7.i/11Apr2003.b/7041103.d
Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	___ RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742219	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620506	15.365

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **G. WALKER** **DATE:** **JULY 31, 2003**

FROM: **MICHAEL T. AKERS** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOC, SVOC, PAH, PEST/PCB, and OVG Gases**
CTO 287, CSS PANAMA CITY
SDG 2871

SAMPLES: 19 / Aqueous / VOC / SVOC / OVG Gases / PAH

03GLM0402	03RL051403	09GLM01S02	09GLM02S02
09GLM03I02	09GLM03S02	09GLM04S02	09GLM06S02
09GLM08S02	09GLM08S02D	09GLM09S02	09RB051303
09TB051303	10GLM01R01	10GLM01R01D	10GLM0601
10GLM0701	10GLM0901	10TL05/14/03	

OVERVIEW

The sample set for CTO 287; CSS Panama City, SDG 2871 consists of nineteen (19) aqueous environmental samples analyzed for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and Polycylic Aromatic Hydrocarbons (PAHs). The two trip blanks submitted with this SDG, 09TB051303 and 10TL05/14/03, were analyzed for VOCs only. Samples 03GLM0402 and 03RL051403 were also analyzed for Pesticides and Polychlorinated Biphenyls (PCBs). All samples except for 03GLM0402, 03RL051403, the two VOC trip blanks, and sample 09RB051303 were also analyzed for OVG Gases (ethane, ethene, and methane). Two field duplicate pairs were collected and analyzed with this SDG: 09GLM08S02 / 09GLM08S02D and 10GLM01R01 / 10GLM01R01D.

The samples were collected by TetraTech NUS on May 13th and 14th, 2003 and analyzed by Katahdin Analytical Services and Air Toxics. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW846 Methods 8260B, 8270C, 8270 SIM, 8081A, 8082, and RSK SOP 147/175 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

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

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

VOC

An initial calibration %RSD exceeded the 25% quality control limit for methy tert-butyl ether (MTBE) on instrument GCMS-F on 5/23/03. Only non-detected results were reported for MTBE and these were qualified as estimated (UJ) in all associated aqueous samples.

The following compounds were detected in the aqueous laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration (µg/L)	Action Level (µg/L)
Bromomethane	2.0	10.0
Methylene Chloride	1.0	10.0
1,2,4-Trichlorobenzene	0.70	3.5

An action level of 5X the maximum detected concentration was established for evaluating blank contamination for all detected compounds except for methylene chloride where 10X the maximum concentration was utilized.

Blank Actions

- Value < Reporting Limit (RL); report RL followed by a U.
- Value > RL and < Action level, report value followed by a U.

Multiple analytes detected in the aqueous laboratory method blank were also detected in multiple samples and were qualified according the blank actions stated above.

Calibration verification %Ds exceeded the 25% quality control limit for acetone, MTBE, 2-butanone, 1,2-dibromo-3-chloropropane, and methyl acetate on instrument GCMS-F, at 1648, on 5/23/03. All non-detected results for these analytes were qualified as estimated (UJ) and all positive results were qualified as estimated (J) in all associated aqueous samples.

Calibration verification %Ds exceeded the 25% quality control limit for MTBE and 1,2-dibromo-3-chloropropane on instrument GCMS-F, at 0957, on 5/25/03. Only non-detected results were reported for these compounds and were qualified as estimated (UJ) in all associated aqueous samples.

SVOC

2-Fluorophenol (<10%) and 2,4,6-tribromophenol surrogates exhibited recovery below quality control criteria for the analysis of sample 10GLM0601. No positive results were reported for sample 10GLM0601. All associated acid fraction compounds have been rejected (UR).

2-Fluorophenol, nitrobenzene-d5 (<10%), and 2-fluorobiphenyl surrogates exhibited recovery below quality control criteria for the analysis of sample 09GLM08S02D. No positive results were reported for sample 09GLM08S02D. All associated base/neutral compounds have been rejected (UR). Due to the low recovery of acid fraction surrogates, all associated acid compounds have been qualified as estimated (UJ).

Calibration verification %D exceeded the 25% quality control limit for benzaldehyde on instrument GCMS-K, at 1635, on 5/27/03. Only non-detected results for benzaldehyde were reported and these were qualified as estimated (UJ) in the associated samples.

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, and benzaldehyde on instrument GCMS-K, at 1326, on 6/5/03. No positive results were reported for these analytes, therefore the non-detected results have been qualified as estimated (UJ).

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, benzaldehyde, and atrazine on instrument GCMS-K, at 1656, on 6/6/03. No positive results were reported for these analytes, therefore the non-detected results have been qualified as estimated (UJ).

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, and benzaldehyde on instrument GCMS-K, at 1807, on 6/9/03. No positive results were reported for these analytes, therefore the non-detected results have been qualified as estimated (UJ).

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, benzaldehyde, and 2-flurophenol surrogate on instrument GCMS-K, at 1231, on 6/11/03. No positive results were reported for these analytes, therefore the non-detected results have been qualified as estimated (UJ).

PESTICIDE/PCB

4,4'-DDT exhibited recoveries slightly below quality control limits for the analysis of the LCS and LCSD. No positive results were reported for 4,4'-DDT, therefore the non-detected results have been qualified as estimated (UJ) in the samples 03RL051403 and 03GLM0402.

PAH

Calibration verification %Ds exceeded the 25% quality control limit for acenaphthylene on instrument GCMS-X, at 1600, on 6/9/03. Only non-detected results were reported for acenaphthylene and were qualified as estimated (UJ) in all associated samples.

Calibration verification %Ds exceeded the 25% quality control limit for naphthalene and 2-methylnaphthalene on instrument GCMS-X, at 1513, on 6/10/03. Non-detected results were qualified as estimated (UJ) in all associated samples. Positive results were reported for naphthalene and 2-methylnaphthalene, however these results were above upper calibration limits in samples 09GLM08S02 and 09GLM08S02D. Both samples were diluted and re-analyzed to obtain on-scale results. Therefore, the original positive results were not qualified and the results from the diluted samples have been transposed.

Calibration verification %Ds exceeded the 25% quality control limit for naphthalene, 2-methylnaphthalene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene on instrument GCMS-X, at 1416, on 6/11/03. Positive results were qualified as estimated (J) and non-detected results were qualified as estimated (UJ) in all associated samples.

Naphthalene-d8, phenanthrene-d10, and chrysene-d12 internal standards were below the -50% criteria for internal standard response for the analysis of sample 10GLM01R01. Only non-detected analytes were affected and were qualified as estimated (UJ) in sample 10GLM01R01.

Naphthalene-d8, phenanthrene-d10, perylene-d12 internal standards were below the -50% criteria for internal standard response for the analysis of sample 10GLM01R01D. Only non-detected analytes were affected and were qualified as estimated (UJ) in sample 10GLM01R01D.

Multiple internal standard responses fell below the -50% criteria for the analysis of samples 09GLM08S02, 09GLM08S02D, and 09GLM02S02. These samples were reanalyzed by the laboratory and matrix interference was confirmed and designated as the cause for the poor internal standard response. The original analyses have been discarded and the re-analyses have been retained for data validation purposes as these analyses had fewer internal standard non-compliances. Affected analytes in these samples have been qualified. Positive results have been qualified as estimated (J) and non-detected results have been qualified as estimated (UJ) in the aforementioned affected samples.

OVG GASES

The units on the Form I's don't match the EDD. The results on the Form I are reported as µg/mL and the EDD is reported as µg/L. The Validator corrected the results in the database to show the converted value in µg/L.

Additional Comments

Methyl tert-butyl ether (MTBE) exhibited high recovery in the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) outside of quality control limits (62%-130%). No data qualifications have been made since MTBE was not detected in any associated samples.

2-Nitrophenol, 2,4-dinitrophenol, and pentachlorophenol exhibited recoveries below quality control limits in the analysis of the LCS. Since these compounds were within quality control limits for the analysis of LCSD analyzed immediately after the LCS, no data qualifications have been made.

%RPD limits were above quality control criteria of 30% for phenol, 2-chlorophenol, 2-nitrophenol, benzoic acid, 2,4,6-trichlorophenol, 2,4-dinitrophenol, 4-nitrophenol, pentachlorophenol, and benzidine in LCS and LCSD extracted on 5/21/03 and analyzed on 6/5/03. It appears that the acid fraction analytes may have been lost during the blow down step of the extraction process. Since the LCSD exhibited acceptable recoveries for these analytes within quality control limits, no data qualifications have been made.

Delta-BHC, 4,4'-DDD, endrin aldehyde, endosulfan sulfate, and endrin ketone exhibited recoveries slightly below quality control limits for the analysis of the LCSD. Recoveries for these analytes were within quality control limits for the analysis of the LCS. No data qualifications were made based on these non-compliances.

Delta-BHC, 4,4'-DDD, 4,4'-DDT, endrin aldehyde, and endosulfan sulfate exhibited recoveries slightly below quality control limits for the analysis of the sulfur cleanup LCSD. Recoveries for these analytes were within quality control limits for the analysis of the sulfur cleanup LCS. No data qualifications were made based on these non-compliances.

Calibration verification %D exceeded the 15% quality control limit for 4,4'-DDD on instrument GC08, column RTX-CLP1, at 1912, on 6/9/03. Calibration verification %D was within quality control limits for 4,4'-DDD on RTX-CLP2 column, therefore no data qualifications have been made.

Calibration verification %Ds exceeded the 15% quality control limit for 4,4'-DDD and methoxychlor on

instrument GC08, column RTX-CLP1, at 0842, on 6/10/03. Calibration verification %Ds were within quality control limits for 4,4'-DDD and methoxychlor on RTX-CLP2 column, therefore no data qualifications have been made.

Calibration verification %D exceeded the 15% quality control limit for tetrachloro-m-xylene surrogate on instrument GC06, column ZB-35, at 1001, on 6/7/03. Calibration verification %D was within quality control limits for tetrachloro-m-xylene surrogate on ZB-5 column, therefore no data qualifications have been made.

Naphthalene exhibited recovery slight below quality control limits in the analysis of the LCSD (WG2354-LCSD) on 6/10/03. Naphthalene recovery was within quality control limits for the analysis of the associated LCS sample, therefore no data qualifications were made.

Naphthalene, acenaphthylene, acenaphthene, and fluorene %RPDs were outside the 30% quality control criteria for the analysis of the LCS/LCSD pair analyzed on 6/10/03. No data qualifications were made based on these non-compliances.

Chrysene-d12 and perylene-d12 internal standards were below the -50% criteria for internal standard response for the analysis of the LCSD (WG2354-LCSD). No data qualifications were made based on this non-compliance.

Acenaphthene-d10 internal standard response fell below the -50% criteria for the analysis of 10GLM01R01 (Dilution). Only 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene were reported from this analysis. None of these analytes are associated with the non-compliant internal standard, therefore no data qualifications have been made.

FIELD DUPLICATE ANALYSIS

Parameter	09GLM08S02	09GLM08S02D	%RSD
Methane	0.082	0.053	43%
1,2,4-Trimethylbenzene	0.3 J	0.7 J	80%
Ethylbenzene	0.3 J	0.5 J	50%
Carbon Disulfide	NA	0.2 J	NA
Isopropylbenzene	0.2 J	0.3 J	40%
m&p-Xylenes	NA	0.5 J	NA
Toluene	NA	0.2 J	NA
Total Xylenes	NA	0.5 J	NA
1-Methylnaphthalene	7.7	4.1	61 %
2-Methylnaphthalene	8.5 J	6.7 J	24%
Acenaphthene	0.11 J	0.084 J	27%
Naphthalene	7.9 J	5.6 J	34%

- 1-Methynaphthalene results have been qualified in both samples due to field duplicate imprecision.

Parameter	10GLM01R01	10GLM01R01D	%RSD
Methane	0.18	0.18	0%
1,2,4-Trimethylbenzene	13	13	0%
1,2-Dichlorobenzene	0.5 J	NA	NA
1,3,5-Trimethylbenzene	5	6	18%
Carbon Disulfide	0.2 J	0.2 J	0%
Ethylbenzene	0.4 J	0.4 J	0%
Isopropylbenzene	0.5 J	0.6 J	18%
m&p-Xylenes	1 J	1 J	0%
o-Xylene	1 J	1 J	0%
Tetrachloroethene	0.7 J	0.6 J	15%
Toluene	NA	0.2 J	NA
Total Xylenes	2 J	2 J	0%
4-Methylphenol	5 J	4J	22%
Bis(2-ethylhexyl)phthalate	NA	42	NA
1-Methylnaphthalene	24	18	29%
2-Methylnaphthalene	35 J	30 J	15%
Acenaphthene	1.2	2.8	80%
Fluorene	0.89	2.1	81%
Naphthalene	27 J	20 J	30%
Phenanthrene	2.5	1.4	56%

- Bis(2-ethylhexyl)phthalate results have been qualified in sample 10GLM01R01D due to field duplicate imprecision.
- Acenaphthene results have been qualified in both samples due to field duplicate imprecision
- Fluorene results have been qualified in both samples due to field duplicate imprecision
- Phenanthrene results have been qualified in both samples due to field duplicate imprecision

EXECUTIVE SUMMARY

Laboratory Performance Issues: Multiple VOCs were detected in the laboratory method blanks. These compounds were qualified accordingly. Multiple SVOC surrogates and internal standards exhibited reduced recovery and response in several samples resulting in the estimation and/or rejection of analytical data. Calibration verification %D criteria were not met for several VOC, SVOC and PAH compounds resulting in the estimation of analytical data. PAH internal standards exhibited decreased response in multiple samples resulting in the re-analyses and the estimation of analytical data. 4,4'-DDT exhibited slightly low recovery in the Pesticide LCS/LCSD resulting in the estimated of analytical data. Field duplicate imprecision was noted for multiple SVOC and PAH compounds, resulting in the estimation of analytical data.

Other Factors Affecting Data Quality: None

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), EPA Region IV (8/93) and the NFESC guidelines "Navy IRCDQM" (Sept 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

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

Tetra Tech NUS

Michael T. Akers
Chemist/Data Validator

Edward Sedlmyer /for
TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	03GLM0402
samp_date	5/14/2003
lab_id	WT1127-14
qc_type	NM
units	UG/L
Pct_Solids	0
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	0.6	J	P
1,1-DICHLOROETHENE	0.4	J	P
1,2,4-TRICHLOROBENZENE	5	U	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	0.3	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	03GLM0402
samp_date	5/14/2003
lab_id	WT1127-14
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	03RL051403
samp_date	5/14/2003
lab_id	WT1127-12
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5		
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	1	J	P
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	0.3	J	P

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	03RL051403
samp_date	5/14/2003
lab_id	WT1127-12
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	0.7	J	P
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	0.6	J	P
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	09GLM01S02
samp_date	5/13/2003
lab_id	WT1109-11
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	09GLM01S02
samp_date	5/13/2003
lab_id	WT1109-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	09GLM02S02
samp_date	5/13/2003
lab_id	WT1109-9
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	1	U	A
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	09GLM02S02
samp_date	5/13/2003
lab_id	WT1109-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	09GLM03I02
samp_date	5/13/2003
lab_id	WT1109-4
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	0.4	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	09GLM03I02
samp_date	5/13/2003
lab_id	WT1109-4
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	0.2	J	P
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	0.2	J	P
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	0.5	J	P
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	09GLM03S02
samp_date	5/13/2003
lab_id	WT1109-3
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	09GLM03S02
samp_date	5/13/2003
lab_id	WT1109-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	09GLM04S02
samp_date	5/13/2003
lab_id	WT1109-1
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	1	J	P

nsample	09GLM04S02
samp_date	5/13/2003
lab_id	WT1109-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	0.2	J	P
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	09GLM06S02
samp_date	5/13/2003
lab_id	WT1109-10
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	09GLM06S02
samp_date	5/13/2003
lab_id	WT1109-10
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	09GLM08S02
samp_date	5/13/2003
lab_id	WT1109-7
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	0.3	J	P
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	09GLM08S02
samp_date	5/13/2003
lab_id	WT1109-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	0.3	J	P
ISOPROPYLBENZENE	0.2	J	P
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	09GLM08S02D
samp_date	5/13/2003
lab_id	WT1109-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	09GLM08S02

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	
1,2,4-TRIMETHYLBENZENE	0.7	J	P
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	2	U	A
CARBON DISULFIDE	0.2	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	09GLM08S02D
samp_date	5/13/2003
lab_id	WT1109-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	09GLM08S02

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	0.5	J	P
ISOPROPYLBENZENE	0.3	J	P
M+P-XYLENES	0.5	J	P
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	0.2	J	P
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	0.5	J	P
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	09GLM09S02
samp_date	5/13/2003
lab_id	WT1109-2
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	3	U	A
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	12		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	09GLM09S02
samp_date	5/13/2003
lab_id	WT1109-2
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	09RB051303
samp_date	5/13/2003
lab_id	WT1109-5
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	J	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	0.2	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	0.3	J	P

nsample	09RB051303
samp_date	5/13/2003
lab_id	WT1109-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	0.2	J	P
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJC	
METHYLENE CHLORIDE	0.9	J	P
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	1	J	P
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	09TB051303
samp_date	5/13/2003
lab_id	WT1109-6
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	1	J	P
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	09TB051303
samp_date	5/13/2003
lab_id	WT1109-6
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	10GLM01R01
samp_date	5/14/2003
lab_id	WT1127-1
qc_type	NM
units	UG/L
Pct_Solids	0
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	0.3	U	A
1,2,4-TRIMETHYLBENZENE	13		
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	0.5	J	P
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	5		
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	2	J	P
CARBON DISULFIDE	0.2	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	10GLM01R01
samp_date	5/14/2003
lab_id	WT1127-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	0.4	J	P
ISOPROPYLBENZENE	0.5	J	P
M+P-XYLENES	1	J	P
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	1	J	P
STYRENE	5	U	
TETRACHLOROETHENE	0.7	J	P
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	2	J	P
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	10GLM01R01D
samp_date	5/14/2003
lab_id	WT1127-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	10GLM01R01

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	
1,2,4-TRIMETHYLBENZENE	13		
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	6		
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	2	U	A
CARBON DISULFIDE	0.2	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	10GLM01R01D
samp_date	5/14/2003
lab_id	WT1127-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	10GLM01R01

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	0.4	J	P
ISOPROPYLBENZENE	0.6	J	P
M+P-XYLENES	1	J	P
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	1	J	P
STYRENE	5	U	
TETRACHLOROETHENE	0.6	J	P
TOLUENE	0.2	J	P
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	2	J	P
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	10GLM0601
samp_date	5/14/2003
lab_id	WT1127-10
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	2	U	A
CARBON DISULFIDE	0.5	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	10GLM0601
samp_date	5/14/2003
lab_id	WT1127-10
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	10GLM0701
samp_date	5/14/2003
lab_id	WT1127-8
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	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	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	1	U	A
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	10GLM0701
samp_date	5/14/2003
lab_id	WT1127-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	10GLM0901
samp_date	5/14/2003
lab_id	WT1127-6
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	0.2	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	10GLM0901
samp_date	5/14/2003
lab_id	WT1127-6
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OV

nsample	10TL05/14/03
samp_date	5/14/2003
lab_id	WT1127-5
qc_type	NM
units	UG/L
Pct_Solids	0
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	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	

nsample	10TL05/14/03
samp_date	5/14/2003
lab_id	WT1127-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OVG

nsample	09GLM01S02
samp_date	5/13/2003
lab_id	0305322R1-09A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

nsample	09GLM02S02
samp_date	5/13/2003
lab_id	0305322R1-07A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	27		

nsample	09GLM03I02
samp_date	5/13/2003
lab_id	0305322R1-04A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	3000		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OVG

nsample	09GLM03S02
samp_date	5/13/2003
lab_id	0305322R1-03A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	400		

nsample	09GLM04S02
samp_date	5/13/2003
lab_id	0305322R1-01A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	300		

nsample	09GLM06S02
samp_date	5/13/2003
lab_id	0305322R1-08A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OVG

nsample	09GLM08S02
samp_date	5/13/2003
lab_id	0305322R1-05A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	82		

nsample	09GLM08S02D
samp_date	5/13/2003
lab_id	0305322R1-06A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	09GLM08S02

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	53		

nsample	09GLM09S02
samp_date	5/13/2003
lab_id	0305322R1-02A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OVG

nsample	10GLM01R01
samp_date	5/14/2003
lab_id	0305322R1-10A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	180		

nsample	10GLM01R01D
samp_date	5/14/2003
lab_id	0305322R1-11A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	10GLM01R01

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	180		

nsample	10GLM0601
samp_date	5/14/2003
lab_id	0305322R1-14A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	250		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OVG

nsample	10GLM0701	nsample	10GLM0901
samp_date	5/14/2003	samp_date	5/14/2003
lab_id	0305322R1-13A	lab_id	0305322R1-12A
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	500		

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	850		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	03GLM0402
samp_date	5/14/2003
lab_id	WT1127-14
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	03GLM0402
samp_date	5/14/2003
lab_id	WT1127-14
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	03RL051403
samp_date	5/14/2003
lab_id	WT1127-12
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	03RL051403
samp_date	5/14/2003
lab_id	WT1127-12
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	09GLM01S02
samp_date	5/13/2003
lab_id	WT1109-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	26	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	26	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	26	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	26	U	
4,6-DINITRO-2-METHYLPHENOL	26	UJ	C
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	26	U	
4-NITROPHENOL	26	UJ	C
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	09GLM01S02
samp_date	5/13/2003
lab_id	WT1109-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	26	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	09GLM02S02
samp_date	5/13/2003
lab_id	WT1109-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	09GLM02S02
samp_date	5/13/2003
lab_id	WT1109-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	09GLM03I02
samp_date	5/13/2003
lab_id	WT1109-4
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	14		
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	09GLM03I02
samp_date	5/13/2003
lab_id	WT1109-4
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	09GLM03S02
samp_date	5/13/2003
lab_id	WT1109-3RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	UJ	C
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-METHYLPHENOL	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	09GLM03S02
samp_date	5/13/2003
lab_id	WT1109-3RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	09GLM04S02
samp_date	5/13/2003
lab_id	WT1109-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	13		

nsample	09GLM04S02
samp_date	5/13/2003
lab_id	WT1109-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	09GLM06S02
samp_date	5/13/2003
lab_id	WT1109-10
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	09GLM06S02
samp_date	5/13/2003
lab_id	WT1109-10
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	09GLM08S02
samp_date	5/13/2003
lab_id	WT1109-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	09GLM08S02
samp_date	5/13/2003
lab_id	WT1109-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	09GLM08S02D
samp_date	5/13/2003
lab_id	WT1109-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	09GLM08S02

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	UR	R
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UR	R
2,4,5-TRICHLOROPHENOL	25	UJ	R
2,4,6-TRICHLOROPHENOL	10	UJ	R
2,4-DICHLOROPHENOL	10	UJ	R
2,4-DIMETHYLPHENOL	10	UJ	R
2,4-DINITROPHENOL	25	UJ	CR
2,4-DINITROTOLUENE	10	UR	R
2,6-DINITROTOLUENE	10	UR	R
2-CHLORONAPHTHALENE	10	UR	R
2-CHLOROPHENOL	10	UJ	R
2-METHYLPHENOL	10	UJ	R
2-NITROANILINE	25	UR	R
2-NITROPHENOL	10	UJ	R
3,3'-DICHLOROBENZIDINE	10	UR	R
3-NITROANILINE	25	UR	R
4,6-DINITRO-2-METHYLPHENOL	25	UJ	CR
4-BROMOPHENYL PHENYL ETHER	10	UR	R
4-CHLORO-3-METHYLPHENOL	10	UJ	R
4-CHLOROANILINE	10	UR	R
4-CHLOROPHENYL PHENYL ETHER	10	UR	R
4-METHYLPHENOL	10	UJ	R
4-NITROANILINE	25	UR	R
4-NITROPHENOL	25	UJ	R
ACETOPHENONE	10	UR	R
ATRAZINE	10	UR	R
BENZALDEHYDE	10	UR	R
BIS(2-CHLOROETHOXY)METHANE	10	UR	R
BIS(2-CHLOROETHYL)ETHER	10	UR	R
BIS(2-ETHYLHEXYL)PHTHALATE	10	UR	R

nsample	09GLM08S02D
samp_date	5/13/2003
lab_id	WT1109-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	09GLM08S02

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	UR	R
CAPROLACTAM	10	UR	R
CARBAZOLE	10	UR	R
DIBENZOFURAN	10	UR	R
DIETHYL PHTHALATE	10	UR	R
DIMETHYL PHTHALATE	10	UR	R
DI-N-BUTYL PHTHALATE	10	UR	R
DI-N-OCTYL PHTHALATE	10	UR	R
HEXACHLOROBENZENE	10	UR	R
HEXACHLOROBUTADIENE	10	UR	R
HEXACHLOROCYCLOPENTADIENE	10	UR	R
HEXACHLOROETHANE	10	UR	R
ISOPHORONE	10	UR	R
NITROBENZENE	10	UR	R
N-NITROSO-DI-N-PROPYLAMINE	10	UR	R
N-NITROSODIPHENYLAMINE	10	UR	R
PENTACHLOROPHENOL	25	UJ	R
PHENOL	10	UJ	R

nsample	09GLM09S02
samp_date	5/13/2003
lab_id	WT1109-2
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	09GLM09S02
samp_date	5/13/2003
lab_id	WT1109-2
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	09RB051303
samp_date	5/13/2003
lab_id	WT1109-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	09RB051303
samp_date	5/13/2003
lab_id	WT1109-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	10GLM01R01
samp_date	5/14/2003
lab_id	WT1127-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	5	J	P
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	10GLM01R01
samp_date	5/14/2003
lab_id	WT1127-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	10GLM01R01D
samp_date	5/14/2003
lab_id	WT1127-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	10GLM01R01

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	4	J	P
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	42	J	G

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	10GLM01R01D
samp_date	5/14/2003
lab_id	WT1127-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	10GLM01R01

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	10GLM0601
samp_date	5/14/2003
lab_id	WT1127-10
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	UR	R
2,4,6-TRICHLOROPHENOL	10	UR	R
2,4-DICHLOROPHENOL	10	UR	R
2,4-DIMETHYLPHENOL	10	UR	R
2,4-DINITROPHENOL	25	UR	R
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	UR	R
2-METHYLPHENOL	10	UR	R
2-NITROANILINE	25	U	
2-NITROPHENOL	10	UR	R
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UR	R
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	UR	R
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	10	UR	R
4-NITROANILINE	25	U	
4-NITROPHENOL	25	UR	R
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	10GLM0601
samp_date	5/14/2003
lab_id	WT1127-10
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	UR	R
PHENOL	10	UR	R

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	10GLM0701
samp_date	5/14/2003
lab_id	WT1127-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	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-METHYLPHENOL	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	10GLM0701
samp_date	5/14/2003
lab_id	WT1127-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	10GLM0901
samp_date	5/14/2003
lab_id	WT1127-6
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: OS

nsample	10GLM0901
samp_date	5/14/2003
lab_id	WT1127-6
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	03GLM0402	nsample	03RL051403
samp_date	5/14/2003	samp_date	5/14/2003
lab_id	WT1127-14	lab_id	WT1127-12
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.10	U	
4,4'-DDE	0.10	U	
4,4'-DDT	0.10	UJ	E
ALDRIN	0.050	U	
ALPHA-BHC	0.050	U	
ALPHA-CHLORDANE	0.050	U	
AROCLOR-1016	0.50	U	
AROCLOR-1221	0.50	U	
AROCLOR-1232	0.50	U	
AROCLOR-1242	0.50	U	
AROCLOR-1248	0.50	U	
AROCLOR-1254	0.50	U	
AROCLOR-1260	0.50	U	
BETA-BHC	0.050	U	
DELTA-BHC	0.050	U	
DIELDRIN	0.10	U	
ENDOSULFAN I	0.050	U	
ENDOSULFAN II	0.10	U	
ENDOSULFAN SULFATE	0.10	U	
ENDRIN	0.10	U	
ENDRIN ALDEHYDE	0.10	U	
ENDRIN KETONE	0.10	U	
GAMMA-BHC (LINDANE)	0.050	U	
GAMMA-CHLORDANE	0.050	U	
HEPTACHLOR	0.050	U	
HEPTACHLOR EPOXIDE	0.050	U	
METHOXYCHLOR	0.50	U	
TOXAPHENE	1.0	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.10	U	
4,4'-DDE	0.10	U	
4,4'-DDT	0.10	UJ	E
ALDRIN	0.050	U	
ALPHA-BHC	0.050	U	
ALPHA-CHLORDANE	0.050	U	
AROCLOR-1016	0.50	U	
AROCLOR-1221	0.50	U	
AROCLOR-1232	0.50	U	
AROCLOR-1242	0.50	U	
AROCLOR-1248	0.50	U	
AROCLOR-1254	0.50	U	
AROCLOR-1260	0.50	U	
BETA-BHC	0.050	U	
DELTA-BHC	0.050	U	
DIELDRIN	0.10	U	
ENDOSULFAN I	0.050	U	
ENDOSULFAN II	0.10	U	
ENDOSULFAN SULFATE	0.10	U	
ENDRIN	0.10	U	
ENDRIN ALDEHYDE	0.10	U	
ENDRIN KETONE	0.10	U	
GAMMA-BHC (LINDANE)	0.050	U	
GAMMA-CHLORDANE	0.050	U	
HEPTACHLOR	0.050	U	
HEPTACHLOR EPOXIDE	0.050	U	
METHOXYCHLOR	0.50	U	
TOXAPHENE	1.0	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: PAH

nsample	03GLM0402	nsample	03RL051403	nsample	09GLM01S02
samp_date	5/14/2003	samp_date	5/14/2003	samp_date	5/13/2003
lab_id	WT1127-15	lab_id	WT1127-13RA	lab_id	WT1109-21RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.28		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.1	J	P
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	UJ	C
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	UJ	C
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	UJ	C
NAPHTHALENE	0.13	J	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.21	U	
2-METHYLNAPHTHALENE	0.21	UJ	C
ACENAPHTHENE	0.21	U	
ACENAPHTHYLENE	0.21	U	
ANTHRACENE	0.21	U	
BENZO(A)ANTHRACENE	0.21	U	
BENZO(A)PYRENE	0.21	U	
BENZO(B)FLUORANTHENE	0.21	U	
BENZO(G,H,I)PERYLENE	0.21	UJ	C
BENZO(K)FLUORANTHENE	0.21	U	
CHRYSENE	0.21	U	
DIBENZO(A,H)ANTHRACENE	0.21	UJ	C
FLUORANTHENE	0.21	U	
FLUORENE	0.21	U	
INDENO(1,2,3-CD)PYRENE	0.21	UJ	C
NAPHTHALENE	0.21	UJ	C
PHENANTHRENE	0.21	U	
PYRENE	0.21	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: PAH

nsample	09GLM04S02
samp_date	5/13/2003
lab_id	WT1109-12
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.15	J	P
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	UJ	C
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.33		
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	09GLM06S02
samp_date	5/13/2003
lab_id	WT1109-20RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	UJ	C
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	UJ	C
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	UJ	C
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	09GLM08S02
samp_date	5/13/2003
lab_id	WT1109-17
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	7.7	J	G
2-METHYLNAPHTHALENE	8.5	J	C
ACENAPHTHENE	0.11	J	N
ACENAPHTHYLENE	0.2	UJ	N
ANTHRACENE	0.2	UJ	N
BENZO(A)ANTHRACENE	0.2	UJ	N
BENZO(A)PYRENE	0.2	UJ	N
BENZO(B)FLUORANTHENE	0.2	UJ	N
BENZO(G,H,I)PERYLENE	0.2	UJ	N
BENZO(K)FLUORANTHENE	0.2	UJ	N
CHRYSENE	0.2	UJ	N
DIBENZO(A,H)ANTHRACENE	0.2	UJ	N
FLUORANTHENE	0.2	UJ	N
FLUORENE	0.2	UJ	N
INDENO(1,2,3-CD)PYRENE	0.2	UJ	N
NAPHTHALENE	7.9	J	C
PHENANTHRENE	0.2	UJ	N
PYRENE	0.2	UJ	N

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: PAH

nsample	09GLM08S02D	nsample	09GLM09S02	nsample	09RB051303
samp_date	5/13/2003	samp_date	5/13/2003	samp_date	5/13/2003
lab_id	WT1109-18	lab_id	WT1109-13	lab_id	WT1109-16
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:	09GLM08S02	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	4.1	J	G
2-METHYLNAPHTHALENE	6.7	J	C
ACENAPHTHENE	0.084	J	PN
ACENAPHTHYLENE	0.2	UJ	N
ANTHRACENE	0.2	UJ	N
BENZO(A)ANTHRACENE	0.2	UJ	N
BENZO(A)PYRENE	0.2	UJ	N
BENZO(B)FLUORANTHENE	0.2	UJ	N
BENZO(G,H,I)PERYLENE	0.2	UJ	N
BENZO(K)FLUORANTHENE	0.2	UJ	N
CHRYSENE	0.2	UJ	N
DIBENZO(A,H)ANTHRACENE	0.2	UJ	N
FLUORANTHENE	0.2	UJ	N
FLUORENE	0.2	UJ	N
INDENO(1,2,3-CD)PYRENE	0.2	UJ	N
NAPHTHALENE	5.6	J	C
PHENANTHRENE	0.2	UJ	N
PYRENE	0.2	UJ	N

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	UJ	C
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.093	J	P
ACENAPHTHENE	0.11	J	P
ACENAPHTHYLENE	0.2	UJ	C
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.12	J	P
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: PAH

nsample	10GLM01R01	nsample	10GLM01R01D	nsample	10GLM0601
samp_date	5/14/2003	samp_date	5/14/2003	samp_date	5/14/2003
lab_id	WT1127-2	lab_id	WT1127-4	lab_id	WT1127-11RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	10GLM01R01	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	24		
2-METHYLNAPHTHALENE	35	J	C
ACENAPHTHENE	1.2	J	G
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	UJ	N
BENZO(A)ANTHRACENE	0.2	UJ	N
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	UJ	N
FLUORENE	0.89	J	G
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	27	J	C
PHENANTHRENE	2.5	J	G
PYRENE	0.2	UJ	N

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	18		
2-METHYLNAPHTHALENE	30	J	C
ACENAPHTHENE	2.8	J	G
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	UJ	N
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	UJ	N
BENZO(B)FLUORANTHENE	0.2	UJ	N
BENZO(G,H,I)PERYLENE	0.2	UJ	N
BENZO(K)FLUORANTHENE	0.2	UJ	N
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	UJ	N
FLUORANTHENE	0.2	UJ	N
FLUORENE	2.1	J	G
INDENO(1,2,3-CD)PYRENE	0.2	UJ	N
NAPHTHALENE	20	J	C
PHENANTHRENE	1.4	J	G
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	UJ	C
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	UJ	C
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	UJ	C
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: PAH

nsample	10GLM0701	nsample	10GLM0901
samp_date	5/14/2003	samp_date	5/14/2003
lab_id	WT1127-9RA	lab_id	WT1127-7
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	UJ	C
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	UJ	C
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	UJ	C
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-1
Client ID: 09GLM04S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	J	1	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	J	0.2	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-1
Client ID: 09GLM04S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		111%				
17060-07-0	1,2-Dichloroethane-D4		118%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-2
Client ID: 09GLM09S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	JB	3	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform		12	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-2
Client ID: 09GLM09S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		109%				
17060-07-0	1,2-Dichloroethane-D4		114%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-3
Client ID: 09GLM03S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-3
Client ID: 09GLM03S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		113%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-4
Client ID: 09GLM03I02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.4	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	0.5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	J	0.2	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	J	0.2	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-4
Client ID: 09GLM03I02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		112%				
17060-07-0	1,2-Dichloroethane-D4		114%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-5
Client ID: 09RB051303
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.2	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	JB	0.9	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	J	0.3	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone		5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	1	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	J	0.2	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-5
Client ID: 09RB051303
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		109%				
17060-07-0	1,2-Dichloroethane-D4		116%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-6
Client ID: 09TB051303
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	JB	1	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-6
Client ID: 09TB051303
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		113%				
17060-07-0	1,2-Dichloroethane-D4		116%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-7
Client ID: 09GLM08S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	J	0.3	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	J	0.2	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-7
Client ID: 09GLM08S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	J	0.3	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		113%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-8
Client ID: 09GLM08S02D
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	JB	2	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.2	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	0.2	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	J	0.5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	J	0.5	1.0	5	5	0.3
	m+p-Xylenes	J	0.5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	J	0.3	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-8
Client ID: 09GLM08S02D
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	J	0.7	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		116%				
17060-07-0	1,2-Dichloroethane-D4		121%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-9
Client ID: 09GLM02S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	JB	1	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-9
Client ID: 09GLM02S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		116%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/24/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-10
Client ID: 09GLM06S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/24/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-10
Client ID: 09GLM06S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		111%				
17060-07-0	1,2-Dichloroethane-D4		112%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/24/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-11
Client ID: 09GLM01S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date:
Analysis Date: 05/24/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-11
Client ID: 09GLM01S02
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		114%				
17060-07-0	1,2-Dichloroethane-D4		124%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-1
Client ID: 10GLM01R01
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	2	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.2	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	J	0.7	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	J	0.4	1.0	5	5	0.1
1330-20-7	Xylenes (total)	J	2	1.0	5	5	0.3
	m+p-Xylenes	J	1	1.0	5	5	0.2
95-47-6	o-Xylene	J	1	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	J	0.5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-1
Client ID: 10GLM01R01
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene		5	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene		13	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	J	0.5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	JB	0.3	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		116%				
17060-07-0	1,2-Dichloroethane-D4		120%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-3
Client ID: 10GLM01R01D
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	2	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.2	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	0.2	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	J	0.6	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	J	0.4	1.0	5	5	0.1
1330-20-7	Xylenes (total)	J	2	1.0	5	5	0.3
	m+p-Xylenes	J	1	1.0	5	5	0.2
95-47-6	o-Xylene	J	1	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	J	0.6	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-3
Client ID: 10GLM01R01D
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene		6	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene		13	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		118%				
17060-07-0	1,2-Dichloroethane-D4		119%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		106%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-5
Client ID: 10TL05/14/03
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-5
Client ID: 10TL05/14/03
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		114%				
17060-07-0	1,2-Dichloroethane-D4		117%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-6
Client ID: 10GLM0901
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.2	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-6
Client ID: 10GLM0901
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		112%				
17060-07-0	1,2-Dichloroethane-D4		115%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-8
Client ID: 10GLM0701
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	1	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-8
Client ID: 10GLM0701
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		112%				
17060-07-0	1,2-Dichloroethane-D4		118%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-10
Client ID: 10GLM0601
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	2	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-10
Client ID: 10GLM0601
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		114%				
17060-07-0	1,2-Dichloroethane-D4		120%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		97%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-12
Client ID: 03RL051403
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	1	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	JB	0.7	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	J	0.3	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone		5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	0.6	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-12
Client ID: 03RL051403
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		110%				
17060-07-0	1,2-Dichloroethane-D4		121%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		105%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-14
Client ID: 03GLM0402
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	J	0.4	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.3	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	J	0.6	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-14
Client ID: 03GLM0402
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		116%				
17060-07-0	1,2-Dichloroethane-D4		123%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/06/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-1
Client ID: 09GLM04S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate		13	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/06/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-1
Client ID: 09GLM04S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		47%				
13127-88-3	Phenol-D6		51%				
4165-60-0	Nitrobenzene-D5		61%				
321-60-8	2-Fluorobiphenyl		60%				
118-79-6	2,4,6-Tribromophenol		60%				
1718-51-0	Terphenyl-D14		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/06/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-2
Client ID: 09GLM09S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/06/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-2
Client ID: 09GLM09S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		36%				
13127-88-3	Phenol-D6		40%				
4165-60-0	Nitrobenzene-D5		50%				
321-60-8	2-Fluorobiphenyl		52%				
118-79-6	2,4,6-Tribromophenol		65%				
1718-51-0	Terphenyl-D14		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/09/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-3RA
Client ID: 09GLM03S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/09/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-3RA
Client ID: 09GLM03S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		53%				
13127-88-3	Phenol-D6		56%				
4165-60-0	Nitrobenzene-D5		72%				
321-60-8	2-Fluorobiphenyl		72%				
118-79-6	2,4,6-Tribromophenol		101%				
1718-51-0	Terphenyl-D14		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/11/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-4
Client ID: 09GLM03I02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol		14	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/11/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-4
Client ID: 09GLM03I02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		42%				
13127-88-3	Phenol-D6		47%				
4165-60-0	Nitrobenzene-D5		53%				
321-60-8	2-Fluorobiphenyl		74%				
118-79-6	2,4,6-Tribromophenol		73%				
1718-51-0	Terphenyl-D14		63%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/07/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-5
Client ID: 09RB051303
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
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Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/07/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-5
Client ID: 09RB051303
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		43%				
13127-88-3	Phenol-D6		48%				
4165-60-0	Nitrobenzene-D5		58%				
321-60-8	2-Fluorobiphenyl		50%				
118-79-6	2,4,6-Tribromophenol		66%				
1718-51-0	Terphenyl-D14		63%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
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PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/07/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-7
Client ID: 09GLM08S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/07/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-7
Client ID: 09GLM08S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		46%				
13127-88-3	Phenol-D6		51%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		52%				
118-79-6	2,4,6-Tribromophenol		94%				
1718-51-0	Terphenyl-D14		66%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
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Extraction Date: 05/19/03
Analysis Date: 06/07/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-8
Client ID: 09GLM08S02D
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
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Extraction Date: 05/19/03
Analysis Date: 06/07/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-8
Client ID: 09GLM08S02D
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		* 10%				
13127-88-3	Phenol-D6		12%				
4165-60-0	Nitrobenzene-D5		* 8%				
321-60-8	2-Fluorobiphenyl		* 44%				
118-79-6	2,4,6-Tribromophenol		32%				
1718-51-0	Terphenyl-D14		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/07/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-9
Client ID: 09GLM02S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/07/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-9
Client ID: 09GLM02S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		48%				
13127-88-3	Phenol-D6		50%				
4165-60-0	Nitrobenzene-D5		60%				
321-60-8	2-Fluorobiphenyl		50%				
118-79-6	2,4,6-Tribromophenol		89%				
1718-51-0	Terphenyl-D14		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/07/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-10
Client ID: 09GLM06S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/07/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-10
Client ID: 09GLM06S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		38%				
13127-88-3	Phenol-D6		44%				
4165-60-0	Nitrobenzene-D5		56%				
321-60-8	2-Fluorobiphenyl		49%				
118-79-6	2,4,6-Tribromophenol		69%				
1718-51-0	Terphenyl-D14		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/09/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-11
Client ID: 09GLM01S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.9
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.9
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	26	1.0	25	26	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	26	1.0	25	26	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	26	1.0	25	26	2
51-28-5	2,4-Dinitrophenol	U	26	1.0	25	26	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	26	1.0	25	26	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.8
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	26	1.0	25	26	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	26	1.0	25	26	8
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.8
87-86-5	Pentachlorophenol	U	26	1.0	25	26	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/09/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-11
Client ID: 09GLM01S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		47%				
13127-88-3	Phenol-D6		51%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		51%				
118-79-6	2,4,6-Tribromophenol		76%				
1718-51-0	Terphenyl-D14		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-1
Client ID: 10GLM01R01
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	J	5	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-1
Client ID: 10GLM01R01
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		48%				
13127-88-3	Phenol-D6		56%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		81%				
1718-51-0	Terphenyl-D14		60%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-3
Client ID: 10GLM01R01D
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	J	4	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate		42	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-3
Client ID: 10GLM01R01D
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		21%				
13127-88-3	Phenol-D6		39%				
4165-60-0	Nitrobenzene-D5		52%				
321-60-8	2-Fluorobiphenyl		70%				
118-79-6	2,4,6-Tribromophenol		52%				
1718-51-0	Terphenyl-D14		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-6
Client ID: 10GLM0901
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-6
Client ID: 10GLM0901
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		44%				
13127-88-3	Phenol-D6		48%				
4165-60-0	Nitrobenzene-D5		54%				
321-60-8	2-Fluorobiphenyl		50%				
118-79-6	2,4,6-Tribromophenol		80%				
1718-51-0	Terphenyl-D14		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 05/27/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-8
Client ID: 10GLM0701
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 05/27/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-8
Client ID: 10GLM0701
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		62%				
13127-88-3	Phenol-D6		60%				
4165-60-0	Nitrobenzene-D5		75%				
321-60-8	2-Fluorobiphenyl		63%				
118-79-6	2,4,6-Tribromophenol		87%				
1718-51-0	Terphenyl-D14		61%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 05/27/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-10
Client ID: 10GLM0601
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 05/27/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-10
Client ID: 10GLM0601
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		* 4%				
13127-88-3	Phenol-D6		16%				
4165-60-0	Nitrobenzene-D5		38%				
321-60-8	2-Fluorobiphenyl		62%				
118-79-6	2,4,6-Tribromophenol		* 16%				
1718-51-0	Terphenyl-D14		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-12
Client ID: 03RL051403
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-12
Client ID: 03RL051403
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	9
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	9
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	9
1912-24-9	Atrazine	U	10	1.0	10	10	9
367-12-4	2-Fluorophenol		20%				
13127-88-3	Phenol-D6		38%				
4165-60-0	Nitrobenzene-D5		54%				
321-60-8	2-Fluorobiphenyl		54%				
118-79-6	2,4,6-Tribromophenol		50%				
1718-51-0	Terphenyl-D14		65%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-14
Client ID: 03GLM0402
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-14
Client ID: 03GLM0402
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		55%				
4165-60-0	Nitrobenzene-D5		60%				
321-60-8	2-Fluorobiphenyl		57%				
118-79-6	2,4,6-Tribromophenol		84%				
1718-51-0	Terphenyl-D14		43%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/20/03
Analysis Date: 06/10/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-12
Client ID: 03RL051403
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2334
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.024
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.021
76-44-8	Heptachlor	U	0.050	1.0	0.050	0.050	0.023
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.041
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.021
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.028
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.022
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.017
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.027
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.016
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.017
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.027
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.016
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.029
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.020
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.022
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.044
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.89
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.018
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.018
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.019
877-09-8	Tetrachloro-m-Xylene		67%				
2051-24-3	Decachlorobiphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/20/03
Analysis Date: 06/10/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-14
Client ID: 03GLM0402
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: SCWG2334
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.024
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.022
76-44-8	Heptachlor	U	0.050	1.0	0.050	0.050	0.024
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.041
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.022
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.028
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.022
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.018
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.027
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.017
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.018
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.027
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.016
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.029
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.020
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.022
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.044
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.90
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.019
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.019
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.020
877-09-8	Tetrachloro-m-Xylene		60%				
2051-24-3	Decachlorobiphenyl		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/20/03
Analysis Date: 06/07/03
Report Date: 06/11/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-12
Client ID: 03RL051403
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2335
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	0.29
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.31
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.24
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.13
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.16
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.12
877-09-8	Tetrachloro-m-xylene		67%				
2051-24-3	Decachlorobiphenyl		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/20/03
Analysis Date: 06/11/03
Report Date: 06/11/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-14
Client ID: 03GLM0402
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: SCWG2335
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	0.29
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.31
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.24
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.13
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.16
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.12
877-09-8	Tetrachloro-m-xylene		73%				
2051-24-3	Decachlorobiphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/09/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-12
Client ID: 09GLM04S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		0.33	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	J	0.15	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		72%				
81103-79-9	Fluorene-d10		78%				
1718-52-1	Pyrene-d10		65%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/09/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-13
Client ID: 09GLM09S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.087
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		52%				
81103-79-9	Fluorene-d10		94%				
1718-52-1	Pyrene-d10		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/09/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-14
Client ID: 09GLM03S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.079
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.079
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.079
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.079
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.089
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.089
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.079
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.089
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.099
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.079
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.079
7297-45-2	2-Methylnaphthalene-d10		47%				
81103-79-9	Fluorene-d10		85%				
1718-52-1	Pyrene-d10		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/09/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-15
Client ID: 09GLM03I02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		122%				
81103-79-9	Fluorene-d10		100%				
1718-52-1	Pyrene-d10		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/09/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-16
Client ID: 09RB051303
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	J	0.12	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	J	0.093	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	J	0.11	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		56%				
81103-79-9	Fluorene-d10		106%				
1718-52-1	Pyrene-d10		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/10/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-17
Client ID: 09GLM08S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	11	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	E	15	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	J	0.11	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	E	7.2	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		70%				
81103-79-9	Fluorene-d10		107%				
1718-52-1	Pyrene-d10		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-17DL
Client ID: 09GLM08S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		7.9	10	0.20	2.0	0.49
91-57-6	2-Methylnaphthalene		8.5	10	0.20	2.0	0.78
208-96-8	Acenaphthylene	U	2.0	10	0.20	2.0	0.49
83-32-9	Acenaphthene	U	2.0	10	0.20	2.0	0.78
86-73-7	Fluorene	U	2.0	10	0.20	2.0	0.59
85-01-8	Phenanthrene	U	2.0	10	0.20	2.0	0.78
120-12-7	Anthracene	U	2.0	10	0.20	2.0	0.78
206-44-0	Fluoranthene	U	2.0	10	0.20	2.0	1.1
129-00-0	Pyrene	U	2.0	10	0.20	2.0	0.88
56-55-3	Benzo(a)anthracene	U	2.0	10	0.20	2.0	1.2
218-01-9	Chrysene	U	2.0	10	0.20	2.0	0.69
205-99-2	Benzo(b)fluoranthene	U	2.0	10	0.20	2.0	0.88
207-08-9	Benzo(k)fluoranthene	U	2.0	10	0.20	2.0	0.78
50-32-8	Benzo(a)pyrene	U	2.0	10	0.20	2.0	0.88
193-39-5	Indeno(1,2,3-cd)pyrene	U	2.0	10	0.20	2.0	0.98
53-70-3	Dibenzo(a,h)anthracene	U	2.0	10	0.20	2.0	1.5
191-24-2	Benzo(g,h,i)perylene	U	2.0	10	0.20	2.0	0.78
90-12-0	1-Methylnaphthalene		7.7	10	0.20	2.0	0.78
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/10/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-18
Client ID: 09GLM08S02D
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	7.6	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	E	10	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	J	0.084	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	E	4.8	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		48%				
81103-79-9	Fluorene-d10		74%				
1718-52-1	Pyrene-d10		79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-18DL
Client ID: 09GLM08S02D
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		5.6	5.0	0.20	0.96	0.24
91-57-6	2-Methylnaphthalene		6.7	5.0	0.20	0.96	0.38
208-96-8	Acenaphthylene	U	0.96	5.0	0.20	0.96	0.24
83-32-9	Acenaphthene	U	0.96	5.0	0.20	0.96	0.38
86-73-7	Fluorene	U	0.96	5.0	0.20	0.96	0.29
85-01-8	Phenanthrene	U	0.96	5.0	0.20	0.96	0.38
120-12-7	Anthracene	U	0.96	5.0	0.20	0.96	0.38
206-44-0	Fluoranthene	U	0.96	5.0	0.20	0.96	0.53
129-00-0	Pyrene	U	0.96	5.0	0.20	0.96	0.43
56-55-3	Benzo(a)anthracene	U	0.96	5.0	0.20	0.96	0.58
218-01-9	Chrysene	U	0.96	5.0	0.20	0.96	0.34
205-99-2	Benzo(b)fluoranthene	U	0.96	5.0	0.20	0.96	0.43
207-08-9	Benzo(k)fluoranthene	U	0.96	5.0	0.20	0.96	0.38
50-32-8	Benzo(a)pyrene	U	0.96	5.0	0.20	0.96	0.43
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.96	5.0	0.20	0.96	0.48
53-70-3	Dibenzo(a,h)anthracene	U	0.96	5.0	0.20	0.96	0.72
191-24-2	Benzo(g,h,i)perylene	U	0.96	5.0	0.20	0.96	0.38
90-12-0	1-Methylnaphthalene		4.1	5.0	0.20	0.96	0.38
7297-45-2	2-Methylnaphthalene-d10		* 0%				
81103-79-9	Fluorene-d10		* 0%				
1718-52-1	Pyrene-d10		* 0%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-19
Client ID: 09GLM02S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		48%				
81103-79-9	Fluorene-d10		90%				
1718-52-1	Pyrene-d10		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-19RA
Client ID: 09GLM02S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		62%				
81103-79-9	Fluorene-d10		137%				
1718-52-1	Pyrene-d10		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-20RA
Client ID: 09GLM06S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.079
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.079
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.079
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.079
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.089
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.089
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.079
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.089
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.099
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.079
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.079
7297-45-2	2-Methylnaphthalene-d10		94%				
81103-79-9	Fluorene-d10		125%				
1718-52-1	Pyrene-d10		97%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/13/03
Received Date: 05/14/03
Extraction Date: 05/19/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1109-21RA
Client ID: 09GLM01S02
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.21	1.0	0.20	0.21	0.052
91-57-6	2-Methylnaphthalene	U	0.21	1.0	0.20	0.21	0.082
208-96-8	Acenaphthylene	U	0.21	1.0	0.20	0.21	0.052
83-32-9	Acenaphthene	U	0.21	1.0	0.20	0.21	0.082
86-73-7	Fluorene	U	0.21	1.0	0.20	0.21	0.062
85-01-8	Phenanthrene	U	0.21	1.0	0.20	0.21	0.082
120-12-7	Anthracene	U	0.21	1.0	0.20	0.21	0.082
206-44-0	Fluoranthene	U	0.21	1.0	0.20	0.21	0.11
129-00-0	Pyrene	U	0.21	1.0	0.20	0.21	0.093
56-55-3	Benzo(a)anthracene	U	0.21	1.0	0.20	0.21	0.12
218-01-9	Chrysene	U	0.21	1.0	0.20	0.21	0.072
205-99-2	Benzo(b)fluoranthene	U	0.21	1.0	0.20	0.21	0.093
207-08-9	Benzo(k)fluoranthene	U	0.21	1.0	0.20	0.21	0.082
50-32-8	Benzo(a)pyrene	U	0.21	1.0	0.20	0.21	0.093
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.21	1.0	0.20	0.21	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.21	1.0	0.20	0.21	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.21	1.0	0.20	0.21	0.082
90-12-0	1-Methylnaphthalene	U	0.21	1.0	0.20	0.21	0.082
7297-45-2	2-Methylnaphthalene-d10		89%				
81103-79-9	Fluorene-d10		89%				
1718-52-1	Pyrene-d10		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/07/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-2
Client ID: 10GLM01R01
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	38	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	E	76	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		1.2	1.0	0.20	0.20	0.078
86-73-7	Fluorene		0.89	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene		2.5	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.087
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	E	35	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		86%				
81103-79-9	Fluorene-d10		51%				
1718-52-1	Pyrene-d10		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-2DL
Client ID: 10GLM01R01
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		27	50	0.20	9.7	2.4
91-57-6	2-Methylnaphthalene		35	50	0.20	9.7	3.9
208-96-8	Acenaphthylene	U	9.7	50	0.20	9.7	2.4
83-32-9	Acenaphthene	U	9.7	50	0.20	9.7	3.9
86-73-7	Fluorene	U	9.7	50	0.20	9.7	2.9
85-01-8	Phenanthrene	U	9.7	50	0.20	9.7	3.9
120-12-7	Anthracene	U	9.7	50	0.20	9.7	3.9
206-44-0	Fluoranthene	U	9.7	50	0.20	9.7	5.3
129-00-0	Pyrene	U	9.7	50	0.20	9.7	4.4
56-55-3	Benzo(a)anthracene	U	9.7	50	0.20	9.7	5.8
218-01-9	Chrysene	U	9.7	50	0.20	9.7	3.4
205-99-2	Benzo(b)fluoranthene	U	9.7	50	0.20	9.7	4.4
207-08-9	Benzo(k)fluoranthene	U	9.7	50	0.20	9.7	3.9
50-32-8	Benzo(a)pyrene	U	9.7	50	0.20	9.7	4.4
193-39-5	Indeno(1,2,3-cd)pyrene	U	9.7	50	0.20	9.7	4.8
53-70-3	Dibenzo(a,h)anthracene	U	9.7	50	0.20	9.7	7.3
191-24-2	Benzo(g,h,i)perylene	U	9.7	50	0.20	9.7	3.9
90-12-0	1-Methylnaphthalene		24	50	0.20	9.7	3.9
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/07/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-4
Client ID: 10GLM01R01D
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	34	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	E	66	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		2.8	1.0	0.20	0.20	0.077
86-73-7	Fluorene		2.1	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene		1.4	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	E	31	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		80%				
81103-79-9	Fluorene-d10		99%				
1718-52-1	Pyrene-d10		69%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-4DL
Client ID: 10GLM01R01D
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		20	40	0.20	7.7	1.9
91-57-6	2-Methylnaphthalene		30	40	0.20	7.7	3.1
208-96-8	Acenaphthylene	U	7.7	40	0.20	7.7	1.9
83-32-9	Acenaphthene	J	4.0	40	0.20	7.7	3.1
86-73-7	Fluorene	U	7.7	40	0.20	7.7	2.3
85-01-8	Phenanthrene	U	7.7	40	0.20	7.7	3.1
120-12-7	Anthracene	U	7.7	40	0.20	7.7	3.1
206-44-0	Fluoranthene	U	7.7	40	0.20	7.7	4.2
129-00-0	Pyrene	U	7.7	40	0.20	7.7	3.5
56-55-3	Benzo(a)anthracene	U	7.7	40	0.20	7.7	4.6
218-01-9	Chrysene	U	7.7	40	0.20	7.7	2.7
205-99-2	Benzo(b)fluoranthene	U	7.7	40	0.20	7.7	3.5
207-08-9	Benzo(k)fluoranthene	U	7.7	40	0.20	7.7	3.1
50-32-8	Benzo(a)pyrene	U	7.7	40	0.20	7.7	3.5
193-39-5	Indeno(1,2,3-cd)pyrene	U	7.7	40	0.20	7.7	3.8
53-70-3	Dibenzo(a,h)anthracene	U	7.7	40	0.20	7.7	5.8
191-24-2	Benzo(g,h,i)perylene	U	7.7	40	0.20	7.7	3.1
90-12-0	1-Methylnaphthalene		18	40	0.20	7.7	3.1
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-7
Client ID: 10GLM0901
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		53%				
81103-79-9	Fluorene-d10		95%				
1718-52-1	Pyrene-d10		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-9RA
Client ID: 10GLM0701
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.087
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		46%				
81103-79-9	Fluorene-d10		78%				
1718-52-1	Pyrene-d10		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-11RA
Client ID: 10GLM0601
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		46%				
81103-79-9	Fluorene-d10		73%				
1718-52-1	Pyrene-d10		72%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-13RA
Client ID: 03RL051403
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	J	0.13	1.0	0.20	0.20	0.047
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.047
83-32-9	Acenaphthene	J	0.10	1.0	0.20	0.20	0.075
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.075
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.075
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.085
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.066
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.085
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.075
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.085
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.094
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.075
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
7297-45-2	2-Methylnaphthalene-d10		54%				
81103-79-9	Fluorene-d10		112%				
1718-52-1	Pyrene-d10		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1127-15
Client ID: 03GLM0402
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene		0.28	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.088
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		46%				
81103-79-9	Fluorene-d10		92%				
1718-52-1	Pyrene-d10		60%				

AIR TOXICS LTD.

SAMPLE NAME: 09GLM04S02

ID#: 0305322R1-01A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052212r**	**Date of Collection:**	**5/13/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.30
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 09GLM09S02

ID#: 0305322R1-02A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052213r**	**Date of Collection:**	**5/13/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 09GLM03S02

ID#: 0305322R1-03A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052214r**	**Date of Collection:**	**5/13/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.40
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 09GLM03I02

ID#: 0305322R1-04A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052215r**	**Date of Collection:**	**5/13/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	3.0
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 09GLM08S02

ID#: 0305322R1-05A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052216r	**Date of Collection:**	5/13/03
Dil. Factor:	1.00	**Date of Analysis:**	5/22/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.082
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 09GLM08S02D

ID#: 0305322R1-06A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052217r**	**Date of Collection:**	**5/13/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.053
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 09GLM02S02

ID#: 0305322R1-07A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052218r**	**Date of Collection:**	**5/13/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.027
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 09GLM06S02

ID#: 0305322R1-08A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052219r**	**Date of Collection:**	**5/13/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 09GLM06S02 Duplicate

ID#: 0305322R1-08AA

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052220r**	**Date of Collection:**	**5/13/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 09GLM01S02

ID#: 0305322R1-09A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052221r	Date of Collection:	5/13/03
Dil. Factor:	1.00	Date of Analysis:	5/22/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 10GLM01R01

ID#: 0305322R1-10A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052222r**	**Date of Collection:**	**5/14/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.18
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 10GLM01R01D

ID#: 0305322R1-11A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052223r**	**Date of Collection:**	**5/14/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.18
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 10GLM0901

ID#: 0305322R1-12A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052224r**	**Date of Collection:**	**5/14/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.85
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 10GLM0601

ID#: 0305322R1-14A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052226r**	**Date of Collection:**	**5/14/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.25
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 10GLM0701

ID#: 0305322R1-13A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052225r**	**Date of Collection:**	**5/14/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/22/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.50
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

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 PRINT IN PEN

Page ____ of ____

Client: TtNUS

Contact: M. Akers

Phone #: (850) 385-9899

Fax #: (850) 385-98

Address: 1401 Oven Park Dr. 201

City: Tallahassee

State: FL

Zip Code: 32308

Purchase Order #: N90601-WR 340 (35)

Proj. Name / No.:

Katahdin Quote #:

Bill (if different than above):

Address:

Sampler (Print / Sign): Larry W. Smith

Copies To:

LAB USE ONLY

WORK ORDER #:

KATAHDIN PROJECT MANAGER: CHHO

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.	TCL VOC 8260B	TCL SVOC 8270C/SIM	Selected metals As/Mn/Fe/Ca/K/Mg	RSK 147/175	Anions EPA 300 Cl⁻/SO₄⁻/NO₂/NO₃	TOC EPA 415.1							
					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	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	09GLM08502	5/13/03/0920	GW	11	3	2	1	2	1	2							
	09GLM08502D	5/13/03/0920	GW	11	3	2	1	2	1	2							
	09GLM02502	5/13/03/1140	GW	11	3	2	1	2	1	2							
	09GLM06502	5/13/03/1335	GW	11	3	2	1	2	1	2							
	09GLM01502	5/13/03/1445	GW	11	3	2	1	2	1	2							
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Larry W Smith	13/May 03 15:30	[illegible]	5/14/03 8:30		
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

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Page ____ of ____

Client: TE NUS
Contact: Mike Akers
Phone #: (850) 385-9899
Fax #: (850) 385-98[illegible]
Address: 1401 Oven Park Dr
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: N90601-WR 340
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): Larry W. Smith Larry W Smith
Copies To:

LAB USE ONLY
WORK ORDER #: W1104
KATAHDIN PROJECT MANAGER:

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.	TLC VOC 8260B	TLC SVOC 8270C/SIM	Metals, selected 6010B	Dissolved Gases RSK 147/175	Anions EPA 300	TOC EPA 415.1						
				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	Filt. ☐Y ☐N	Filt. ☐Y ☐N
Ø9GLMØ45Ø2	13MayØ3/0930	GW	11	3	2	1	2	1	2						
Ø9GLMØ95Ø2	13May03/1140	GW	11	3	2	1	2	1	2						
Ø9GLMØ35Ø2	13May03/1315	GW	11	3	2	1	2	1	2						
Ø9GLMØ3IØ2	13May03/1310	GW	11	3	2	1	2	1	2						
D9RBO51303	13May03/1500	GW	6	3	3	1									
D9TBO51303	13May03/	GW	2	2											
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Larry W Smith	13May03 1530	[illegible]	5/14/03 0930		
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

ORIGINAL

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

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Page ____ of ____

Client: T+WVS
Contact: M. Akers
Phone #: (850) 385-9899
Fax #: (850) 385-98[illegible]
Address: 1401 Oven Park Dr. St 201
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340 W9061
Proj. Name / No.: CTO 287
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY WORK ORDER #: WT1127
KATAHDIN PROJECT MANAGER:
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.	TCL VOLS 8260B (Filt. ☐Y ☒N)	TCL SVOC/SIM 8270C SIM (Filt. ☐Y ☒N)	Selected metals As/Mn/Mg/Ca/K/Na (Filt. ☐Y ☒N)	RSK 147/175 (Filt. ☐Y ☒N)	Anions EPA 300 Cl⁻/SO₄²⁻/NO₂⁻/NO₃⁻ (Filt. ☐Y ☒N)	TOC EPA 415.1 (Filt. ☐Y ☒N)	TCL PEST/PCB 8081/8082 (Filt. ☐Y ☒N)	TAL metals + mercury (Filt. ☐Y ☒N)	Cyanide (Filt. ☐Y ☒N)	Filt. ☐Y
10GLM01R01	5/14/03/0825	GW	11	3	2	1	2	1	2				
10GLM01R01D	5/14/03/0825	GW	11	3	2	1	2	1	2				
10TL05/14/03	5/14/03/0825	QA	2	2	—	—	—	—	—				
10GLM09 01	5/14/03/0947	GW	11	3	2	1	2	1	2				
10GLM07 01	5/14/03/1110	GW	11	3	2	1	2	1	2				
10GLM06 01	5/14/03/1310	GW	11	3	2	1	2	1	2				
03RL051403	5/14/03/1420	QA	9	3	2	—	—	—	—	2	1	1	
03GLM0402	5/14/03/1525	GW	9	3	2	—	—	—	—	2	1	1	
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	5/14/03 1630	[signature]	5/15/03 0820		
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

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

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Page ____ of ____

lient: TE NUS
Contact: Mike Akers
Phone #: (850) 385-9899
Fax #: (850) 385-98
ddress: 1401 Oven Park Dr
City: Tallahassee
State: FL
Zip Code: 32308
urchase Order #: N90601-WR 340
Proj. Name / No.:
Katahdin Quote #:
ill (if different than above):
Address:
ampler (Print / Sign): Larry W. Smith Larry W Smith
Copies To:

AB USE ONLY
WORK ORDER #: WT1104
KATAHDIN PROJECT MANAGER:

EMARKS:

HIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
IRBILL NO:
EMP°C _____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TLC VOC 8260B	TLC SVOC 8270C/SIM	Metals, selected 6010B	Dissolved Gases RSK 147/175	Anions EPA 300	TOC EPA 415.1					
				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	Fi ☐Y
09GLM045Ø2	13May03/0930	GW	11	3	2	1	2	1	2					
09GLM095Ø2	13May03/1140	GW	11	3	2	1	2	1	2					
09GLM035Ø2	13May03/1315	GW	11	3	2	1	2	1	2					
09GLM03IØ2	13May03/1310	GW	11	3	2	1	2	1	2					
09RB051303	13May03/1500	GW	6	3	3	1								
09TB051303	13May03/	GW	2	2										
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OMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Larry W Smith	13May03 1530	Larry Breed	5/14/03 0930		
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

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

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Page ____ of

Client: TtNUS

Contact: M. Akers

Phone #: (850) 385-9899

Fax #: (850) 385-9

Address: 1401 Oven Park Dr. 201

City: Tallahassee

State: FL

Zip Code: 32308

Purchase Order #: N90601-WR 340 (35)

Proj. Name / No.:

Bill (if different than above):

Katahdin Quote #:

Address:

Sampler (Print / Sign): Larry W. Smith

Copies To:

LAB USE ONLY

WORK ORDER #:

KATAHDIN PROJECT MANAGER: CHHO

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.	TCL VOC 8260B	TCL SVOC 8270C/SIM	Selected metals As/Mn/Fe/Ca/K/Mg	RSK 147/175	Anions EPA 300 Cl⁻/SO₄²⁻/NO₃⁻	TOC EPA 415.1						
				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		
09GLM08502	5/13/03/0920	GW	11	3	2	1	2	1	2						
09GLM08502D	5/13/03/0920	GW	11	3	2	1	2	1	2						
09GLM02502	5/13/03/1140	GW	11	3	2	1	2	1	2						
09GLM06502	5/13/03/1335	GW	11	3	2	1	2	1	2						
09GLM01502	5/13/03/1445	GW	11	3	2	1	2	1	2						
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Larry W. Smith	13/May 03 1530	[illegible]	5/14/03 0930		
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

Page ____ of ____

Client: TtWUS
Contact: M. Akers
Phone #: (850) 385-9899
Fax #: (850) 385-98[illegible]
Address: 1401 Oven Park Dr. St 201
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340 W9061
Proj. Name / No.: CTO 287
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY
WORK ORDER #: WT1127
KATAHDIN PROJECT MANAGER:
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.	TCL VOLS 8260B	TCL SVOC/SIM 8270C SIM	Selected metals As/Ba/Mg/Ka/K/Mn	RSK 147/175	Anions EPA 300 Cl/SO4/NO2/NO3	TOC EPA 415.1	TCL PEST/PCB 8081/8082	TAL metals + mercury	Cyanide
10GLM01R01	5/14/03/0825	GW	11	3	2	1	2	1	2			
10GLM01R01D	5/14/03/0825	GW	11	3	2	1	2	1	2			
10TL05/14/03	5/14/03/0825	QA	2	2								
10GLM09 01	5/14/03/0947	GW	11	3	2	1	2	1	2			
10GLM07 01	5/14/03/1110	GW	11	3	2	1	2	1	2			
10GLM06 01	5/14/03/1310	GW	11	3	2	1	2	1	2			
03RL051403	5/14/03/1420	QA	9	3	2					2	1	1
03GLM0402	5/14/03/1525	GW	9	3	2					2	1	1
	/											
	/											
	/											
	/											
	/											
	/											
	/											
	/											

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	5/14/03 1630	[signature]	5/15/03 0820		
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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2405-2
Client ID: WG2405-Blank
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	2	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	J	1	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2405-2
Client ID: WG2405-Blank
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	J	0.7	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		111%				
17060-07-0	1,2-Dichloroethane-D4		115%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2406-2
Client ID: WG2406-Blank
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	J	0.6	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2406-2
Client ID: WG2406-Blank
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.5
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	J	0.5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		112%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		101%				

FORM 2

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES, Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG2405-LCS	WG2405-1	110	113	104	110	0
02	WG2405-BLANK	WG2405-2	111	115	98	99	0
03	09GLM04S02	WT1109-1	111	118	100	100	0
04	09GLM09S02	WT1109-2	109	114	99	101	0
05	09GLM03S02	WT1109-3	108	113	98	102	0
06	09GLM03I02	WT1109-4	112	114	100	101	0
07	09RB051303	WT1109-5	109	116	101	101	0
08	09TB051303	WT1109-6	113	116	100	102	0
09	09GLM08S02	WT1109-7	108	113	100	102	0
10	09GLM08S02D	WT1109-8	116	121	102	103	0
11	09GLM02S02	WT1109-9	108	116	98	102	0
12	09GLM06S02	WT1109-10	111	112	99	102	0
13	09GLM01S02	WT1109-11	114	124	100	101	0
14	WG2406-LCS	WG2406-1	112	113	101	110	0
15	WG2406-BLANK	WG2406-2	108	112	99	101	0
16	10GLM01R01	WT1127-1	116	120	98	103	0
17	10GLM01R01D	WT1127-3	118	119	102	106	0
18	10TL05/14/03	WT1127-5	114	117	98	99	0
19	10GLM0901	WT1127-6	112	115	98	103	0
20	10GLM0701	WT1127-8	112	118	101	103	0
21	10GLM0601	WT1127-10	114	120	96	97	0
22	03RL051403	WT1127-12	110	121	100	105	0
23	03GLM0402	WT1127-14	116	123	97	98	0
24							
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(75-129)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(65-135)
SMC3 (TOL)	= Toluene-D8	(82-120)
SMC4 (BFB)	= P-Bromofluorobenzene	(69-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM II VOA-1

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER

Lab ID: WG2405-1
Client ID: WG2405-LCS
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	52	105	4-217
Chloromethane	50	NA	51	101	40-163
Vinyl chloride	50	NA	50	101	55-151
Bromomethane	50	NA	54	109	24-217
Chloroethane	50	NA	52	103	69-134
Trichlorofluoromethane	50	NA	52	104	71-147
1,1-Dichloroethene	50	NA	49	98	78-136
Carbon Disulfide	50	NA	47	93	70-136
Freon-113	50	NA	46	93	60-140
Methylene Chloride	50	NA	47	95	52-115
Acetone	50	NA	67	135	0-158
trans-1,2-Dichloroethene	50	NA	52	104	84-131
Methyl tert-butyl ether	50	NA	72	* 144	62-130
1,1-Dichloroethane	50	NA	53	105	81-134
cis-1,2-Dichloroethene	50	NA	50	100	84-123
1,2-Dichloroethylene (total)	100	NA	102	102	84-131
Chloroform	50	NA	50	101	80-130
Carbon Tetrachloride	50	NA	52	104	74-137
1,1,1-Trichloroethane	50	NA	52	104	76-138
2-Butanone	50	NA	63	126	49-154
Benzene	50	NA	49	98	88-120
Cyclohexane		NA			60-140
1,2-Dichloroethane	50	NA	54	108	78-138
Trichloroethene	50	NA	49	99	80-125
1,2-Dichloropropane	50	NA	49	98	80-122
Bromodichloromethane	50	NA	51	102	83-133
cis-1,3-dichloropropene	50	NA	53	106	81-138
Toluene	50	NA	50	101	88-121
4-methyl-2-pentanone	50	NA	58	117	72-140
Tetrachloroethene	50	NA	51	101	77-129
trans-1,3-Dichloropropene	50	NA	53	106	81-149
1,1,2-Trichloroethane	50	NA	58	117	82-126
Dibromochloromethane	50	NA	52	105	80-133
1,2-Dibromoethane	50	NA	54	108	88-127
2-Hexanone	50	NA	57	113	45-146
Chlorobenzene	50	NA	49	99	84-123
Ethylbenzene	50	NA	49	98	84-131
Xylenes (total)	150	NA	152	101	88-123
m+p-Xylenes	100	NA	101	101	88-122
o-Xylene	50	NA	51	101	90-123
Styrene	50	NA	51	103	87-131
Bromoform	50	NA	55	109	77-138
Isopropylbenzene	50	NA	50	101	88-125
1,1,2,2-Tetrachloroethane	50	NA	56	112	81-131
1,3-Dichlorobenzene	50	NA	49	98	86-124

FORM III VOA-1

F0312.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/23/03
Report Date: 06/16/2003
Matrix: WATER

Lab ID: WG2405-1
Client ID: WG2405-LCS
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2405
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,4-Dichlorobenzene	50	NA	50	101	80-127
1,2-Dichlorobenzene	50	NA	51	102	86-126
1,2-Dibromo-3-Chloropropane	50	NA	61	122	61-136
1,2,4-Trichlorobenzene	50	NA	53	106	53-157
Methyl Acetate	50	NA	61	122	60-140
Methylcyclohexane	50	NA	49	98	60-140

FORM III VOA-1

F0312.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER

Lab ID: WG2406-1
Client ID: WG2406-LCS
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	55		111	4-217
Chloromethane	50	NA	50		99	40-163
Vinyl chloride	50	NA	54		108	55-151
Bromomethane	50	NA	56		112	24-217
Chloroethane	50	NA	52		104	69-134
Trichlorofluoromethane	50	NA	58		117	71-147
1,1-Dichloroethene	50	NA	49		97	78-136
Carbon Disulfide	50	NA	48		96	70-136
Freon-113	50	NA	49		98	60-140
Methylene Chloride	50	NA	50		100	52-115
Acetone	50	NA	58		117	0-158
trans-1,2-Dichloroethene	50	NA	52		104	84-131
Methyl tert-butyl ether	50	NA	69	*	138	62-130
1,1-Dichloroethane	50	NA	53		107	81-134
cis-1,2-Dichloroethene	50	NA	51		102	84-123
1,2-Dichloroethylene (total)	100	NA	103		103	84-131
Chloroform	50	NA	53		105	80-130
Carbon Tetrachloride	50	NA	54		107	74-137
1,1,1-Trichloroethane	50	NA	56		113	76-138
2-Butanone	50	NA	60		120	49-154
Benzene	50	NA	47		94	88-120
Cyclohexane		NA				60-140
1,2-Dichlorcethane	50	NA	55		109	78-138
Trichloroethene	50	NA	52		103	80-125
1,2-Dichloropropane	50	NA	47		94	80-122
Bromodichloromethane	50	NA	50		100	83-133
cis-1,3-dichloropropene	50	NA	52		105	81-138
Toluene	50	NA	48		97	88-121
4-methyl-2-pentanone	50	NA	53		106	72-140
Tetrachloroethene	50	NA	50		100	77-129
trans-1,3-Dichloropropene	50	NA	52		105	81-149
1,1,2-Trichloroethane	50	NA	57		113	82-126
Dibromochloromethane	50	NA	52		105	80-133
1,2-Dibromoethane	50	NA	52		105	88-127
2-Hexanone	50	NA	51		102	45-146
Chlorobenzene	50	NA	49		98	84-123
Ethylbenzene	50	NA	49		99	84-131
Xylenes (total)	150	NA	152		101	88-123
m+p-Xylenes	100	NA	101		101	88-122
o-Xylene	50	NA	50		100	90-123
Styrene	50	NA	51		101	87-131
Bromoform	50	NA	55		110	77-138
Isopropylbenzene	50	NA	48		97	88-125
1,1,2,2-Tetrachloroethane	50	NA	52		104	81-131
1,3-Dichlorobenzene	50	NA	49		98	86-124

FORM III VOA-1

F0330.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/16/2003
Matrix: WATER

Lab ID: WG2406-1
Client ID: WG2406-LCS
SDG: CTO287-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,4-Dichlorobenzene	50	NA	51	101	80-127
1,2-Dichlorobenzene	50	NA	51	102	86-126
1,2-Dibromo-3-Chloropropane	50	NA	61	122	61-136
1,2,4-Trichlorobenzene	50	NA	53	106	53-157
Methyl Acetate	50	NA	58	115	60-140
Methylcyclohexane	50	NA	50	99	60-140

FORM III VOA-1

F0330.D

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2405-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: F0314 Lab Sample ID: WG2405-2

Date Analyzed: 05/23/03 Time Analyzed: 1902

GC Column: RTX-624 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	WG2405-LCS	WG2405-1	F0312	05/23/03	1756
02	09GLM04S02	WT1109-1	F0315	05/23/03	1934
03	09GLM09S02	WT1109-2	F0316	05/23/03	2007
04	09GLM03S02	WT1109-3	F0317	05/23/03	2040
05	09GLM03I02	WT1109-4	F0318	05/23/03	2113
06	09RB051303	WT1109-5	F0319	05/23/03	2145
07	09TB051303	WT1109-6	F0320	05/23/03	2218
08	09GLM08S02	WT1109-7	F0321	05/23/03	2251
09	09GLM08S02D	WT1109-8	F0322	05/23/03	2324
10	09GLM02S02	WT1109-9	F0323	05/23/03	2356
11	09GLM06S02	WT1109-10	F0324	05/24/03	0028
12	09GLM01S02	WT1109-11	F0325	05/24/03	0101
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COMMENTS:

FORM IV VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2406-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: F0332 Lab Sample ID: WG2406-2

Date Analyzed: 05/25/03 Time Analyzed: 1224

GC Column: RTX-624 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	WG2406-LCS	WG2406-1	F0330	05/25/03	1044
02	10GLM01R01	WT1127-1	F0333	05/25/03	1257
03	10GLM01R01D	WT1127-3	F0334	05/25/03	1329
04	10TL05/14/03	WT1127-5	F0335	05/25/03	1402
05	10GLM0901	WT1127-6	F0336	05/25/03	1435
06	10GLM0701	WT1127-8	F0337	05/25/03	1508
07	10GLM0601	WT1127-10	F0338	05/25/03	1541
08	03RL051403	WT1127-12	F0339	05/25/03	1613
09	03GLM0402	WT1127-14	F0340	05/25/03	1646
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COMMENTS:

FORM IV VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: FB156 BFB Injection Date: 05/23/03

Instrument ID: GCMS-F BFB Injection Time: 1056

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	19.3
75	30.0 - 60.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	74.6
175	4.0 - 9.0% of mass 174	4.5 (6.0)1
176	95.0 - 101.0% of mass 174	71.2 (95.4)1
177	5.0 - 9.0% of mass 176	5.2 (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		VSTD020F23A	F0304	05/23/03	1216
02		VSTD050F23A	F0305	05/23/03	1249
03		VSTD010F23A	F0306	05/23/03	1321
04		VSTD005F23A	F0307	05/23/03	1354
05		VSTD200F23A	F0308	05/23/03	1426
06		VSTD100F23B	F0309	05/23/03	1459
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: FB157 BFB Injection Date: 05/23/03

Instrument ID: GCMS-F BFB Injection Time: 1633

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	20.5
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	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	72.0
175	4.0 - 9.0% of mass 174	5.5 (7.7)1
176	95.0 - 101.0% of mass 174	71.2 (98.9)1
177	5.0 - 9.0% of mass 176	4.0 (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		VSTD050F23C	F0310	05/23/03	1648
02	WG2405-LCS	WG2405-1	F0312	05/23/03	1756
03	WG2405-BLANK	WG2405-2	F0314	05/23/03	1902
04	09GLM04S02	WT1109-1	F0315	05/23/03	1934
05	09GLM09S02	WT1109-2	F0316	05/23/03	2007
06	09GLM03S02	WT1109-3	F0317	05/23/03	2040
07	09GLM03I02	WT1109-4	F0318	05/23/03	2113
08	09RB051303	WT1109-5	F0319	05/23/03	2145
09	09TB051303	WT1109-6	F0320	05/23/03	2218
10	09GLM08S02	WT1109-7	F0321	05/23/03	2251
11	09GLM08S02D	WT1109-8	F0322	05/23/03	2324
12	09GLM02S02	WT1109-9	F0323	05/23/03	2356
13	09GLM06S02	WT1109-10	F0324	05/24/03	0028
14	09GLM01S02	WT1109-11	F0325	05/24/03	0101
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16					
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: FB159 BFB Injection Date: 05/25/03

Instrument ID: GCMS-F BFB Injection Time: 0906

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	19.0
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	61.7
175	4.0 - 9.0% of mass 174	4.6 (7.5)1
176	95.0 - 101.0% of mass 174	60.0 (97.2)1
177	5.0 - 9.0% of mass 176	4.8 (8.0)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		VSTD050F25A	F0329	05/25/03	0957
02	WG2406-LCS	WG2406-1	F0330	05/25/03	1044
03	WG2406-BLANK	WG2406-2	F0332	05/25/03	1224
04	10GLM01R01	WT1127-1	F0333	05/25/03	1257
05	10GLM01R01D	WT1127-3	F0334	05/25/03	1329
06	10TL05/14/03	WT1127-5	F0335	05/25/03	1402
07	10GLM0901	WT1127-6	F0336	05/25/03	1435
08	10GLM0701	WT1127-8	F0337	05/25/03	1508
09	10GLM0601	WT1127-10	F0338	05/25/03	1541
10	03RL051403	WT1127-12	F0339	05/25/03	1613
11	03GLM0402	WT1127-14	F0340	05/25/03	1646
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-F Calibration Date(s): 05/23/03 05/23/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1216 1459

LAB FILE ID: RF5: F0307 RF10: F0306 RF20: F0304
RF50: F0305 RF100: F0309 RF200: F0308

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Dichlorodifluoromethane	0.354	0.347	0.334	0.350	0.309	0.329	AVRG		0.33730		5.012	15.000	
Chloromethane	0.464	0.448	0.484	0.461	0.427	0.436	AVRG		0.45337		4.558	15.000	
Vinyl chloride	0.566	0.471	0.508	0.507	0.475	0.469	AVRG		0.49949		7.449	15.000	
Bromomethane	0.185	0.209	0.209	0.208	0.216	0.210	AVRG		0.20616		5.154	15.000	
Chloroethane	0.329	0.304	0.337	0.304	0.292	0.295	AVRG		0.31016		6.022	15.000	
Trichlorofluoromethane	0.748	0.721	0.764	0.745	0.705	0.730	AVRG		0.73561		2.886	15.000	
1,1-Dichloroethene	0.448	0.405	0.457	0.454	0.419	0.424	AVRG		0.43488		4.927	15.000	
Carbon Disulfide	1.769	1.672	1.767	1.786	1.670	1.699	AVRG		1.72723		3.053	15.000	
Freon-113	0.397	0.393	0.389	0.379	0.361	0.366	AVRG		0.38106		3.900	15.000	
Methylene Chloride	0.632	0.573	0.546	0.559	0.532	0.532	AVRG		0.56212		6.681	15.000	
Acetone	5541	7384	20311	36436	69628	152970	2ORDR	-0.1572	13.6343	-8.7452	0.99466	0.99000	
trans-1,2-Dichloroethene	0.460	0.465	0.470	0.498	0.467	0.484	AVRG		0.47410		2.968	15.000	
Methyl tert-butyl ether	1.369	0.999	1.801	0.700	0.692	0.490	AVRG		1.00876		49.011	15.000	<-
1,1-Dichloroethane	0.919	0.914	1.014	0.948	0.909	0.966	AVRG		0.94517		4.270	15.000	
cis-1,2-Dichloroethene	0.465	0.497	0.502	0.521	0.495	0.497	AVRG		0.49629		3.650	15.000	
1,2-Dichloroethylene (total)	0.926	0.962	0.973	1.019	0.962	0.980	AVRG		0.97039		3.141	15.000	
Chloroform	1.081	1.028	1.056	1.066	0.987	1.039	AVRG		1.04305		3.182	15.000	
Carbon Tetrachloride	0.491	0.472	0.496	0.483	0.468	0.474	AVRG		0.48058		2.290	15.000	
1,1,1-Trichloroethane	0.847	0.880	0.874	0.892	0.825	0.868	AVRG		0.86419		2.824	15.000	
2-Butanone	3034	7213	18353	34359	70239	145890	LINR	3e-002	10.1888		0.99209	0.99000	
Benzene	1.347	1.372	1.419	1.428	1.361	1.349	AVRG		1.37943		2.563	15.000	
Cyclohexane	0.786	0.828	0.758	0.790	0.749	0.756	AVRG		0.77788		3.848	15.000	
1,2-Dichloroethane	0.630	0.570	0.627	0.599	0.576	0.619	AVRG		0.60346		4.330	15.000	
Trichloroethene	0.325	0.315	0.327	0.354	0.338	0.325	AVRG		0.33068		4.032	15.000	
1,2-Dichloropropane	0.345	0.320	0.332	0.335	0.335	0.326	AVRG		0.33211		2.620	15.000	
Bromodichloromethane	0.512	0.521	0.523	0.530	0.523	0.526	AVRG		0.52258		1.137	15.000	
cis-1,3-dichloropropene	0.558	0.572	0.626	0.571	0.585	0.601	AVRG		0.58539		4.195	15.000	
Toluene	0.805	0.803	0.845	0.845	0.815	0.799	AVRG		0.81872		2.580	15.000	
4-methyl-2-pentanone	0.351	0.335	0.449	0.327	0.321	0.370	AVRG		0.35876		13.246	15.000	
Tetrachloroethene	0.276	0.287	0.310	0.299	0.304	0.281	AVRG		0.29300		4.635	15.000	
trans-1,3-Dichloropropene	0.558	0.572	0.626	0.571	0.585	0.601	AVRG		0.58539		4.195	15.000	
1,1,2-Trichloroethane	0.429	0.378	0.456	0.352	0.370	0.409	AVRG		0.39905		9.793	15.000	
Dibromochloromethane	0.424	0.407	0.476	0.441	0.438	0.452	AVRG		0.43965		5.313	15.000	
1,2-Dibromoethane	0.305	0.316	0.339	0.296	0.301	0.316	AVRG		0.31204		4.881	15.000	
2-Hexanone	18915	45291	110460	203120	403350	876530	LINR	2e-002	2.27136		0.99318	0.99000	
Chlorobenzene	0.973	0.968	1.033	1.001	0.975	0.938	AVRG		0.98150		3.271	15.000	
Ethylbenzene	1.687	1.696	1.797	1.757	1.775	1.753	AVRG		1.74403		2.492	15.000	
Xylenes (total)							AVRG					0.000	
m+p-Xylenes	0.662	0.638	0.685	0.696	0.672	0.645	AVRG		0.66661		3.372	15.000	
o-Xylene	0.644	0.632	0.673	0.655	0.655	0.642	AVRG		0.65011		2.195	15.000	
Styrene	0.924	0.913	0.977	0.996	1.027	1.009	AVRG		0.97429		4.751	15.000	
Bromoform	0.257	0.256	0.322	0.258	0.272	0.287	AVRG		0.27533		9.360	15.000	
Isopropylbenzene	2.956	2.820	2.738	2.950	2.772	2.716	AVRG		2.82534		3.716	15.000	
1,1,2,2-Tetrachloroethane	0.938	0.804	0.928	0.763	0.759	0.823	AVRG		0.83581		9.456	15.000	

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-F Calibration Date(s): 05/23/03 05/23/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1216 1459

LAB FILE ID: RF5: F0307 RF10: F0306 RF20: F0304
RF50: F0305 RF100: F0309 RF200: F0308

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,3,5-Trimethylbenzene	2.417	2.315	2.395	2.588	2.428	2.409	AVRG		2.42530		3.676	15.000
1,2,4-Trimethylbenzene	2.624	2.612	2.534	2.754	2.560	2.562	AVRG		2.60772		3.042	15.000
1,3-Dichlorobenzene	1.659	1.588	1.530	1.581	1.472	1.478	AVRG		1.55138		4.636	15.000
1,4-Dichlorobenzene	1.642	1.532	1.568	1.553	1.530	1.482	AVRG		1.55097		3.418	15.000
1,2-Dichlorobenzene	1.516	1.416	1.457	1.432	1.362	1.374	AVRG		1.42619		3.963	15.000
1,2-Dibromo-3-Chloropropane	6245	10453	21927	37708	84013	179880	LINR	4e-003	6.38185		0.99306	0.99000
1,2,4-Trichlorobenzene	0.795	0.833	0.818	0.715	0.751	0.770	AVRG		0.78042		5.621	15.000
Methyl Acetate	11668	20885	67948	105180	255420	521640	LINR	6e-002	2.82614		0.99045	0.99000
Methylcyclohexane	0.803	0.740	0.777	0.769	0.728	0.740	AVRG		0.75937		3.753	15.000
Dibromofluoromethane	0.514	0.521	0.555	0.523	0.504	0.527	AVRG		0.52407		3.291	15.000
1,2-Dichloroethane-D4	0.794	0.786	0.808	0.780	0.739	0.819	AVRG		0.78786		3.525	15.000
Toluene-D8	1.013	1.021	1.036	1.056	1.015	1.004	AVRG		1.02409		1.850	15.000
P-Bromofluorobenzene	0.445	0.483	0.491	0.470	0.469	0.485	AVRG		0.47389		3.510	15.000

Average %RSD test result.

Calculate Average %RSD: 5.447108269
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-F Calibration Date: 05/23/03 Time: 1648

Lab File ID: F0310 Init. Calib. Date(s): 05/23/03 05/23/03

Init. Calib. Times: 1216 1459

GC Column: RTX-624 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	0.3370000	0.3954700	0.3954700	0.01	17.35		AVRG	
Chloromethane	0.4530000	0.5225800	0.5225800	0.1	15.36		AVRG	
Vinyl chloride	0.4990000	0.5716000	0.5716000	0.01	14.55	20.00	AVRG	
Bromomethane	0.2060000	0.2454800	0.2454800	0.01	19.16		AVRG	
Chloroethane	0.3100000	0.3340300	0.3340300	0.01	7.75		AVRG	
Trichlorofluoromethane	0.7360000	0.8546700	0.8546700	0.01	16.12		AVRG	
1,1-Dichloroethene	0.4340000	0.4852500	0.4852500	0.1	11.81	20.00	AVRG	
Carbon Disulfide	1.7270000	1.8682000	1.8682000	0.01	8.18		AVRG	
Freon-113	0.3810000	0.4161200	0.4161200	0.01	9.22		AVRG	
Methylene Chloride	0.5620000	0.5277500	0.5277500	0.01	-6.09		AVRG	
Acetone	75.546000	50.000000	0.1338300	0.01	51.09	20.00	2RDR	<-
trans-1,2-Dichloroethene	0.4740000	0.5000900	0.5000900	0.01	5.50		AVRG	
Methyl tert-butyl ether	1.0080000	1.9484000	1.9484000	0.01	93.29		AVRG	
1,1-Dichloroethane	0.9450000	1.0414000	1.0414000	0.01	10.20		AVRG	
cis-1,2-Dichloroethene	0.4960000	0.5374700	0.5374700	0.01	8.36		AVRG	
1,2-Dichloroethylene (total)	0.9700000	1.0376000	1.0376000	0.01	6.97		AVRG	
Chloroform	1.0430000	1.0945000	1.0945000	0.01	4.94	20.00	AVRG	
Carbon Tetrachloride	0.4810000	0.4987200	0.4987200	0.01	3.68		AVRG	
1,1,1-Trichloroethane	0.8640000	0.9288800	0.9288800	0.01	7.51		AVRG	
2-Butanone	63.786000	50.000000	0.1219300	0.01	27.57	20.00	LINR	<-
Benzene	1.3790000	1.3577000	1.3577000	0.01	-1.54		AVRG	
Cyclohexane	0.7780000	0.7895400	0.7895400	0.01	1.48		AVRG	
1,2-Dichloroethane	0.6040000	0.6272200	0.6272200	0.01	3.84		AVRG	
Trichloroethene	0.3310000	0.3224100	0.3224100	0.01	-2.60		AVRG	
1,2-Dichloropropane	0.3320000	0.3240000	0.3240000	0.01	-2.41	20.00	AVRG	
Bromodichloromethane	0.5220000	0.5237800	0.5237800	0.01	0.34		AVRG	
cis-1,3-dichloropropene	0.5860000	0.6159400	0.6159400	0.01	5.11		AVRG	
Toluene	0.8190000	0.8129100	0.8129100	0.01	-0.74	20.00	AVRG	
4-methyl-2-pentanone	0.3590000	0.4312900	0.4312900	0.01	20.14		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-F Calibration Date: 05/23/03 Time: 1648

Lab File ID: F0310 Init. Calib. Date(s): 05/23/03 05/23/03

Init. Calib. Times: 1216 1459

GC Column: RTX-624 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	
Tetrachloroethene	0.2930000	0.2971400	0.2971400	0.01	1.41		AVRG	
trans-1,3-Dichloropropene	0.5860000	0.6159400	0.6159400	0.01	5.11		AVRG	
1,1,2-Trichloroethane	0.3990000	0.4650100	0.4650100	0.01	16.54		AVRG	
Dibromochloromethane	0.4400000	0.4626700	0.4626700	0.01	5.15		AVRG	
1,2-Dibromoethane	0.3120000	0.3372400	0.3372400	0.01	8.09		AVRG	
2-Hexanone	58.825000	50.000000	0.5079000	0.01	17.65	20.00	LINR	
Chlorobenzene	0.9810000	0.9772300	0.9772300	0.3	-0.38		AVRG	
Ethylbenzene	1.7440000	1.7377000	1.7377000	0.01	-0.36	20.00	AVRG	
Xylenes (total)	0.0000000	0.6775200	0.6775200	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6660000	0.6694600	0.6694600	0.01	0.52		AVRG	
o-Xylene	0.6500000	0.6936200	0.6936200	0.01	6.71		AVRG	
Styrene	0.9740000	0.9900200	0.9900200	0.01	1.64		AVRG	
Bromoform	0.2750000	0.3138600	0.3138600	0.1	14.13		AVRG	
Isopropylbenzene	2.8250000	2.8518000	2.8518000	0.01	0.95		AVRG	
1,1,2,2-Tetrachloroethane	0.8360000	0.9479300	0.9479300	0.3	13.39		AVRG	
1,3,5-Trimethylbenzene	2.4250000	2.5109000	2.5109000	0.01	3.54		AVRG	
1,2,4-Trimethylbenzene	2.6080000	2.6519000	2.6519000	0.01	1.68		AVRG	
1,3-Dichlorobenzene	1.5510000	1.5310000	1.5310000	0.01	-1.29		AVRG	
1,4-Dichlorobenzene	1.5510000	1.6031000	1.6031000	0.01	3.36		AVRG	
1,2-Dichlorobenzene	1.4260000	1.4504000	1.4504000	0.01	1.71		AVRG	
1,2-Dibromo-3-Chloropropane	66.044000	50.000000	0.2062800	0.01	32.09	20.00	LINR	<-
1,2,4-Trichlorobenzene	0.7800000	0.9182100	0.9182100	0.01	17.72		AVRG	
Methyl Acetate	67.826000	50.000000	0.4578200	0.01	35.65		LINR	
Methylcyclohexane	0.7600000	0.7896100	0.7896100	0.01	3.90		AVRG	
Dibromofluoromethane	0.5240000	0.5685000	0.5685000	0.01	8.49		AVRG	
1,2-Dichloroethane-D4	0.7880000	0.8743000	0.8743000	0.01	10.95		AVRG	
Toluene-D8	1.0240000	1.0535000	1.0535000	0.01	2.88		AVRG	
P-Bromofluorobenzene	0.4740000	0.5036400	0.5036400	0.01	6.25		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-F Calibration Date: 05/25/03 Time: 0957

Lab File ID: F0329 Init. Calib. Date(s): 05/23/03 05/23/03

Init. Calib. Times: 1216 1459

GC Column: RTX-624 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	0.3370000	0.3720100	0.3720100	0.01	10.39		AVRG	
Chloromethane	0.4530000	0.4268000	0.4268000	0.1	-5.78		AVRG	
Vinyl chloride	0.4990000	0.4860800	0.4860800	0.01	-2.59	20.00	AVRG	
Bromomethane	0.2060000	0.2164300	0.2164300	0.01	5.06		AVRG	
Chloroethane	0.3100000	0.3026200	0.3026200	0.01	-2.38		AVRG	
Trichlorofluoromethane	0.7360000	0.8130700	0.8130700	0.01	10.47		AVRG	
1,1-Dichloroethene	0.4340000	0.4148300	0.4148300	0.1	-4.42	20.00	AVRG	
Carbon Disulfide	1.7270000	1.6376000	1.6376000	0.01	-5.18		AVRG	
Freon-113	0.3810000	0.3665800	0.3665800	0.01	-3.78		AVRG	
Methylene Chloride	0.5620000	0.5273900	0.5273900	0.01	-6.16		AVRG	
Acetone	61.506000	50.000000	0.1094300	0.01	23.01	20.00	2RDR	<-
trans-1,2-Dichloroethene	0.4740000	0.4724300	0.4724300	0.01	-0.33		AVRG	
Methyl tert-butyl ether	1.0080000	1.3554000	1.3554000	0.01	34.46		AVRG	
1,1-Dichloroethane	0.9450000	0.9667100	0.9667100	0.01	2.30		AVRG	
cis-1,2-Dichloroethene	0.4960000	0.5007300	0.5007300	0.01	0.95		AVRG	
1,2-Dichloroethylene (total)	0.9700000	0.9731500	0.9731500	0.01	0.32		AVRG	
Chloroform	1.0430000	1.0444000	1.0444000	0.01	0.13	20.00	AVRG	
Carbon Tetrachloride	0.4810000	0.5214100	0.5214100	0.01	8.40		AVRG	
1,1,1-Trichloroethane	0.8640000	0.9112200	0.9112200	0.01	5.46		AVRG	
2-Butanone	53.853000	50.000000	0.1024300	0.01	7.71	20.00	LINR	
Benzene	1.3790000	1.3296000	1.3296000	0.01	-3.58		AVRG	
Cyclohexane	0.7780000	0.7247400	0.7247400	0.01	-6.84		AVRG	
1,2-Dichloroethane	0.6040000	0.6745000	0.6745000	0.01	11.67		AVRG	
Trichloroethene	0.3310000	0.3583600	0.3583600	0.01	8.26		AVRG	
1,2-Dichloropropane	0.3320000	0.3063000	0.3063000	0.01	-7.74	20.00	AVRG	
Bromodichloromethane	0.5220000	0.5554800	0.5554800	0.01	6.41		AVRG	
cis-1,3-dichloropropene	0.5860000	0.6361800	0.6361800	0.01	8.56		AVRG	
Toluene	0.8190000	0.8016700	0.8016700	0.01	-2.12	20.00	AVRG	
4-methyl-2-pentanone	0.3590000	0.3907400	0.3907400	0.01	8.84		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-F Calibration Date: 05/25/03 Time: 0957

Lab File ID: F0329 Init. Calib. Date(s): 05/23/03 05/23/03

Init. Calib. Times: 1216 1459

GC Column: RTX-624 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	
Tetrachloroethene	0.2930000	0.2891700	0.2891700	0.01	-1.31		AVRG	
trans-1,3-Dichloropropene	0.5860000	0.6361800	0.6361800	0.01	8.56		AVRG	
1,1,2-Trichloroethane	0.3990000	0.4516800	0.4516800	0.01	13.20		AVRG	
Dibromochloromethane	0.4400000	0.4658100	0.4658100	0.01	5.86		AVRG	
1,2-Dibromoethane	0.3120000	0.3331300	0.3331300	0.01	6.77		AVRG	
2-Hexanone	53.191000	50.000000	0.4582900	0.01	6.38	20.00	LINR	
Chlorobenzene	0.9810000	0.9503600	0.9503600	0.3	-3.12		AVRG	
Ethylbenzene	1.7440000	1.6507000	1.6507000	0.01	-5.35	20.00	AVRG	
Xylenes (total)	0.0000000	0.6344000	0.6344000	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6660000	0.6421800	0.6421800	0.01	-3.58		AVRG	
o-Xylene	0.6500000	0.6188300	0.6188300	0.01	-4.80		AVRG	
Styrene	0.9740000	0.9572800	0.9572800	0.01	-1.72		AVRG	
Bromoform	0.2750000	0.2983300	0.2983300	0.1	8.48		AVRG	
Isopropylbenzene	2.8250000	2.7333000	2.7333000	0.01	-3.25		AVRG	
1,1,2,2-Tetrachloroethane	0.8360000	0.8576600	0.8576600	0.3	2.59		AVRG	
1,3,5-Trimethylbenzene	2.4250000	2.4108000	2.4108000	0.01	-0.58		AVRG	
1,2,4-Trimethylbenzene	2.6080000	2.6141000	2.6141000	0.01	0.23		AVRG	
1,3-Dichlorobenzene	1.5510000	1.5846000	1.5846000	0.01	2.17		AVRG	
1,4-Dichlorobenzene	1.5510000	1.5846000	1.5846000	0.01	2.17		AVRG	
1,2-Dichlorobenzene	1.4260000	1.4703000	1.4703000	0.01	3.11		AVRG	
1,2-Dibromo-3-Chloropropane	62.840000	50.000000	0.1962500	0.01	25.68	20.00	LINR	<-
1,2,4-Trichlorobenzene	0.7800000	0.8283800	0.8283800	0.01	6.20		AVRG	
Methyl Acetate	52.718000	50.000000	0.3509000	0.01	5.44		LINR	
Methylcyclohexane	0.7600000	0.7280500	0.7280500	0.01	4.20		AVRG	
Dibromofluoromethane	0.5240000	0.5446800	0.5446800	0.01	3.95		AVRG	
1,2-Dichloroethane-D4	0.7880000	0.8823800	0.8823800	0.01	11.98		AVRG	
Toluene-D8	1.0240000	1.0522000	1.0522000	0.01	2.75		AVRG	
P-Bromofluorobenzene	0.4740000	0.5405400	0.5405400	0.01	14.04		AVRG	

FORM VII PEST

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): F0310 Date Analyzed: 05/23/03

Instrument ID: GCMS-F Time Analyzed: 1648

GC Column: RTX-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		333035	9.73	535417	10.33	460775	13.09
UPPER LIMIT		666070	10.23	1070834	10.83	921550	13.59
LOWER LIMIT		166518	9.23	267709	9.83	230388	12.59
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2405-LCS	WG2405-1	318679	9.74	496213	10.33	435693	13.10
02 WG2405-BLANK	WG2405-2	296162	9.74	484167	10.33	416640	13.09
03 09GLM04S02	WT1109-1	288198	9.74	469777	10.33	415058	13.09
04 09GLM09S02	WT1109-2	292120	9.74	463253	10.33	398461	13.10
05 09GLM03S02	WT1109-3	302732	9.75	488725	10.33	417750	13.10
06 09GLM03I02	WT1109-4	313497	9.74	509949	10.33	441300	13.10
07 09RB051303	WT1109-5	305778	9.75	502836	10.33	435061	13.10
08 09TB051303	WT1109-6	298193	9.74	475625	10.33	414266	13.09
09 09GLM08S02	WT1109-7	308032	9.76	498139	10.35	429120	13.11
10 09GLM08S02D	WT1109-8	283169	9.74	468557	10.33	415340	13.10
11 09GLM02S02	WT1109-9	291040	9.75	472354	10.33	414676	13.10
12 09GLM06S02	WT1109-10	299997	9.74	486316	10.33	417100	13.10
13 09GLM01S02	WT1109-11	276885	9.74	451383	10.33	392188	13.10
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): F0310 Date Analyzed: 05/23/03

Instrument ID: GCMS-F Time Analyzed: 1648

GC Column: RTX-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		262651	14.57				
UPPER LIMIT		525302	15.07				
LOWER LIMIT		131326	14.07				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2405-LCS	WG2405-1	248484	14.57				
02 WG2405-BLANK	WG2405-2	222245	14.57				
03 09GLM04S02	WT1109-1	212833	14.57				
04 09GLM09S02	WT1109-2	206435	14.57				
05 09GLM03S02	WT1109-3	211838	14.58				
06 09GLM03I02	WT1109-4	230377	14.57				
07 09RB051303	WT1109-5	219489	14.57				
08 09TB051303	WT1109-6	210397	14.57				
09 09GLM08S02	WT1109-7	222884	14.59				
10 09GLM08S02D	WT1109-8	210480	14.58				
11 09GLM02S02	WT1109-9	211578	14.58				
12 09GLM06S02	WT1109-10	216439	14.57				
13 09GLM01S02	WT1109-11	204498	14.57				
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 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): F0329 Date Analyzed: 05/25/03

Instrument ID: GCMS-F Time Analyzed: 0957

GC Column: RTX-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		294031	9.75	451697	10.34	415351	13.11
UPPER LIMIT		588062	10.25	903394	10.84	830702	13.61
LOWER LIMIT		147016	9.25	225849	9.84	207676	12.61
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2406-LCS	WG2406-1	288327	9.75	464026	10.35	403661	13.11
02 WG2406-BLANK	WG2406-2	291241	9.75	471987	10.35	403153	13.11
03 10GLM01R01	WT1127-1	274669	9.74	443808	10.33	389545	13.10
04 10GLM01R01D	WT1127-3	273104	9.74	445151	10.33	390085	13.11
05 10TL05/14/03	WT1127-5	289048	9.75	465553	10.34	391537	13.10
06 10GLM0901	WT1127-6	274529	9.75	447546	10.33	381273	13.11
07 10GLM0701	WT1127-8	264575	9.74	427579	10.33	371593	13.11
08 10GLM0601	WT1127-10	265176	9.74	434959	10.33	367046	13.10
09 03RL051403	WT1127-12	255892	9.74	404584	10.33	359871	13.10
10 03GLM0402	WT1127-14	248854	9.75	411904	10.33	351886	13.11
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): F0329 Date Analyzed: 05/25/03

Instrument ID: GCMS-F Time Analyzed: 0957

GC Column: RTX-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		237884	14.58				
UPPER LIMIT		475768	15.08				
LOWER LIMIT		118942	14.08				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2406-LCS	WG2406-1	240937	14.58			
02	WG2406-BLANK	WG2406-2	208205	14.57			
03	10GLM01R01	WT1127-1	210214	14.57			
04	10GLM01R01D	WT1127-3	209775	14.57			
05	10TL05/14/03	WT1127-5	212016	14.57			
06	10GLM0901	WT1127-6	197273	14.58			
07	10GLM0701	WT1127-8	191472	14.58			
08	10GLM0601	WT1127-10	190353	14.57			
09	03RL051403	WT1127-12	186343	14.58			
10	03GLM0402	WT1127-14	180473	14.58			
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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 05/27/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2354-1
Client ID: WG2354-Blank
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	10	1.0	10	10	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 05/27/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2354-1
Client ID: WG2354-Blank
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		47%				
13127-88-3	Phenol-D6		49%				
4165-60-0	Nitrobenzene-D5		68%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		65%				
1718-51-0	Terphenyl-D14		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/19/03
Analysis Date: 06/06/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2323-1
Client ID: WG2323-Blank
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	10	1.0	10	10	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/19/03
Analysis Date: 06/06/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2323-1
Client ID: WG2323-Blank
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		57%				
13127-88-3	Phenol-D6		58%				
4165-60-0	Nitrobenzene-D5		73%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		85%				
1718-51-0	Terphenyl-D14		74%				

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG2354-BLANK	WG2354-1	47	49	68	59	65	83			0
02	WG2354-LCS	WG2354-2	33	44	71	78	63	82			0
03	10GLM0701	WT1127-8	62	60	75	63	87	61			0
04	10GLM0601	WT1127-10 Acid	4*	16	38	62	16*	64			2
05	WG2354-LCSD	WG2354-3	60	62	71	70	87	68			0
06	10GLM01R01	WT1127-1	48	56	62	64	81	60			0
07	10GLM01R01D	WT1127-3	21	39	52	70	52	64			0
08	10GLM0901	WT1127-6	44	48	54	50	80	64			0
09	03RL051403	WT1127-12	20	38	54	54	50	65			0
10	03GLM0402	WT1127-14	50	55	60	57	84	43			0
11	WG2323-BLANK	WG2323-1	57	58	73	64	85	74			0
12	WG2323-LCS	WG2323-2	66	70	85	83	100	80			0
13	WG2323-LCSD	WG2323-3	58	63	80	72	90	77			0
14	09GLM04S02	WT1109-1	47	51	61	60	60	87			0
15	09GLM09S02	WT1109-2	36	40	50	52	65	77			0
16	09RB051303	WT1109-5	43	48	58	50	66	63			0
17	09GLM08S02	WT1109-7	46	51	62	52	94	66			0
18	09GLM08S02D	WT1109-8 B/N	10*	12	8*	44*	32	64			3
19	09GLM02S02	WT1109-9	48	50	60	50	89	74			0
20	09GLM06S02	WT1109-10	38	44	56	49	69	64			0
21	09GLM01S02	WT1109-11	47	51	62	51	76	70			0
22	09GLM03S02	WT1109-3RA	53	56	72	72	101	91			0
23	09GLM03I02	WT1109-4	42	47	53	74	73	63			0
24											
25											
26											
27											
28											

		QC LIMITS
S1 (2FP) = 2-Fluorophenol A		(20- 95) B/N
S2 (PHL) = Phenol-D6 A		(10-115) A
S3 (NBZ) = Nitrobenzene-D5 B/N		(36-117) B/N
S4 (FBP) = 2-Fluorobiphenyl B/N		(47-114) A
S5 (TBP) = 2,4,6-Tribromophenol A		(20-137) A
S6 (TPH) = Terphenyl-D14 B/N		(35-126) B/N

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: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER

Lab ID: WG2354-2 & WG2354-3
Client ID: WG2354-LCS & WG2354-LCSD
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,4-Dioxane			NA						30	21-114
Pyridine	50	50	NA	27	25	53	50	6	30	0-151
N-Nitrosodimethylamine	50	50	NA	35	32	70	64	9	30	0-100
Aniline	50	50	NA	33	34	66	67	2	30	24-114
Phenol	100	100	NA	48	70	48	70 *	37	30	12-126
Bis(2-Chloroethyl)ether	50	50	NA	35	38	71	77	8	30	52-115
2-Chlorophenol	100	100	NA	50	69	50	69 *	31	30	46-114
1,3-Dichlorobenzene	50	50	NA	29	29	58	58	1	30	40- 99
1,4-Dichlorobenzene	50	50	NA	30	31	61	63	3	30	40- 99
1,2-Dichlorobenzene	50	50	NA	32	31	63	62	2	30	44-101
Benzyl alcohol	50	50	NA	37	40	75	81	7	30	49-124
2,2'-Oxybis(1-Chloropropane)	50	50	NA	35	36	71	71	0.3	30	54-114
2-Methylphenol	100	100	NA	69	75	69	75	9	30	50-110
Hexachloroethane	50	50	NA	27	28	54	56	4	30	30- 99
N-Nitroso-di-n-propylamine	50	50	NA	34	35	68	69	2	30	52-108
4-Methylphenol	100	100	NA	72	80	72	80	10	30	46-119
Nitrobenzene	50	50	NA	36	36	72	72	0.6	30	49-113
Isophorone	50	50	NA	39	36	78	72	8	30	49-106
2-Nitrophenol	100	100	NA	17	79 *	17	79 *	130	30	47-121
2,4-Dimethylphenol	100	100	NA	74	68	74	68	9	30	45-107
Bis(2-Chloroethoxy)methane	50	50	NA	39	35	78	70	10	30	50-112
2,4-Dichlorophenol	100	100	NA	67	74	67	74	10	30	48-115
1,2,4-Trichlorobenzene	50	50	NA	32	32	64	63	1	30	39-105
Naphthalene	50	50	NA	33	33	66	65	2	30	46-110
Benzoic acid	100	100	NA	8.7	46	9	46 *	140	30	0- 98
4-Chloroaniline	50	50	NA	43	34	86	68	23	30	19-125
Hexachlorobutadiene	50	50	NA	32	30	64	60	6	30	28-109
4-Chloro-3-Methylphenol	100	100	NA	68	80	68	80	16	30	52-121
2-Methylnaphthalene	50	50	NA	38	35	76	70	7	30	51-108
1-Methylnaphthalene			NA						30	0-100
Hexachlorocyclopentadiene	50	50	NA	16	17	32	34	8	30	0- 90
2,4,6-Trichlorophenol	100	100	NA	52	82	52	82 *	45	30	51-120
2,4,5-Trichlorophenol	100	100	NA	67	78	67	78	16	30	53-120
2-Chloronaphthalene	50	50	NA	42	40	84	79	6	30	44-156
Diethyl Adipate	50	50	NA	43	39	86	78	9	30	8-135
2-Nitroaniline	50	50	NA	50	45	100	89	11	30	53-127
Acenaphthylene	50	50	NA	39	37	78	73	7	30	51-107
Dimethyl Phthalate	50	50	NA	46	39	93	79	16	30	14-138
2,6-Dinitrotoluene	50	50	NA	49	45	97	90	8	30	51-120
Acenaphthene	50	50	NA	40	36	80	73	10	30	52-113
3-Nitroaniline	50	50	NA	52	45	103	91	13	30	48-124
2,4-Dinitrophenol	100	100	NA	8.7	110 *	9	110 *	170	30	22-155
Dibenzofuran	50	50	NA	40	38	81	76	6	30	54-111
4-Nitrophenol	100	100	NA	9.5	75	10	75 *	160	30	6-132
2,4-Dinitrotoluene	50	50	NA	46	49	91	99	8	30	50-119

FORM III SV-1

K4355.D & K4486.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/13/2003
Matrix: WATER

Lab ID: WG2354-2 & WG2354-3
Client ID: WG2354-LCS & WG2354-LCSD
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Fluorene	50	50	NA	42	39	84	78	7	30	56-115
Diethylphthalate	50	50	NA	43	38	85	75	12	30	31-129
4-Chlorophenyl-phenylether	50	50	NA	43	41	86	81	6	30	56-115
4-Nitroaniline	50	50	NA	52	50	104	101	3	30	50-137
4,6-Dinitro-2-Methylphenol		100	NA		108		108		30	43-151
N-Nitrosodiphenylamine	100	100	NA	95	81	95	81	16	30	67-131
1,2-Diphenylhydrazine	50	50	NA	50	48	99	96	3	30	0-100
4-Bromophenyl-phenylether	50	50	NA	51	44	102	87	15	30	59-118
Hexachlorobenzene	50	50	NA	48	41	97	83	16	30	55-116
Pentachlorophenol	100	100	NA	13	79	* 13	79	* 140	30	38-148
Phenanthrene	50	50	NA	44	39	88	78	12	30	56-117
Anthracene	50	50	NA	46	40	92	81	13	30	56-117
Carbazole	50	50	NA	45	40	91	81	12	30	63-133
Di-n-butylphthalate	50	50	NA	48	43	96	86	10	30	43-136
Fluoranthene	50	50	NA	45	40	89	81	10	30	51-129
Benzidine	50	50	NA	296	130	* 592	* 260	* 78	30	0-100
Pyrene	50	50	NA	43	35	85	71	19	30	46-133
Butylbenzylphthalate	50	50	NA	45	37	89	75	18	30	31-156
Bis(2-Ethylhexyl)Adipate	50	50	NA	51	40	102	80	23	30	52-138
Benzo(a)anthracene	50	50	NA	43	39	87	79	9	30	54-118
Chrysene	50	50	NA	43	39	87	78	11	30	57-119
3,3'-Dichlorobenzidine	50	50	NA	50	38	99	77	25	30	30-128
bis(2-Ethylhexyl)phthalate	50	50	NA	50	43	99	85	15	30	43-151
Di-n-octylphthalate	50	50	NA	52	42	104	83	22	30	42-166
Benzo(b)fluoranthene	50	50	NA	43	38	86	77	11	30	48-129
Benzo(k)fluoranthene	50	50	NA	44	37	88	75	16	30	50-126
Benzo(a)pyrene	50	50	NA	43	40	86	81	6	30	52-126
Indeno(1,2,3-cd)pyrene	50	50	NA	45	39	89	77	15	30	46-128
Dibenzo(a,h)anthracene	50	50	NA	42	38	85	75	12	30	45-118
Benzo(g,h,i)perylene	50	50	NA	42	37	85	74	13	30	46-121
Acetophenone	50	50	NA	34	35	68	70	4	30	0-100

FORM III SV-1

K4355.D & K4486.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/19/03
Analysis Date: 06/06/03
Report Date: 06/13/2003
Matrix: WATER

Lab ID: WG2323-2 & WG2323-3
Client ID: WG2323-LCS & WG2323-LCSD
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,4-Dioxane			NA						30	21-114
Pyridine	50	50	NA	29	29	58	58	1	30	0-151
N-Nitrosodimethylamine	50	50	NA	36	37	73	74	1	30	0-100
Aniline	50	50	NA	35	35	69	70	1	30	24-114
Phenol	100	100	NA	70	66	70	66	5	30	12-126
Bis(2-Chloroethyl)ether	50	50	NA	37	37	75	74	0.3	30	52-115
2-Chlorophenol	100	100	NA	69	68	69	68	0.7	30	46-114
1,3-Dichlorobenzene	50	50	NA	31	30	61	59	3	30	40- 99
1,4-Dichlorobenzene	50	50	NA	33	32	66	64	4	30	40- 99
1,2-Dichlorobenzene	50	50	NA	34	33	68	66	3	30	44-101
Benzyl alcohol	50	50	NA	39	40	78	80	2	30	49-124
2,2'-Oxybis(1-Chloropropane)	50	50	NA	40	38	79	76	5	30	54-114
2-Methylphenol	100	100	NA	79	75	79	75	5	30	50-110
Hexachloroethane	50	50	NA	32	29	64	59	8	30	30- 99
N-Nitroso-di-n-propylamine	50	50	NA	37	38	73	76	3	30	52-108
4-Methylphenol	100	100	NA	80	81	80	81	1.0	30	46-119
Nitrobenzene	50	50	NA	40	37	79	75	6	30	49-113
Isophorone	50	50	NA	39	35	78	70	10	30	49-106
2-Nitrophenol	100	100	NA	85	79	85	79	7	30	47-121
2,4-Dimethylphenol	100	100	NA	72	67	72	67	7	30	45-107
Bis(2-Chloroethoxy)methane	50	50	NA	38	36	77	71	8	30	50-112
2,4-Dichlorophenol	100	100	NA	82	73	82	73	11	30	48-115
1,2,4-Trichlorobenzene	50	50	NA	34	32	69	64	6	30	39-105
Naphthalene	50	50	NA	35	32	70	63	10	30	46-110
Benzoic acid	100	100	NA	38	29	38	29	26	30	0- 98
4-Chloroaniline	50	50	NA	38	37	75	74	2	30	19-125
Hexachlorobutadiene	50	50	NA	34	32	67	64	6	30	28-109
4-Chloro-3-Methylphenol	100	100	NA	83	80	83	80	4	30	52-121
2-Methylnaphthalene	50	50	NA	37	37	73	73	0.3	30	51-108
1-Methylnaphthalene			NA						30	0-100
Hexachlorocyclopentadiene	50	50	NA	20	19	40	39	4	30	0- 90
2,4,6-Trichlorophenol	100	100	NA	84	74	84	74	12	30	51-120
2,4,5-Trichlorophenol	100	100	NA	86	75	86	75	13	30	53-120
2-Chloronaphthalene	50	50	NA	43	39	85	78	8	30	44-156
Diethyl Adipate	50	50	NA	41	36	81	73	11	30	8-135
2-Nitroaniline	50	50	NA	44	41	88	83	6	30	53-127
Acenaphthylene	50	50	NA	37	34	73	68	8	30	51-107
Dimethyl Phthalate	50	50	NA	42	39	84	78	7	30	14-138
2,6-Dinitrotoluene	50	50	NA	48	47	96	94	2	30	51-120
Acenaphthene	50	50	NA	39	35	77	71	9	30	52-113
3-Nitroaniline	50	50	NA	46	43	91	86	6	30	48-124
2,4-Dinitrophenol	100	100	NA	124	111	124	111	11	30	22-155
Dibenzofuran	50	50	NA	39	37	78	73	6	30	54-111
4-Nitrophenol	100	100	NA	77	67	77	67	14	30	6-132
2,4-Dinitrotoluene	50	50	NA	51	47	102	95	8	30	50-119

FORM III SV-1

K4495.D & K4496.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/19/03
Analysis Date: 06/06/03
Report Date: 06/13/2003
Matrix: WATER

Lab ID: WG2323-2 & WG2323-3
Client ID: WG2323-LCS & WG2323-LCSD
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Fluorene	50	50	NA	41	39	82	79	4	30	56-115
Diethylphthalate	50	50	NA	40	38	81	75	7	30	31-129
4-Chlorophenyl-phenylether	50	50	NA	44	42	89	84	6	30	56-115
4-Nitroaniline	50	50	NA	55	50	110	99	10	30	50-137
4,6-Dinitro-2-Methylphenol	100	100	NA	120	122	120	122	2	30	43-151
N-Nitrosodiphenylamine	100	100	NA	82	85	82	85	4	30	67-131
1,2-Diphenylhydrazine	50	50	NA	51	47	* 102	94	8	30	0-100
4-Bromophenyl-phenylether	50	50	NA	46	46	92	93	0.4	30	59-118
Hexachlorobenzene	50	50	NA	43	44	87	87	0.4	30	55-116
Pentachlorophenol	100	100	NA	83	88	83	88	6	30	38-148
Phenanthrene	50	50	NA	39	41	78	81	4	30	56-117
Anthracene	50	50	NA	42	42	84	85	0.2	30	56-117
Carbazole	50	50	NA	41	41	82	82	0.7	30	63-133
Di-n-butylphthalate	50	50	NA	44	46	87	91	5	30	43-136
Fluoranthene	50	50	NA	45	44	89	87	2	30	51-129
Benzidine	50	50	NA	230	219	* 460	* 438	5	30	0-100
Pyrene	50	50	NA	40	41	80	81	2	30	46-133
Butylbenzylphthalate	50	50	NA	39	40	77	79	3	30	31-156
Bis(2-Ethylhexyl)Adipate	50	50	NA	42	43	85	86	0.7	30	52-138
Benzo(a)anthracene	50	50	NA	41	41	83	82	1	30	54-118
Chrysene	50	50	NA	42	40	84	79	6	30	57-119
3,3'-Dichlorobenzidine	50	50	NA	37	40	74	80	8	30	30-128
bis(2-Ethylhexyl)phthalate	50	50	NA	41	45	82	90	8	30	43-151
Di-n-octylphthalate	50	50	NA	42	45	85	90	6	30	42-166
Benzo(b)fluoranthene	50	50	NA	40	42	81	83	3	30	48-129
Benzo(k)fluoranthene	50	50	NA	37	42	73	83	12	30	50-126
Benzo(a)pyrene	50	50	NA	42	44	84	87	4	30	52-126
Indeno(1,2,3-cd)pyrene	50	50	NA	44	46	87	91	4	30	46-128
Dibenzo(a,h)anthracene	50	50	NA	42	43	84	85	1	30	45-118
Benzo(g,h,i)perylene	50	50	NA	42	42	83	83	0.2	30	46-121
Acetophenone	50	50	NA	37	37	75	74	0.8	30	0-100

FORM III SV-1

K4495.D & K4496.D

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2323-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287

SDG No.: CTO287-1

Lab File ID: K4494

Lab Sample ID: WG2323-1

Instrument ID: GCMS-K

Date Extracted: 05/19/03

Matrix: (soil/water) WATER

Date Analyzed: 06/06/03

Level: (low/med) LOW

Time Analyzed: 1746

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	WG2323-LCS	WG2323-2	K4495	06/06/03	1836
02	WG2323-LCSD	WG2323-3	K4496	06/06/03	1926
03	09GLM04S02	WT1109-1	K4499	06/06/03	2157
04	09GLM09S02	WT1109-2	K4500	06/06/03	2247
05	09RB051303	WT1109-5	K4502	06/07/03	0026
06	09GLM08S02	WT1109-7	K4503	06/07/03	0115
07	09GLM08S02D	WT1109-8	K4504	06/07/03	0205
08	09GLM02S02	WT1109-9	K4505	06/07/03	0254
09	09GLM06S02	WT1109-10	K4506	06/07/03	0344
10	09GLM01S02	WT1109-11	K4509	06/09/03	1901
11	09GLM03S02	WT1109-3RA	K4510	06/09/03	1950
12	09GLM03I02	WT1109-4	K4549	06/11/03	2305
13					
14					
15					
16					
17					
18					
19					
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21					
22					
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28					
29					
30					

COMMENTS:

FORM IV SV

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2354-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287

SDG No.: CTO287-1

Lab File ID: K4354

Lab Sample ID: WG2354-1

Instrument ID: GCMS-K

Date Extracted: 05/21/03

Matrix: (soil/water) WATER

Date Analyzed: 05/27/03

Level: (low/med) LOW

Time Analyzed: 1727

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	WG2354-LCS	WG2354-2	K4355	05/27/03	1818
02	10GLM0701	WT1127-8	K4359	05/27/03	2140
03	10GLM0601	WT1127-10	K4360	05/27/03	2230
04	WG2354-LCSD	WG2354-3	K4486	06/05/03	1915
05	10GLM01R01	WT1127-1	K4487	06/05/03	2003
06	10GLM01R01D	WT1127-3	K4488	06/05/03	2053
07	10GLM0901	WT1127-6	K4489	06/05/03	2143
08	03RL051403	WT1127-12	K4490	06/05/03	2232
09	03GLM0402	WT1127-14	K4491	06/05/03	2320
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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30					

COMMENTS:

FORM IV SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: KD056 DFTPP Injection Date: 05/09/03

Instrument ID: GCMS-K DFTPP Injection Time: 1135

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	59.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.4
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	7.2
275	10.0 - 30.0% of mass 198	21.5
365	1.0 - 100.0% of mass 198	1.5
441	0.0 - 100.0% of mass 443	11.0 (70.9)2
442	40.0 - 100.0% of mass 198	78.0
443	17.0 - 23.0% of mass 442	15.5 (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		SSTD010K0509	K4150	05/09/03	1252
02		SSTD020K0509	K4151	05/09/03	1344
03		SSTD080K0509	K4152	05/09/03	1436
04		SSTD050K0509	K4155	05/09/03	1711
05		SSTD160K0509	K4156	05/09/03	1803
06		SSTD120K0509	K4157	05/09/03	1858
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: KD071 DFTPP Injection Date: 05/27/03

Instrument ID: GCMS-K DFTPP Injection Time: 1610

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	49.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	60.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	21.3
365	1.0 - 100.0% of mass 198	2.0
441	0.0 - 100.0% of mass 443	9.7 (72.8)2
442	40.0 - 100.0% of mass 198	65.3
443	17.0 - 23.0% of mass 442	13.4 (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		SSTD050K0527	K4353	05/27/03	1635
02	WG2354-BLANK	WG2354-1	K4354	05/27/03	1727
03	WG2354-LCS	WG2354-2	K4355	05/27/03	1818
04	10GLM0701	WT1127-8	K4359	05/27/03	2140
05	10GLM0601	WT1127-10	K4360	05/27/03	2230
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: KD081 DFTPP Injection Date: 06/05/03

Instrument ID: GCMS-K DFTPP Injection Time: 1301

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	61.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	45.4
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	6.6
275	10.0 - 30.0% of mass 198	23.6
365	1.0 - 100.0% of mass 198	2.7
441	0.0 - 100.0% of mass 443	10.9 (77.0)2
442	40.0 - 100.0% of mass 198	65.9
443	17.0 - 23.0% of mass 442	14.2 (21.5)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		SSTD050K0605	K4479	06/05/03	1326
02	WG2354-LCSD	WG2354-3	K4486	06/05/03	1915
03	10GLM01R01	WT1127-1 ✓	K4487	06/05/03	2003
04	10GLM01R01D	WT1127-3 ✓	K4488	06/05/03	2053
05	10GLM0901	WT1127-6 ✓	K4489	06/05/03	2143
06	03RL051403	WT1127-12 ✓	K4490	06/05/03	2232
07	03GLM0402	WT1127-14 ✓	K4491	06/05/03	2320
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: KD082 DFTPP Injection Date: 06/06/03

Instrument ID: GCMS-K DFTPP Injection Time: 1629

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	44.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	56.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	40.8
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	7.7
275	10.0 - 30.0% of mass 198	23.4
365	1.0 - 100.0% of mass 198	2.8
441	0.0 - 100.0% of mass 443	11.0 (79.2)2
442	40.0 - 100.0% of mass 198	68.4
443	17.0 - 23.0% of mass 442	13.9 (20.3)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		SSTD050K0606	K4493	06/06/03	1656
02	WG2323-BLANK	WG2323-1	K4494	06/06/03	1746
03	WG2323-LCS	WG2323-2	K4495	06/06/03	1836
04	WG2323-LCSD	WG2323-3	K4496	06/06/03	1926
05	09GLM04S02	WT1109-1 ✓	K4499	06/06/03	2157
06	09GLM09S02	WT1109-2 ✓	K4500	06/06/03	2247
07	09RB051303	WT1109-5 ✓	K4502	06/07/03	0026
08	09GLM08S02	WT1109-7 ✓	K4503	06/07/03	0115
09	09GLM08S02D	WT1109-8 ✓	K4504	06/07/03	0205
10	09GLM02S02	WT1109-9 ✓	K4505	06/07/03	0254
11	09GLM06S02	WT1109-10 ✓	K4506	06/07/03	0344
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: KD084 DFTPP Injection Date: 06/09/03

Instrument ID: GCMS-K DFTPP Injection Time: 1742

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	45.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	56.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	44.3
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	22.0
365	1.0 - 100.0% of mass 198	1.9
441	0.0 - 100.0% of mass 443	12.1 (90.4)2
442	40.0 - 100.0% of mass 198	73.0
443	17.0 - 23.0% of mass 442	13.4 (18.4)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		SSTD050K0609	K4508	06/09/03	1807
02	09GLM01S02	WT1109-11 ✓	K4509	06/09/03	1901
03	09GLM03S02	WT1109-3RA ✓	K4510	06/09/03	1950
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: KD086 DFTPP Injection Date: 06/11/03

Instrument ID: GCMS-K DFTPP Injection Time: 1200

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	49.0
68	Less than 2.0% of mass 69	0.5 (0.8)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	41.0
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	8.0
275	10.0 - 30.0% of mass 198	19.9
365	1.0 - 100.0% of mass 198	2.5
441	0.0 - 100.0% of mass 443	10.8 (81.5)2
442	40.0 - 100.0% of mass 198	64.1
443	17.0 - 23.0% of mass 442	13.3 (20.7)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		SSTD050K0611	K4536	06/11/03	1231
02	09GLM03I02	WT1109-4	K4549	06/11/03	2305
03					
04					
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FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
1,4-Dioxane							AVRG					0.000	<-
Pyridine	1.779	2.073	1.770	1.909	1.703	1.754	AVRG		1.83127		7.456	15.000	
N-Nitrosodimethylamine	0.832	0.832	0.868	0.886	0.830	0.909	AVRG		0.85933		3.902	15.000	
Aniline	1.674	1.744	1.621	1.696	1.533	1.682	AVRG		1.65829		4.402	15.000	
Phenol	1.493	1.546	1.464	1.508	1.338	1.438	AVRG		1.46462		4.927	15.000	
Bis(2-Chloroethyl)ether	1.307	1.289	1.188	1.198	1.078	1.121	AVRG		1.19676		7.529	15.000	
2-Chlorophenol	1.282	1.278	1.236	1.235	1.093	1.172	AVRG		1.21615		5.948	15.000	
1,3-Dichlorobenzene	1.413	1.394	1.295	1.345	1.185	1.308	AVRG		1.32329		6.210	15.000	
1,4-Dichlorobenzene	1.470	1.435	1.303	1.343	1.191	1.322	AVRG		1.34406		7.415	15.000	
1,2-Dichlorobenzene	1.321	1.327	1.194	1.215	1.048	1.126	AVRG		1.20495		9.059	15.000	
Benzyl alcohol	0.669	0.714	0.673	0.672	0.556	0.600	AVRG		0.64735		8.934	15.000	
2,2'-Oxybis(1-Chloropropane)	2.445	2.507	2.232	2.357	1.993	2.209	AVRG		2.29031		8.139	15.000	
2-Methylphenol	1.008	1.051	0.941	0.964	0.845	0.917	AVRG		0.95419		7.554	15.000	
Hexachloroethane	0.604	0.601	0.577	0.575	0.471	0.502	AVRG		0.55503		9.943	15.000	
N-Nitroso-di-n-propylamine	0.853	0.871	0.792	0.800	0.695	0.714	AVRG		0.78750		9.028	15.000	
4-Methylphenol	1.093	1.076	0.959	0.980	0.852	0.883	AVRG		0.97384		10.076	15.000	
Nitrobenzene	0.349	0.343	0.374	0.367	0.371	0.398	AVRG		0.36693		5.357	15.000	
Isophorone	0.690	0.694	0.676	0.689	0.658	0.708	AVRG		0.68578		2.460	15.000	
2-Nitrophenol	15874	36308	103530	203240	256370	382820	LINR	0.16930	4.99521		0.99750	0.99000	
2,4-Dimethylphenol	0.361	0.354	0.358	0.352	0.346	0.365	AVRG		0.35620		1.899	15.000	
Bis(2-Chloroethoxy)methane	0.462	0.454	0.435	0.441	0.412	0.447	AVRG		0.44181		3.868	15.000	
2,4-Dichlorophenol	0.285	0.288	0.291	0.286	0.281	0.287	AVRG		0.28641		1.226	15.000	
1,2,4-Trichlorobenzene	0.350	0.326	0.319	0.309	0.312	0.314	AVRG		0.32167		4.721	15.000	
Naphthalene	0.978	0.923	0.913	0.892	0.834	0.886	AVRG		0.90448		5.271	15.000	
Benzoic acid	11306	30533	91037	182880	228700	340860	LINR	0.18857	5.56664		0.99812	0.99000	
4-Chloroaniline	0.377	0.392	0.388	0.385	0.358	0.390	AVRG		0.38182		3.323	15.000	
Hexachlorobutadiene	0.190	0.188	0.186	0.175	0.171	0.173	AVRG		0.18054		4.576	15.000	
4-Chloro-3-Methylphenol	0.270	0.280	0.293	0.287	0.281	0.307	AVRG		0.28652		4.370	15.000	
2-Methylnaphthalene	0.597	0.570	0.540	0.521	0.497	0.539	AVRG		0.54388		6.493	15.000	
1-Methylnaphthalene	0.602	0.567	0.488	0.526	0.459	0.491	AVRG		0.52246		10.317	15.000	
Hexachlorocyclopentadiene	0.327	0.341	0.385	0.390	0.387	0.430	AVRG		0.37647		9.894	15.000	
2,4,6-Trichlorophenol	0.397	0.382	0.415	0.395	0.397	0.424	AVRG		0.40172		3.804	15.000	
2,4,5-Trichlorophenol	0.422	0.404	0.448	0.430	0.435	0.464	AVRG		0.43407		4.734	15.000	
2-Chloronaphthalene	1.241	1.218	1.153	1.083	1.041	1.132	AVRG		1.14472		6.711	15.000	
Diethyl Adipate	0.450	0.418	0.393	0.401	0.358	0.396	AVRG		0.40266		7.514	15.000	
2-Nitroaniline	18333	41753	111490	207350	243460	419280	2ORDR	-3e-002	3.00836	-0.4846	0.99604	0.99000	
Acenaphthylene	1.874	1.814	1.832	1.722	1.637	1.823	AVRG		1.78364		4.907	15.000	
Dimethyl Phthalate	1.377	1.308	1.312	1.251	1.175	1.297	AVRG		1.28669		5.281	15.000	
2,6-Dinitrotoluene	10516	25151	73977	134540	168940	263730	LINR	0.21044	3.17162		0.99091	0.99000	
Acenaphthene	1.222	1.162	1.108	1.051	1.000	1.134	AVRG		1.11283		7.110	15.000	
3-Nitroaniline	11522	26868	77687	141570	174870	287630	2ORDR	2e-002	4.12780	-0.8705	0.99741	0.99000	
2,4-Dinitrophenol	2119	5237	23562	48128	67336	116880	2ORDR	0.19995	10.9924	-7.4522	0.99903	0.99000	
Dibenzofuran	1.566	1.498	1.485	1.402	1.334	1.494	AVRG		1.46329		5.616	15.000	
4-Nitrophenol	5294	13416	45657	79400	100840	175050	2ORDR	6e-002	7.19096	-2.8974	0.99524	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
2,4-Dinitrotoluene	13312	32487	92385	175890	217050	353260	2ORDR	4e-002	3.30651	-0.5535	0.99850	0.99000	
Fluorene	1.111	1.063	1.078	1.022	0.986	1.094	AVRG		1.05906		4.425	15.000	
Diethylphthalate	1.345	1.305	1.248	1.212	1.132	1.315	AVRG		1.25952		6.240	15.000	
4-Chlorophenyl-phenylether	0.602	0.553	0.529	0.512	0.509	0.536	AVRG		0.54021		6.319	15.000	
4-Nitroaniline	6836	17613	62754	109900	140540	232520	2ORDR	9e-002	5.01262	-1.3018	0.99602	0.99000	
4,6-Dinitro-2-Methylphenol	3557	9826	35082	70792	89582	155960	2ORDR	0.15696	10.1397	-5.5093	0.99969	0.99000	
N-Nitrosodiphenylamine	0.580	0.564	0.548	0.545	0.537	0.578	AVRG		0.55846		3.226	15.000	
1,2-Diphenylhydrazine	1.109	1.126	1.110	1.082	1.033	1.245	AVRG		1.11741		6.314	15.000	
4-Bromophenyl-phenylether	0.232	0.249	0.226	0.237	0.221	0.233	AVRG		0.23284		4.048	15.000	
Hexachlorobenzene	0.304	0.309	0.280	0.289	0.282	0.293	AVRG		0.29288		4.031	15.000	
Pentachlorophenol	7288	18983	57971	110100	129440	216200	LINR	0.21583	5.29664		0.99365	0.99000	
Phenanthrene	1.128	1.108	1.028	0.998	0.970	1.052	AVRG		1.04734		5.883	15.000	
Anthracene	1.041	1.022	0.997	0.983	0.950	1.033	AVRG		1.00449		3.429	15.000	
Carbazole	0.884	0.846	0.826	0.774	0.723	0.820	AVRG		0.81239		6.962	15.000	
Di-n-butylphthalate	1.194	1.217	1.187	1.250	1.149	1.287	AVRG		1.21394		4.044	15.000	
Fluoranthene	0.937	0.879	0.894	0.877	0.842	0.912	AVRG		0.89016		3.672	15.000	
Benzidine	0.028	0.019	0.056	0.066	0.076	0.081	AVRG		5e-002		47.169	15.000	<-
Pyrene	1.557	1.545	1.435	1.389	1.381	1.396	AVRG		1.45053		5.529	15.000	
Butylbenzylphthalate	0.665	0.654	0.694	0.660	0.684	0.718	AVRG		0.67920		3.609	15.000	
Bis(2-Ethylhexyl)Adipate	0.500	0.549	0.566	0.550	0.555	0.605	AVRG		0.55448		6.094	15.000	
Benzo(a)anthracene	1.030	1.005	1.046	1.000	0.973	1.080	AVRG		1.02230		3.702	15.000	
Chrysene	1.085	1.012	1.024	0.956	0.950	0.989	AVRG		1.00268		4.984	15.000	
3,3'-Dichlorobenzidine	0.286	0.266	0.298	0.278	0.276	0.302	AVRG		0.28457		4.803	15.000	
bis(2-Ethylhexyl)phthalate	0.870	0.878	0.900	0.907	0.918	0.959	AVRG		0.90540		3.502	15.000	
Di-n-octylphthalate	1.923	2.235	2.174	2.088	2.158	2.408	AVRG		2.16446		7.403	15.000	
Benzo(b)fluoranthene	1.558	1.537	1.415	1.408	1.502	1.583	AVRG		1.50053		4.939	15.000	
Benzo(k)fluoranthene	1.690	1.638	1.651	1.541	1.550	1.551	AVRG		1.60351		3.996	15.000	
Benzo(a)pyrene	1.327	1.305	1.298	1.238	1.293	1.386	AVRG		1.30779		3.704	15.000	
Indeno(1,2,3-cd)pyrene	1.015	1.122	1.179	1.110	1.247	1.382	AVRG		1.17603		10.806	15.000	
Dibenzo(a,h)anthracene	1.060	1.092	1.198	1.114	1.263	1.337	AVRG		1.17742		9.157	15.000	
Benzo(g,h,i)perylene	1.123	1.167	1.245	1.157	1.301	1.388	AVRG		1.23025		8.198	15.000	
Benzaldehyde	0.142	0.169	0.229	0.284	0.265	0.166	AVRG		0.20905		27.926	15.000	<
Acetophenone	1.719	1.689	1.585	1.653	1.445	1.563	AVRG		1.60905		6.220	15.000	
Caprolactam	0.086	0.098	0.106	0.103	0.098	0.112	AVRG		0.10032		8.686	15.000	
1,1'-Biphenyl	1.560	1.510	1.468	1.363	1.330	1.438	AVRG		1.44500		6.034	15.000	
Atrazine	0.208	0.214	0.203	0.202	0.195	0.210	AVRG		0.20525		3.282	15.000	
2-Fluorophenol	1.189	1.199	1.198	1.214	1.127	1.212	AVRG		1.18972		2.706	15.000	
Phenol-D6	1.504	1.455	1.423	1.429	1.297	1.367	AVRG		1.41253		5.103	15.000	
Nitrobenzene-D5	0.300	0.316	0.354	0.338	0.358	0.393	AVRG		0.34309		9.637	15.000	
2-Fluorobiphenyl	1.305	1.246	1.218	1.166	1.132	1.228	AVRG		1.21599		4.979	15.000	
2,4,6-Tribromophenol	0.168	0.169	0.192	0.188	0.191	0.213	AVRG		0.18673		8.974	15.000	
Terphenyl-D14	0.986	0.917	0.892	0.872	0.858	0.874	AVRG		0.89992		5.187	15.000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

Average %RSD test result.

Calculate Average %RSD: 6.687792778
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date: 05/27/03 Time: 1635

Lab File ID: K4353 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.5744000	1.5744000	0.01	7.54	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.1840000	1.1840000	0.01	-1.09		AVRG
2-Chlorophenol	1.2160000	1.2339000	1.2339000	0.01	1.47		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.2874000	2.2874000	0.01	-0.11		AVRG
2-Methylphenol	0.9540000	0.9909200	0.9909200	0.01	3.87		AVRG
Hexachloroethane	0.5550000	0.5707600	0.5707600	0.01	2.84		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7801700	0.7801700	0.05	-0.99		AVRG
4-Methylphenol	0.9740000	1.0541000	1.0541000	0.01	8.22		AVRG
Nitrobenzene	0.3670000	0.3977100	0.3977100	0.01	8.37		AVRG
Isophorone	0.6860000	0.7194300	0.7194300	0.01	4.87		AVRG
2-Nitrophenol	55.312000	50.000000	0.1943500	0.01	10.62		LINR
2,4-Dimethylphenol	0.3560000	0.3603200	0.3603200	0.01	1.21		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4339400	0.4339400	0.01	-1.82		AVRG
2,4-Dichlorophenol	0.2860000	0.3053500	0.3053500	0.01	6.76	20.00	AVRG
4-Chloroaniline	0.3820000	0.3941700	0.3941700	0.01	3.18		AVRG
Hexachlorobutadiene	0.1800000	0.1901800	0.1901800	0.01	5.66	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2958300	0.2958300	0.01	3.44	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3994000	0.3994000	0.05	5.94		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4475400	0.4475400	0.01	11.33	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4572600	0.4572600	0.01	5.36		AVRG
2-Chloronaphthalene	1.1450000	1.2079000	1.2079000	0.01	5.49		AVRG
2-Nitroaniline	59.712000	50.000000	0.4438000	0.01	19.42		2RDR
Dimethyl Phthalate	1.2870000	1.3528000	1.3528000	0.01	5.11		AVRG
2,6-Dinitrotoluene	58.454000	50.000000	0.3155300	0.01	16.91		LINR
3-Nitroaniline	59.782000	50.000000	0.3107400	0.01	19.56		2RDR
2,4-Dinitrophenol	50.582000	50.000000	8.34e-002	0.05	1.16		2RDR
Dibenzofuran	1.4630000	1.5037000	1.5037000	0.01	2.78		AVRG
4-Nitrophenol	49.244000	50.000000	0.1400900	0.05	-1.51		2RDR
2,4-Dinitrotoluene	61.192000	50.000000	0.3917700	0.01	22.38		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date: 05/27/03 Time: 1635

Lab File ID: K4353 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.2684000	1.2684000	0.01	0.67		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5444000	0.5444000	0.01	0.81		AVRG
4-Nitroaniline	59.608000	50.000000	0.2427100	0.01	19.22		2RDR
4,6-Dinitro-2-Methylphenol	62.034000	50.000000	0.1197100	0.01	24.07		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5914200	0.5914200	0.01	5.80	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2635200	0.2635200	0.01	13.10		AVRG
Hexachlorobenzene	0.2930000	0.3385400	0.3385400	0.01	15.54		AVRG
Pentachlorophenol	45.016000	50.000000	0.1373800	0.01	-9.97		LINR
Carbazole	0.8120000	0.7921100	0.7921100	0.01	-2.45		AVRG
Di-n-butylphthalate	1.2140000	1.2246000	1.2246000	0.01	0.87		AVRG
Butylbenzylphthalate	0.6790000	0.7568400	0.7568400	0.01	11.46		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3198900	0.3198900	0.01	12.64		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.9461500	0.9461500	0.01	4.55		AVRG
Di-n-octylphthalate	2.1640000	2.4293000	2.4293000	0.01	12.26	20.00	AVRG
Benzaldehyde	0.2090000	0.6807700	0.6807700	0.01	225.73		AVRG
Acetophenone	1.6090000	1.5378000	1.5378000	0.01	-4.42		AVRG
Caprolactam	0.1000000	0.1015100	0.1015100	0.01	1.51		AVRG
1,1'-Biphenyl	1.4450000	1.5017000	1.5017000	0.01	3.92		AVRG
Atrazine	0.2050000	0.2071600	0.2071600	0.01	1.05		AVRG
2-Fluorophenol	1.1900000	1.2438000	1.2438000	0.01	4.52		AVRG
Phenol-D6	1.4120000	1.4800000	1.4800000	0.01	4.82		AVRG
Nitrobenzene-D5	0.3430000	0.3776800	0.3776800	0.01	10.11		AVRG
2-Fluorobiphenyl	1.2160000	1.3029000	1.3029000	0.01	7.15		AVRG
2,4,6-Tribromophenol	0.1870000	0.2163000	0.2163000	0.01	15.67		AVRG
Terphenyl-D14	0.9000000	1.1003000	1.1003000	0.01	22.26		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date: 06/05/03 Time: 1326

Lab File ID: K4479 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.4113000	1.4113000	0.01	-3.60	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.1616000	1.1616000	0.01	-2.96		AVRG
2-Chlorophenol	1.2160000	1.1839000	1.1839000	0.01	-2.64		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.3178000	2.3178000	0.01	1.21		AVRG
2-Methylphenol	0.9540000	0.9551800	0.9551800	0.01	0.12		AVRG
Hexachloroethane	0.5550000	0.5276400	0.5276400	0.01	-4.93		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7726200	0.7726200	0.05	-1.95		AVRG
4-Methylphenol	0.9740000	0.9723000	0.9723000	0.01	-0.17		AVRG
Nitrobenzene	0.3670000	0.3763100	0.3763100	0.01	2.54		AVRG
Isophorone	0.6860000	0.6499900	0.6499900	0.01	-5.25		AVRG
2-Nitrophenol	56.436000	50.000000	0.1988500	0.01	12.87		LINR
2,4-Dimethylphenol	0.3560000	0.3433100	0.3433100	0.01	-3.56		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4188400	0.4188400	0.01	-5.24		AVRG
2,4-Dichlorophenol	0.2860000	0.2900500	0.2900500	0.01	1.42	20.00	AVRG
4-Chloroaniline	0.3820000	0.3976100	0.3976100	0.01	4.09		AVRG
Hexachlorobutadiene	0.1800000	0.2059300	0.2059300	0.01	14.41	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2936100	0.2936100	0.01	2.66	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3690100	0.3690100	0.05	-2.12		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4121500	0.4121500	0.01	2.52	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4318400	0.4318400	0.01	-0.50		AVRG
2-Chloronaphthalene	1.1450000	1.0644000	1.0644000	0.01	-7.04		AVRG
2-Nitroaniline	54.601000	50.000000	0.4028400	0.01	9.20		2RDR
Dimethyl Phthalate	1.2870000	1.1924000	1.1924000	0.01	-7.35		AVRG
2,6-Dinitrotoluene	55.593000	50.000000	0.2974900	0.01	11.19		LINR
3-Nitroaniline	53.210000	50.000000	0.2731000	0.01	6.42		2RDR
2,4-Dinitrophenol	67.752000	50.000000	0.1211600	0.05	35.50		2RDR
Dibenzofuran	1.4630000	1.3413000	1.3413000	0.01	-8.32		AVRG
4-Nitrophenol	44.502000	50.000000	0.1248700	0.05	-11.00		2RDR
2,4-Dinitrotoluene	55.483000	50.000000	0.3508800	0.01	10.97		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date: 06/05/03 Time: 1326

Lab File ID: K4479 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1003000	1.1003000	0.01	-12.68		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.4954600	0.4954600	0.01	-8.25		AVRG
4-Nitroaniline	54.978000	50.000000	0.2209600	0.01	9.96		2RDR
4,6-Dinitro-2-Methylphenol	68.064000	50.000000	0.1340800	0.01	36.13		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5468600	0.5468600	0.01	-2.17	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2370400	0.2370400	0.01	1.73		AVRG
Hexachlorobenzene	0.2930000	0.2923200	0.2923200	0.01	-0.23		AVRG
Pentachlorophenol	51.286000	50.000000	0.1610600	0.01	2.57		LINR
Carbazole	0.8120000	0.6967900	0.6967900	0.01	-14.19		AVRG
Di-n-butylphthalate	1.2140000	1.1146000	1.1146000	0.01	-8.19		AVRG
Butylbenzylphthalate	0.6790000	0.6022600	0.6022600	0.01	-11.30		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3065500	0.3065500	0.01	7.94		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8456400	0.8456400	0.01	-6.56		AVRG
Di-n-octylphthalate	2.1640000	2.0428000	2.0428000	0.01	-5.60	20.00	AVRG
Benzaldehyde	0.2090000	0.7171600	0.7171600	0.01	243.14		AVRG
Acetophenone	1.6090000	1.4815000	1.4815000	0.01	-7.92		AVRG
Caprolactam	0.1000000	9.81e-002	9.81e-002	0.01	-1.90		AVRG
1,1'-Biphenyl	1.4450000	1.3617000	1.3617000	0.01	-5.76		AVRG
Atrazine	0.2050000	0.1676100	0.1676100	0.01	-18.24		AVRG
2-Fluorophenol	1.1900000	1.1622000	1.1622000	0.01	-2.34		AVRG
Phenol-D6	1.4120000	1.3782000	1.3782000	0.01	-2.39		AVRG
Nitrobenzene-D5	0.3430000	0.3716800	0.3716800	0.01	8.36		AVRG
2-Fluorobiphenyl	1.2160000	1.1819000	1.1819000	0.01	-2.80		AVRG
2,4,6-Tribromophenol	0.1870000	0.2005700	0.2005700	0.01	7.26		AVRG
Terphenyl-D14	0.9000000	0.8472000	0.8472000	0.01	-5.87		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date: 06/06/03 Time: 1656

Lab File ID: K4493 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.2152000	1.2152000	0.01	-16.99	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.0025000	1.0025000	0.01	-16.25		AVRG
2-Chlorophenol	1.2160000	1.0048000	1.0048000	0.01	-17.37		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.0857000	2.0857000	0.01	-8.92		AVRG
2-Methylphenol	0.9540000	0.8338400	0.8338400	0.01	-12.60		AVRG
Hexachloroethane	0.5550000	0.5006700	0.5006700	0.01	-9.79		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.6693300	0.6693300	0.05	-15.06		AVRG
4-Methylphenol	0.9740000	0.8771200	0.8771200	0.01	-9.95		AVRG
Nitrobenzene	0.3670000	0.3363400	0.3363400	0.01	-8.35		AVRG
Isophorone	0.6860000	0.5722900	0.5722900	0.01	-16.58		AVRG
2-Nitrophenol	50.102000	50.000000	0.1734900	0.01	0.20		LINR
2,4-Dimethylphenol	0.3560000	0.2900700	0.2900700	0.01	-18.52		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.3624200	0.3624200	0.01	-18.00		AVRG
2,4-Dichlorophenol	0.2860000	0.2491900	0.2491900	0.01	-12.87	20.00	AVRG
4-Chloroaniline	0.3820000	0.3271000	0.3271000	0.01	-14.37		AVRG
Hexachlorobutadiene	0.1800000	0.1669500	0.1669500	0.01	-7.25	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2359000	0.2359000	0.01	-17.52	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4151800	0.4151800	0.05	10.13		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3474400	0.3474400	0.01	-13.57	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.3946900	0.3946900	0.01	-9.06		AVRG
2-Chloronaphthalene	1.1450000	0.9942000	0.9942000	0.01	-13.17		AVRG
2-Nitroaniline	46.971000	50.000000	0.3431500	0.01	-6.06		2RDR
Dimethyl Phthalate	1.2870000	1.0677000	1.0677000	0.01	-17.04		AVRG
2,6-Dinitrotoluene	49.428000	50.000000	0.2586100	0.01	-1.14		LINR
3-Nitroaniline	48.737000	50.000000	0.2479800	0.01	-2.53		2RDR
2,4-Dinitrophenol	74.598000	50.000000	0.1371000	0.05	49.20		2RDR
Dibenzofuran	1.4630000	1.2702000	1.2702000	0.01	-13.18		AVRG
4-Nitrophenol	39.254000	50.000000	0.1083400	0.05	-21.49		2RDR
2,4-Dinitrotoluene	53.533000	50.000000	0.3371100	0.01	7.07		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date: 06/06/03 Time: 1656

Lab File ID: K4493 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	0.9935300	0.9935300	0.01	-21.15		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.4601600	0.4601600	0.01	-14.78		AVRG
4-Nitroaniline	44.559000	50.000000	0.1732900	0.01	-10.88		2RDR
4,6-Dinitro-2-Methylphenol	75.962000	50.000000	0.1534400	0.01	51.92		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5088100	0.5088100	0.01	-8.98	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2512300	0.2512300	0.01	7.82		AVRG
Hexachlorobenzene	0.2930000	0.2752800	0.2752800	0.01	-6.05		AVRG
Pentachlorophenol	47.202000	50.000000	0.1456300	0.01	-5.60		LINR
Carbazole	0.8120000	0.6338300	0.6338300	0.01	-21.94		AVRG
Di-n-butylphthalate	1.2140000	1.0464000	1.0464000	0.01	-13.81		AVRG
Butylbenzylphthalate	0.6790000	0.5639100	0.5639100	0.01	-16.95		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2458000	0.2458000	0.01	-13.45		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.7271700	0.7271700	0.01	-19.65		AVRG
Di-n-octylphthalate	2.1640000	1.9173000	1.9173000	0.01	-11.40	20.00	AVRG
Benzaldehyde	0.2090000	0.3873500	0.3873500	0.01	85.34		AVRG
Acetophenone	1.6090000	1.3344000	1.3344000	0.01	-17.07		AVRG
Caprolactam	0.1000000	7.95e-002	7.95e-002	0.01	-20.50		AVRG
1,1'-Biphenyl	1.4450000	1.1972000	1.1972000	0.01	-17.15		AVRG
Atrazine	0.2050000	0.1533600	0.1533600	0.01	-25.19		AVRG
2-Fluorophenol	1.1900000	1.1018000	1.1018000	0.01	-7.41		AVRG
Phenol-D6	1.4120000	1.1989000	1.1989000	0.01	-15.09		AVRG
Nitrobenzene-D5	0.3430000	0.3252500	0.3252500	0.01	-5.17		AVRG
2-Fluorobiphenyl	1.2160000	1.0600000	1.0600000	0.01	-12.83		AVRG
2,4,6-Tribromophenol	0.1870000	0.1971000	0.1971000	0.01	5.40		AVRG
Terphenyl-D14	0.9000000	0.7607600	0.7607600	0.01	-15.47		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date: 06/09/03 Time: 1807

Lab File ID: K4508 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.2948000	1.2948000	0.01	-11.56	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.0125000	1.0125000	0.01	-15.41		AVRG
2-Chlorophenol	1.2160000	1.0523000	1.0523000	0.01	-13.46		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.0052000	2.0052000	0.01	-12.44		AVRG
2-Methylphenol	0.9540000	0.8282000	0.8282000	0.01	-13.19		AVRG
Hexachloroethane	0.5550000	0.5021700	0.5021700	0.01	-9.52		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.6455800	0.6455800	0.05	-18.07		AVRG
4-Methylphenol	0.9740000	0.8777600	0.8777600	0.01	-9.88		AVRG
Nitrobenzene	0.3670000	0.3236800	0.3236800	0.01	-11.80		AVRG
Isophorone	0.6860000	0.5989500	0.5989500	0.01	-12.69		AVRG
2-Nitrophenol	50.844000	50.000000	0.1764600	0.01	1.69		LINR
2,4-Dimethylphenol	0.3560000	0.2968900	0.2968900	0.01	-16.60		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.3765100	0.3765100	0.01	-14.82		AVRG
2,4-Dichlorophenol	0.2860000	0.2559400	0.2559400	0.01	-10.51	20.00	AVRG
4-Chloroaniline	0.3820000	0.3324800	0.3324800	0.01	-12.96		AVRG
Hexachlorobutadiene	0.1800000	0.1683600	0.1683600	0.01	-6.47	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2379100	0.2379100	0.01	-16.82	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3407200	0.3407200	0.05	-9.62		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3293500	0.3293500	0.01	-18.07	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.3429200	0.3429200	0.01	-20.99		AVRG
2-Chloronaphthalene	1.1450000	0.9057300	0.9057300	0.01	-20.90		AVRG
2-Nitroaniline	42.878000	50.000000	0.3118000	0.01	-14.24		2RDR
Dimethyl Phthalate	1.2870000	1.0479000	1.0479000	0.01	-18.58		AVRG
2,6-Dinitrotoluene	48.821000	50.000000	0.2547800	0.01	-2.36		LINR
3-Nitroaniline	51.076000	50.000000	0.2610700	0.01	2.15		2RDR
2,4-Dinitrophenol	78.812000	50.000000	0.1472000	0.05	57.62		2RDR
Dibenzofuran	1.4630000	1.1510000	1.1510000	0.01	-21.33		AVRG
4-Nitrophenol	36.617000	50.000000	0.1001400	0.05	-26.77		2RDR
2,4-Dinitrotoluene	51.729000	50.000000	0.3244400	0.01	3.46		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date: 06/09/03 Time: 1807

Lab File ID: K4508 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.0164000	1.0164000	0.01	-19.33		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.4382800	0.4382800	0.01	-18.84		AVRG
4-Nitroaniline	52.423000	50.000000	0.2091100	0.01	4.85		2RDR
4,6-Dinitro-2-Methylphenol	74.120000	50.000000	0.1488600	0.01	48.24		2RDR
N-Nitrosodiphenylamine	0.5590000	0.4638800	0.4638800	0.01	-17.02	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2250300	0.2250300	0.01	-3.42		AVRG
Hexachlorobenzene	0.2930000	0.2758200	0.2758200	0.01	-5.86		AVRG
Pentachlorophenol	51.989000	50.000000	0.1637100	0.01	3.98		LINR
Carbazole	0.8120000	0.6150600	0.6150600	0.01	-24.25		AVRG
Di-n-butylphthalate	1.2140000	1.1161000	1.1161000	0.01	-8.06		AVRG
Butylbenzylphthalate	0.6790000	0.5806900	0.5806900	0.01	-14.48		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2575400	0.2575400	0.01	-9.32		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.7494300	0.7494300	0.01	-17.19		AVRG
Di-n-octylphthalate	2.1640000	2.0577000	2.0577000	0.01	-4.91	20.00	AVRG
Benzaldehyde	0.2090000	0.6989000	0.6989000	0.01	234.40		AVRG
Acetophenone	1.6090000	1.2844000	1.2844000	0.01	-20.17		AVRG
Caprolactam	0.1000000	8.57e-002	8.57e-002	0.01	-14.30		AVRG
1,1'-Biphenyl	1.4450000	1.0920000	1.0920000	0.01	-24.43		AVRG
Atrazine	0.2050000	0.1549700	0.1549700	0.01	-24.40		AVRG
2-Fluorophenol	1.1900000	1.0830000	1.0830000	0.01	-8.99		AVRG
Phenol-D6	1.4120000	1.1442000	1.1442000	0.01	-18.97		AVRG
Nitrobenzene-D5	0.3430000	0.3355600	0.3355600	0.01	-2.17		AVRG
2-Fluorobiphenyl	1.2160000	0.9357800	0.9357800	0.01	-23.04		AVRG
2,4,6-Tribromophenol	0.1870000	0.1821800	0.1821800	0.01	-2.58		AVRG
Terphenyl-D14	0.9000000	0.7926700	0.7926700	0.01	-11.93		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date: 06/11/03 Time: 1231

Lab File ID: K4536 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.7417000	1.7417000	0.01	18.97	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.3862000	1.3862000	0.01	15.81		AVRG
2-Chlorophenol	1.2160000	1.4284000	1.4284000	0.01	17.47		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.2710000	2.2710000	0.01	-0.83		AVRG
2-Methylphenol	0.9540000	0.9625500	0.9625500	0.01	0.90		AVRG
Hexachloroethane	0.5550000	0.5773500	0.5773500	0.01	4.03		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.8060200	0.8060200	0.05	2.29		AVRG
4-Methylphenol	0.9740000	1.0007000	1.0007000	0.01	2.74		AVRG
Nitrobenzene	0.3670000	0.3740700	0.3740700	0.01	1.93		AVRG
Isophorone	0.6860000	0.6381000	0.6381000	0.01	-6.98		AVRG
2-Nitrophenol	56.034000	50.000000	0.1972300	0.01	12.07		LINR
2,4-Dimethylphenol	0.3560000	0.3423200	0.3423200	0.01	-3.84		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4153800	0.4153800	0.01	-6.02		AVRG
2,4-Dichlorophenol	0.2860000	0.2658500	0.2658500	0.01	-7.04	20.00	AVRG
4-Chloroaniline	0.3820000	0.3525300	0.3525300	0.01	-7.71		AVRG
Hexachlorobutadiene	0.1800000	0.1913700	0.1913700	0.01	6.32	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2676300	0.2676300	0.01	-6.42	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4400800	0.4400800	0.05	16.73		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3851000	0.3851000	0.01	-4.20	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.3984200	0.3984200	0.01	-8.20		AVRG
2-Chloronaphthalene	1.1450000	1.0793000	1.0793000	0.01	-5.74		AVRG
2-Nitroaniline	52.827000	50.000000	0.3888100	0.01	5.65		2RDR
Dimethyl Phthalate	1.2870000	1.2132000	1.2132000	0.01	-5.73		AVRG
2,6-Dinitrotoluene	52.504000	50.000000	0.2780100	0.01	5.01		LINR
3-Nitroaniline	53.633000	50.000000	0.2755000	0.01	7.27		2RDR
2,4-Dinitrophenol	76.066000	50.000000	0.1406000	0.05	52.13		2RDR
Dibenzofuran	1.4630000	1.4584000	1.4584000	0.01	-0.31		AVRG
4-Nitrophenol	44.840000	50.000000	0.1259500	0.05	-10.32		2RDR
2,4-Dinitrotoluene	60.360000	50.000000	0.3857600	0.01	20.72		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-K Calibration Date: 06/11/03 Time: 1231

Lab File ID: K4536 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1365000	1.1365000	0.01	-9.80		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5282100	0.5282100	0.01	-2.18		AVRG
4-Nitroaniline	50.071000	50.000000	0.1983000	0.01	0.14		2RDR
4,6-Dinitro-2-Methylphenol	72.326000	50.000000	0.1444400	0.01	44.65		2RDR
N-Nitrosodiphenylamine	0.5590000	0.4947400	0.4947400	0.01	-11.50	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2272000	0.2272000	0.01	-2.49		AVRG
Hexachlorobenzene	0.2930000	0.2987400	0.2987400	0.01	1.96		AVRG
Pentachlorophenol	49.139000	50.000000	0.1529500	0.01	-1.72		LINR
Carbazole	0.8120000	0.7049800	0.7049800	0.01	-13.18		AVRG
Di-n-butylphthalate	1.2140000	1.1509000	1.1509000	0.01	-5.20		AVRG
Butylbenzylphthalate	0.6790000	0.6641700	0.6641700	0.01	-2.18		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2741500	0.2741500	0.01	-3.47		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8353600	0.8353600	0.01	-7.70		AVRG
Di-n-octylphthalate	2.1640000	2.0365000	2.0365000	0.01	-5.89	20.00	AVRG
Benzaldehyde	0.2090000	0.6409000	0.6409000	0.01	206.65		AVRG
Acetophenone	1.6090000	1.5042000	1.5042000	0.01	-6.51		AVRG
Caprolactam	0.1000000	7.95e-002	7.95e-002	0.01	-20.50		AVRG
1,1'-Biphenyl	1.4450000	1.3953000	1.3953000	0.01	-3.44		AVRG
Atrazine	0.2050000	0.1540500	0.1540500	0.01	-24.85		AVRG
2-Fluorophenol	1.1900000	1.4923000	1.4923000	0.01	25.40		AVRG
Phenol-D6	1.4120000	1.6741000	1.6741000	0.01	18.56		AVRG
Nitrobenzene-D5	0.3430000	0.3625000	0.3625000	0.01	5.68		AVRG
2-Fluorobiphenyl	1.2160000	1.1772000	1.1772000	0.01	-3.19		AVRG
2,4,6-Tribromophenol	0.1870000	0.2056300	0.2056300	0.01	9.96		AVRG
Terphenyl-D14	0.9000000	0.9524200	0.9524200	0.01	5.82		AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): K4353 Date Analyzed: 05/27/03

Instrument ID: GCMS-K Time Analyzed: 1635

	CLIENT SAMPLE ID	LAB SAMPLE ID	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD		180991	8.77	546186	11.60	232346	15.73
	UPPER LIMIT		361982	9.27	1092372	12.10	464692	16.23
	LOWER LIMIT		90496	8.27	273093	11.10	116173	15.23
01	WG2354-BLANK	WG2354-1	160356	8.76	437928	11.59	191153	15.72
02	WG2354-LCS	WG2354-2	156660	8.76	463726	11.59	212235	15.73
03	10GLM0701	WT1127-8	157625	8.76	432851	11.59	220494	15.72
04	10GLM0601	WT1127-10	143477	8.76	426700	11.59	200338	15.72
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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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): K4353 Date Analyzed: 05/27/03

Instrument ID: GCMS-K Time Analyzed: 1635

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD							
UPPER LIMIT		285930	19.19	147281	25.52	79251	28.68
LOWER LIMIT		571860	19.69	294562	26.02	158502	29.18
		142965	18.69	73641	25.02	39626	28.18
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2354-BLANK	WG2354-1	255692	19.19	144194	25.51	79239	28.68
02	WG2354-LCS	WG2354-2	248424	19.19	153680	25.51	88910	28.68
03	10GLM0701	WT1127-8	276244	19.18	179714	25.51	108393	28.68
04	10GLM0601	WT1127-10	253235	19.18	134305	25.51	91988	28.68
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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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): K4479 Date Analyzed: 06/05/03

Instrument ID: GCMS-K Time Analyzed: 1326

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		260857	8.50	778312	11.34	395484	15.46
UPPER LIMIT		521714	9.00	1556624	11.84	790968	15.96
LOWER LIMIT		130429	8.00	389156	10.84	197742	14.96
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2354-LCSD	WG2354-3	185927	8.51	592792	11.34	277378	15.46
02 10GLM01R01	WT1127-1	209948	8.50	624133	11.34	296182	15.46
03 10GLM01R01D	WT1127-3	195246	8.51	582709	11.34	242219	15.47
04 10GLM0901	WT1127-6	168266	8.50	530403	11.35	263901	15.47
05 03RL051403	WT1127-12	165940	8.50	516086	11.34	240949	15.46
06 03GLM0402	WT1127-14	152637	8.50	467811	11.34	231817	15.47
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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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): K4479 Date Analyzed: 06/05/03

Instrument ID: GCMS-K Time Analyzed: 1326

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		474511	18.90	307549	25.21	189154	28.36
UPPER LIMIT		949022	19.40	615098	25.71	378308	28.86
LOWER LIMIT		237256	18.40	153775	24.71	94577	27.86
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2354-LCSD	WG2354-3	386689	18.91	268428	25.22	170838	28.38
02 10GLM01R01	WT1127-1	372688	18.91	199033	25.22	110595	28.39
03 10GLM01R01D	WT1127-3	309495	18.92	188985	25.22	109250	28.38
04 10GLM0901	WT1127-6	363149	18.91	252475	25.21	148727	28.38
05 03RL051403	WT1127-12	334234	18.91	244617	25.22	158909	28.38
06 03GLM0402	WT1127-14	292212	18.90	228957	25.21	145042	28.37
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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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): K4493 Date Analyzed: 06/06/03

Instrument ID: GCMS-K Time Analyzed: 1656

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		183091	8.48	547120	11.31	252801	15.43
UPPER LIMIT		366182	8.98	1094240	11.81	505602	15.93
LOWER LIMIT		91546	7.98	273560	10.81	126401	14.93
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2323-BLANK	WG2323-1	102016	8.47	293044	11.30	143730	15.42
02	WG2323-LCS	WG2323-2	107949	8.48	332571	11.31	160179	15.43
03	WG2323-LCSD	WG2323-3	116816	8.48	379483	11.31	193223	15.43
04	09GLM04S02	WT1109-1	126721	8.47	374814	11.31	173386	15.42
05	09GLM09S02	WT1109-2	137806	8.47	405816	11.30	197665	15.42
06	09RB051303	WT1109-5	144160	8.47	423613	11.30	205975	15.42
07	09GLM08S02	WT1109-7	137452	8.46	426725	11.31	227613	15.43
08	09GLM08S02D	WT1109-8	142765	8.47	458391	11.30	241895	15.42
09	09GLM02S02	WT1109-9	118761	8.47	362382	11.30	166305	15.42
10	09GLM06S02	WT1109-10	136558	8.47	409098	11.30	253143	15.42
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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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): K4493 Date Analyzed: 06/06/03

Instrument ID: GCMS-K Time Analyzed: 1656

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		295673	18.87	199209	25.18	113025	28.33
UPPER LIMIT		591346	19.37	398418	25.68	226050	28.83
LOWER LIMIT		147837	18.37	99605	24.68	56513	27.83
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2323-BLANK	WG2323-1	210989	18.87	176898	25.17	135456	28.33
02 WG2323-LCS	WG2323-2	228490	18.88	154817	25.18	99932	28.33
03 WG2323-LCSD	WG2323-3	251855	18.88	174186	25.18	104357	28.33
04 09GLM04S02	WT1109-1	234366	18.88	102318	25.17	73528	28.33
05 09GLM09S02	WT1109-2	272284	18.87	166316	25.17	100630	28.33
06 09RB051303	WT1109-5	282467	18.87	229326	25.18	136473	28.33
07 09GLM08S02	WT1109-7	363885	18.87	251211	25.18	155398	28.33
08 09GLM08S02D	WT1109-8	356436	18.87	260653	25.18	162622	28.34
09 09GLM02S02	WT1109-9	282123	18.86	168840	25.17	93022	28.33
10 09GLM06S02	WT1109-10	348092	18.87	254522	25.18	156399	28.33
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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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): K4508 Date Analyzed: 06/09/03

Instrument ID: GCMS-K Time Analyzed: 1807

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		148607	8.45	433577	11.27	222140	15.38
UPPER LIMIT		297214	8.95	867154	11.77	444280	15.88
LOWER LIMIT		74304	7.95	216789	10.77	111070	14.88
	CLIENT SAMPLE ID / LAB SAMPLE ID						
01	09GLM01S02 / WT1109-11	129578	8.44	410140	11.26	209837	15.37
02	09GLM03S02 / WT1109-3RA	107621	8.45	291483	11.27	129157	15.37
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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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): K4508 Date Analyzed: 06/09/03

Instrument ID: GCMS-K Time Analyzed: 1807

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	287033	18.81	200971	25.11	115170	28.25
UPPER LIMIT	574066	19.31	401942	25.61	230340	28.75
LOWER LIMIT	143517	18.31	100486	24.61	57585	27.75

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	09GLM01S02	WT1109-11	292254	18.81	197651	25.10	114667	28.25
02	09GLM03S02	WT1109-3RA	175774	18.81	119471	25.09	78437	28.25
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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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): K4536 Date Analyzed: 06/11/03

Instrument ID: GCMS-K Time Analyzed: 1231

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		183521	8.41	548825	11.24	235699	15.35
UPPER LIMIT		367042	8.91	1097650	11.74	471398	15.85
LOWER LIMIT		91761	7.91	274413	10.74	117850	14.85
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 09GLM03I02	WT1109-4	174755	8.42	515050	11.24	203257	15.36
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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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): K4536 Date Analyzed: 06/11/03

Instrument ID: GCMS-K Time Analyzed: 1231

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	309134	18.79	210413	25.08	127394	28.23
UPPER LIMIT	618268	19.29	420826	25.58	254788	28.73
LOWER LIMIT	154567	18.29	105207	24.58	63697	27.73

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	09GLM03I02	WT1109-4	261643	18.80	165395	25.09	117072	28.25
02								
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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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/09/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2334-1
Client ID: WG2334-Blank
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2334
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.025
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.022
76-44-8	Heptachlor	U	0.050	1.0	0.050	0.050	0.024
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.042
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.022
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.029
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.023
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.018
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.028
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.017
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.018
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.028
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.016
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.030
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.021
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.023
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.045
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.92
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.019
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.019
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.020
877-09-8	Tetrachloro-m-Xylene		51%				
2051-24-3	Decachlorobiphenyl		58%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/10/03
Report Date: 06/13/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2334-1
Client ID: SCWG2334-Blank
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: SCWG2334
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.025
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.022
76-44-8	Heptachlor	U	0.050	1.0	0.050	0.050	0.024
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.042
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.022
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.029
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.023
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.018
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.028
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.017
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.018
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.028
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.016
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.030
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.021
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.023
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.045
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.92
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.019
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.019
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.020
877-09-8	Tetrachloro-m-Xylene		51%				
2051-24-3	Decachlorobiphenyl		60%				

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

GC Column(1): RTX-CLPI ID: 0.53 (mm) GC Column(2): RTX-CLPII 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	WG2334-BLANK	WG2334-1	50	51	55	58			0
02	WG2334-LCS	WG2334-2	54	57	58	59			0
03	WG2334-LCSD	WG2334-3	58	61	57	60			0
04	SCWG2334-BLANK	WG2334-1	48	51	58	60			0
05	SCWG2334-LCS	WG2334-2	55	58	58	60			0
06	SCWG2334-LCSD	WG2334-3	56	61	59	60			0
07	03RL051403	WT1127-12	61	67	76	78			0
08	03GLM0402	WT1127-14	55	60	87	84			0
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 (40- 93)
S2 (DCB) = Decachlorobiphenyl (16-134)

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

FORM II PEST-1

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/10/03
Report Date: 06/13/2003
Matrix: WATER

Lab ID: WG2334-2 & WG2334-3
Client ID: WG2334-LCS & WG2334-LCSD
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2334
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
alpha-BHC	0.50	0.50	NA	0.35	0.36	69	71	3	30	52-118
gamma BHC	0.50	0.50	NA	0.37	0.37	74	74	0.5	30	57-123
Heptachlor	0.50	0.50	NA	0.37	0.35	74	69	6	30	40-139
beta-BHC	0.50	0.50	NA	0.42	0.38	83	76	8	30	59-136
Aldrin	0.50	0.50	NA	0.37	0.35	74	71	4	30	54-116
delta-BHC	0.50	0.50	NA	0.41	0.38	82	* 75	8	30	77-127
Heptachlor Epoxide	0.50	0.50	NA	0.43	0.41	86	81	6	30	70-126
Endosulfan I	0.50	0.50	NA	0.41	0.38	81	76	6	30	65-127
4,4'-DDE	0.50	0.50	NA	0.44	0.41	87	81	7	30	69-124
Dieldrin	0.50	0.50	NA	0.45	0.41	90	83	9	30	76-127
Endrin	0.50	0.50	NA	0.47	0.44	93	87	7	30	84-132
4,4'-DDD	0.50	0.50	NA	0.46	0.40	91	* 81	12	30	83-123
Endosulfan II	0.50	0.50	NA	0.43	0.40	85	81	5	30	79-129
4,4'-DDT	0.50	0.50	NA	0.42	0.40	* 84	* 80	5	30	86-124
Endrin Aldehyde	0.50	0.50	NA	0.44	0.42	89	* 84	6	30	88-136
Endosulfan sulfate	0.50	0.50	NA	0.45	0.41	90	* 82	10	30	90-129
Methoxychlor	0.50	0.50	NA	0.50	0.45	100	91	10	30	76-168
alpha-Chlordane	0.50	0.50	NA	0.43	0.41	86	82	5	30	64-128
gamma-Chlordane	0.50	0.50	NA	0.43	0.40	86	80	7	30	64-125
Endrin Ketone	0.50	0.50	NA	0.48	0.43	95	* 86	11	30	87-132

FORM III PEST-1

8TF1109.d & 8TF1110.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/10/03
Report Date: 06/13/2003
Matrix: WATER

Lab ID: WG2334-2 & WG2334-3
Client ID: SCWG2334-LCS & SCWG2334-LCSD
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: SCWG2334
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.		LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
alpha-BHC	0.50	0.50	NA	0.35	0.34	70		68	3	30	52-118
gamma BHC	0.50	0.50	NA	0.38	0.35	75		70	7	30	57-123
Heptachlor	0.50	0.50	NA	0.36	0.36	72		72	0.3	30	40-139
beta-BHC	0.50	0.50	NA	0.41	0.38	83		77	7	30	59-136
Aldrin	0.50	0.50	NA	0.37	0.36	73		72	2	30	54-116
delta-BHC	0.50	0.50	NA	0.40	0.38	81	*	76	6	30	77-127
Heptachlor Epoxide	0.50	0.50	NA	0.42	0.41	84		81	4	30	70-126
Endosulfan I	0.50	0.50	NA	0.40	0.38	80		77	4	30	65-127
4,4'-DDE	0.50	0.50	NA	0.44	0.44	87		88	1	30	69-124
Dieldrin	0.50	0.50	NA	0.44	0.41	88		82	7	30	76-127
Endrin	0.50	0.50	NA	0.47	0.44	94		87	7	30	84-132
4,4'-DDD	0.50	0.50	NA	0.45	0.41	90	*	81	10	30	83-123
Endosulfan II	0.50	0.50	NA	0.43	0.40	86		80	7	30	79-129
4,4'-DDT	0.50	0.50	NA	0.43	0.40	86	*	80	6	30	86-124
Endrin Aldehyde	0.50	0.50	NA	0.44	0.42	89	*	85	5	30	88-136
Endosulfan sulfate	0.50	0.50	NA	0.45	0.42	90	*	84	7	30	90-129
Methoxychlor	0.50	0.50	NA	0.51	0.47	101		94	8	30	76-168
alpha-Chlordane	0.50	0.50	NA	0.43	0.41	86		82	5	30	64-128
gamma-Chlordane	0.50	0.50	NA	0.42	0.40	84		81	4	30	64-125
Endrin Ketone	0.50	0.50	NA	0.47	0.44	95		88	7	30	87-132

FORM III PEST-1

8TF1112.d & 8TF1113.d

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2334-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab Sample ID: WG2334-1 Lab File ID: 8TF1108

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 05/20/03

Date Analyzed (1): 06/09/03 Date Analyzed (2): 06/09/03

Time Analyzed (1): 2342 Time Analyzed (2): 2342

Instrument ID (1): GC08 Instrument ID (2): GC08

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII 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	WG2334-LCS	WG2334-2	8TF1109	06/10/03	06/10/03
02	WG2334-LCSD	WG2334-3	8TF1110	06/10/03	06/10/03
03	03RL051403	WT1127-12	8TF1118	06/10/03	06/10/03
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

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

SCWG2334-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CT0287-1

Lab Sample ID: WG2334-1 Lab File ID: 8TF1111

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) Y Date Extracted: 05/20/03

Date Analyzed (1): 06/10/03 Date Analyzed (2): 06/10/03

Time Analyzed (1): 0104 Time Analyzed (2): 0104

Instrument ID (1): GC08 Instrument ID (2): GC08

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII 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	SCWG2334-LCS	WG2334-2	8TF1112	06/10/03	06/10/03
02	SCWG2334-LCSD	WG2334-3	8TF1113	06/10/03	06/10/03
03	03GLM0402	WT1127-14	8TF1119	06/10/03	06/10/03
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
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17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPI ID: 0.53 (mm) Calibration Time(s): 1140 1845

LAB FILE ID: RF0.005: 8TB3179 RF0.01: 8TB3180 RF0.025: 8TB3181
RF0.05: 8TB3178 RF0.1: 8TB3182 RF0.25: 8TB3183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
alpha-BHC	12542	24649	71843	165260	291910	680360	2ORDR	1.e-003	3e-007	9e-014	0.99946	0.99000
gamma BHC	12444	25048	67550	156520	284620	666440	2ORDR	1.e-003	3e-007	8e-014	0.99964	0.99000
Heptachlor	17890	33479	82427	164360	296160	668210	2ORDR	-5e-004	3.e-007	1e-013	0.99986	0.99000
beta-BHC	6072	11618	30786	68317	122280	301210	2ORDR	1e-004	8e-007	2e-013	0.99953	0.99000
Aldrin	15952	31509	78100	161150	304810	666620	2ORDR	6e-004	3e-007	1e-013	0.99996	0.99000
delta-BHC	4076	8640	27125	86515	156900	432900	2ORDR	3.e-003	6e-007	-1e-013	0.99834	0.99000
Heptachlor Epoxide	15573	29893	72339	137300	260430	581050	2ORDR	-4e-004	3e-007	1e-013	0.99999	0.99000
Endosulfan I	15598	29961	71908	136390	255080	547230	2ORDR	-2e-004	3e-007	2e-013	1.00000	0.99000
4,4'-DDE	10401	20023	46863	98608	177230	443190	2ORDR	-9e-004	5e-007	4e-014	0.99959	0.99000
Dieldrin	11482	22443	58563	120560	229830	515690	2ORDR	6e-004	4e-007	2e-013	0.99997	0.99000
Endrin	10119	19501	51014	104340	200510	447060	2ORDR	7.e-004	4e-007	2e-013	0.99997	0.99000
4,4'-DDD	1886	4008	12711	41042	70220	211980	2ORDR	3e-003	1e-006	-1e-012	0.99749	0.99000
Endosulfan II	7964	15585	40308	87188	158670	376640	2ORDR	2e-004	6e-007	2e-013	0.99975	0.99000
4,4'-DDT	3496	7270	21403	57610	102970	278730	2ORDR	2e-003	9e-007	-2e-013	0.99887	0.99000
Endrin Aldehyde	4184	7462	19045	40227	72750	178120	2ORDR	-5e-004	1e-006	5e-013	0.99968	0.99000
Endosulfan sulfate	2326	4899	15040	40966	73887	209080	2ORDR	2e-003	1e-006	-8e-013	0.99883	0.99000
Methoxychlor	1362	2388	6973	13719	27782	65253	2ORDR	8e-004	3e-006	6e-012	0.99993	0.99000
Toxaphene	3150	7713	13374	24661	55846	108810	2ORDR	-1e-002	4e-005	8e-011	0.99970	0.99000
(2)	3436	8813	15682	30727	71933	147490	2ORDR	1e-002	3e-005	3e-011	0.99960	0.99000
(3)	3395	8813	16049	32132	76028	156060	2ORDR	2e-002	3e-005	2e-011	0.99960	0.99000
(4)	4480	11396	21379	42949	101320	207180	2ORDR	2e-002	2e-005	1e-011	0.99961	0.99000
(5)	4271	11168	21476	44278	110810	226760	2ORDR	4e-002	2.e-005	8e-012	0.99974	0.99000
(6)	3372	8897	17058	35239	87503	184570	2ORDR	5e-002	3e-005	1e-011	0.99953	0.99000
(7)	5031	13697	27209	55550	135620	275230	2ORDR	4e-002	2e-005	7e-012	0.99972	0.99000
(8)	2383	6730	13489	29269	77111	165600	2ORDR	7e-002	3e-005	8e-012	0.99946	0.99000
(9)	2586	6794	13814	29085	75649	163080	2ORDR	7e-002	3e-005	1.e-011	0.99937	0.99000
(10)	3403	8855	16219	32164	77618	158410	2ORDR	2e-002	3e-005	2.e-011	0.99968	0.99000
alpha-Chlordane	14862	28105	68386	135230	245340	541950	2ORDR	-3e-004	4e-007	2e-013	0.99993	0.99000
gamma-Chlordane	15243	28823	70661	139880	250710	577420	2ORDR	-8e-004	4e-007	1e-013	0.99978	0.99000
Endrin Ketone	4996	10025	26824	63268	109600	276680	2ORDR	4e-004	9e-007	1e-013	0.99907	0.99000
Tetrachloro-m-Xylene	13229	23752	57405	115470	209060	470760	2ORDR	-5e-004	4e-007	2e-013	0.99988	0.99000
Decachlorobiphenyl	11476	21069	47184	88494	145610	319280	2ORDR	-2e-003	6e-007	7e-013	0.99916	0.99000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPII ID: 0.53 (mm) Calibration Time(s): 1140 1845

LAB FILE ID: RF0.005: 8TB4179 RF0.01: 8TB4180 RF0.025: 8TB4181
RF0.05: 8TB4178 RF0.1: 8TB4182 RF0.25: 8TB4183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
alpha-BHC	11498	24118	67534	145060	277540	627650	2ORDR	1e-003	3e-007	1e-013	0.99990	0.99000
gamma BHC	11018	22685	61686	129130	245880	558630	2ORDR	9e-004	4e-007	1e-013	0.99994	0.99000
Heptachlor	10247	19504	49853	102960	184860	437760	2ORDR	-4e-004	5.e-007	2e-013	0.99971	0.99000
beta-BHC	6675	12486	29793	60533	112580	250930	2ORDR	-8e-005	8e-007	8e-013	0.99996	0.99000
Aldrin	9591	18788	48018	101260	193820	440190	2ORDR	7.e-004	5e-007	2e-013	0.99995	0.99000
delta-BHC	5854	12247	35751	91122	169620	428910	2ORDR	2e-003	6e-007	3e-014	0.99941	0.99000
Heptachlor Epoxide	8624	16452	40945	81251	155240	346620	2ORDR	2e-004	6e-007	4.e-013	1.00000	0.99000
Endosulfan I	7276	13829	34559	67251	129500	295720	2ORDR	-1e-004	7e-007	4e-013	1.00000	0.99000
4,4'-DDE	7434	14420	36131	73418	140950	324830	2ORDR	2e-004	7e-007	3e-013	0.99999	0.99000
Dieldrin	7018	13729	35313	70415	139570	327070	2ORDR	4e-004	7e-007	2e-013	0.99999	0.99000
Endrin	6685	12911	32789	66021	128530	286020	2ORDR	6e-004	7.e-007	6e-013	0.99996	0.99000
4,4'-DDD	3895	7860	21530	49573	95079	237060	2ORDR	1e-003	1.e-006	1e-013	0.99979	0.99000
Endosulfan II	6784	13169	33186	67228	126350	286400	2ORDR	1e-004	7e-007	5e-013	0.95997	0.99000
4,4'-DDT	5109	10065	26195	58030	112650	273850	2ORDR	9e-004	9e-007	2.e-013	0.99990	0.99000
Endrin Aldehyde	6397	11051	26913	55166	100950	228010	2ORDR	-3e-004	9e-007	9.e-013	0.99990	0.99000
Endosulfan sulfate	3809	7799	20353	47215	83043	213500	2ORDR	2e-004	1e-006	5.e-014	0.99922	0.99000
Methoxychlor	2723	5389	14096	30322	55350	132310	2ORDR	2.e-004	2e-006	2e-012	0.99976	0.99000
Toxaphene	224	1073	1325	2437	7050	15791	2ORDR	7e-002	3e-004	9e-010	0.99843	0.99000
(2)	274	909	1247	2258	7342	16848	2ORDR	0.11460	3e-004	1e-009	0.99762	0.99000
(3)	546	1387	2487	5534	17162	41475	2ORDR	0.13852	1e-004	-6e-011	0.99803	0.99000
(4)	1053	2668	4818	10314	28296	63486	2ORDR	9e-002	8e-005	4e-011	0.99889	0.99000
(5)	309	672	952	2569	9527	24224	2ORDR	0.19951	2e-004	-2e-010	0.99658	0.99000
(6)	4270	10272	19693	39188	95346	192430	2ORDR	3e-002	2e-005	2e-011	0.99962	0.99000
(7)	2688	7261	14460	29470	77660	162180	2ORDR	6e-002	3e-005	1e-011	0.99954	0.99000
(8)	1310	3603	7162	14480	41596	92336	2ORDR	1e-001	5e-005	2e-011	0.99894	0.99000
(9)	800	2201	4249	9191	27976	66499	2ORDR	0.12739	8e-005	-3e-011	0.99844	0.99000
(10)	1640	4464	9016	18863	53543	118270	2ORDR	9e-002	4e-005	6e-012	0.99920	0.99000
alpha-Chlordane	7968	15246	37477	73350	140110	314680	2ORDR	-6e-005	6e-007	5e-013	1.00000	0.99000
gamma-Chlordane	8296	15809	39100	78037	151380	347220	2ORDR	1e-004	6e-007	3.e-013	1.00000	0.99000
Endrin Ketone	4828	9766	25577	57285	100240	245630	2ORDR	9e-005	9e-007	4e-013	0.99934	0.99000
Tetrachloro-m-Xylene	11628	21775	50024	99405	180560	395170	2ORDR	-5e-004	5e-007	4e-013	0.99994	0.99000
Decachlorobiphenyl	10075	18273	41270	75911	137180	297420	2ORDR	-1e-003	6e-007	7e-013	0.99990	0.99000

FORM VI SV

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

GC Column: RTX-CLPI ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/09/03

Client Sample ID (PEM): EVAL Date Analyzed :06/09/03
Lab Sample ID (PEM): EVAL Time Analyzed :1517

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	8TF1091.d	6.17	0.54

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

GC Column: RTX-CLPII ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/09/03

Client Sample ID (PEM): EVAL
Lab Sample ID (PEM): EVAL

Date Analyzed :06/09/03
Time Analyzed :1517

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	8TF2091.d	6.35	0.84

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC08 Calibration Date: 06/09/03 Time: 1912

Lab File ID: 8TF1098 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPI ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Endosulfan I	5.15e-002	5.e-002	2810000.0	0.01	3.00	15.00	2RDR	
gamma BHC	4.88e-002	5.e-002	2883700.0	0.01	-2.40	15.00	2RDR	
beta-BHC	5.01e-002	5.e-002	1271100.0	0.01	0.20	15.00	2RDR	
delta-BHC	4.42e-002	5.e-002	1344400.0	0.01	-11.60	15.00	2RDR	
Heptachlor	5.01e-002	5.e-002	3171000.0	0.01	0.20	15.00	2RDR	
Aldrin	5.05e-002	5.e-002	3236100.0	0.01	1.00	15.00	2RDR	
Heptachlor Epoxide	5.2e-002	5.e-002	2851300.0	0.01	4.00	15.00	2RDR	
gamma-Chlordane	5.09e-002	5.e-002	2721400.0	0.01	1.80	15.00	2RDR	
alpha-Chlordane	4.95e-002	5.e-002	2606200.0	0.01	-1.00	15.00	2RDR	
4,4'-DDE	4.58e-002	5.e-002	1696600.0	0.01	-8.40	15.00	2RDR	
alpha-BHC	4.82e-002	5.e-002	2962200.0	0.01	-3.60	15.00	2RDR	
Dieldrin	4.92e-002	5.e-002	2355100.0	0.01	-1.60	15.00	2RDR	
Endrin	5.24e-002	5.e-002	2178000.0	0.01	4.80	15.00	2RDR	
4,4'-DDD	4.09e-002	5.e-002	559460.00	0.01	-18.20	15.00	2RDR	<-
Endosulfan II	4.98e-002	5.e-002	1644100.0	0.01	-0.40	15.00	2RDR	
4,4'-DDT	4.69e-002	5.e-002	963480.00	0.01	-6.20	15.00	2RDR	
Endrin Aldehyde	4.87e-002	5.e-002	738000.00	0.01	-2.60	15.00	2RDR	
Methoxychlor	4.99e-002	5.e-002	279240.00	0.01	-0.20	15.00	2RDR	
Endosulfan sulfate	4.85e-002	5.e-002	708160.00	0.01	-3.00	15.00	2RDR	
Endrin Ketone	4.98e-002	5.e-002	1136100.0	0.01	-0.40	15.00	2RDR	

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC08 Calibration Date: 06/09/03 Time: 1912

Lab File ID: 8TF2098 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPII ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4,4'-DDE	5.02e-002	5.e-002	1459800.0	0.01	0.40	15.00	2RDR
gamma BHC	5.03e-002	5.e-002	2560400.0	0.01	0.60	15.00	2RDR
beta-BHC	5.03e-002	5.e-002	1195500.0	0.01	0.60	15.00	2RDR
delta-BHC	4.96e-002	5.e-002	1684500.0	0.01	-0.80	15.00	2RDR
Heptachlor	5.01e-002	5.e-002	1951600.0	0.01	0.20	15.00	2RDR
Aldrin	4.95e-002	5.e-002	1983900.0	0.01	-1.00	15.00	2RDR
Heptachlor Epoxide	5.04e-002	5.e-002	1635500.0	0.01	0.80	15.00	2RDR
gamma-Chlordane	4.96e-002	5.e-002	1550700.0	0.01	-0.80	15.00	2RDR
alpha-Chlordane	5.08e-002	5.e-002	1487100.0	0.01	1.60	15.00	2RDR
Endosulfan I	5.2e-002	5.e-002	1396400.0	0.01	4.00	15.00	2RDR
alpha-BHC	4.96e-002	5.e-002	2840000.0	0.01	-0.80	15.00	2RDR
Dieldrin	5.13e-002	5.e-002	1454500.0	0.01	2.60	15.00	2RDR
Endrin	5.35e-002	5.e-002	1420400.0	0.01	7.00	15.00	2RDR
4,4'-DDD	4.78e-002	5.e-002	908700.00	0.01	-4.40	15.00	2RDR
Endosulfan II	5.02e-002	5.e-002	1327600.0	0.01	0.40	15.00	2RDR
4,4'-DDT	4.87e-002	5.e-002	1103400.0	0.01	-2.60	15.00	2RDR
Endrin Aldehyde	4.82e-002	5.e-002	1031600.0	0.01	-3.60	15.00	2RDR
Endosulfan sulfate	5.01e-002	5.e-002	859260.00	0.01	0.20	15.00	2RDR
Methoxychlor	4.83e-002	5.e-002	555340.00	0.01	-3.40	15.00	2RDR
Endrin Ketone	5.19e-002	5.e-002	1089000.0	0.01	3.80	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC08 Calibration Date: 06/10/03 Time: 0842

Lab File ID: 8TF1128 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPI ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	5.08e-002	5.e-002	3116100.0	0.01	1.60	15.00	2RDR	
gamma BHC	4.98e-002	5.e-002	2942200.0	0.01	-0.40	15.00	2RDR	
Heptachlor	5.25e-002	5.e-002	3311900.0	0.01	5.00	15.00	2RDR	
beta-BHC	4.89e-002	5.e-002	1241000.0	0.01	-2.20	15.00	2RDR	
Aldrin	5.19e-002	5.e-002	3317300.0	0.01	3.80	15.00	2RDR	
delta-BHC	4.72e-002	5.e-002	1445000.0	0.01	-5.60	15.00	2RDR	
Heptachlor Epoxide	5.08e-002	5.e-002	2787400.0	0.01	1.60	15.00	2RDR	
Endosulfan I	5.31e-002	5.e-002	2892800.0	0.01	6.20	15.00	2RDR	
4,4'-DDE	4.66e-002	5.e-002	1722500.0	0.01	-6.80	15.00	2RDR	
Dieldrin	5.03e-002	5.e-002	2404500.0	0.01	0.60	15.00	2RDR	
Endrin	5.06e-002	5.e-002	2106700.0	0.01	1.20	15.00	2RDR	
4,4'-DDD	3.99e-002	5.e-002	544740.00	0.01	-20.20	15.00	2RDR	<-
Endosulfan II	5.11e-002	5.e-002	1688400.0	0.01	2.20	15.00	2RDR	
4,4'-DDT	4.54e-002	5.e-002	932100.00	0.01	-9.20	15.00	2RDR	
Endrin Aldehyde	5.1e-002	5.e-002	771360.00	0.01	2.00	15.00	2RDR	
Endosulfan sulfate	5.55e-002	5.e-002	816580.00	0.01	11.00	15.00	2RDR	
Methoxychlor	3.95e-002	5.e-002	221120.00	0.01	-21.00	15.00	2RDR	<-
alpha-Chlordane	5.05e-002	5.e-002	2655400.0	0.01	1.00	15.00	2RDR	
gamma-Chlordane	5.01e-002	5.e-002	2679800.0	0.01	0.20	15.00	2RDR	
Endrin Ketone	5.49e-002	5.e-002	1251700.0	0.01	9.80	15.00	2RDR	
Tetrachloro-m-Xylene	4.95e-002	5.e-002	2207500.0	0.01	-1.00	15.00	2RDR	
Decachlorobiphenyl	4.81e-002	5.e-002	1596800.0	0.01	-3.80	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC08 Calibration Date: 06/10/03 Time: 0842

Lab File ID: 8TF2128 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPII ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.03e-002	5.e-002	2874500.0	0.01	0.60	15.00	2RDR
gamma BHC	5.03e-002	5.e-002	2559300.0	0.01	0.60	15.00	2RDR
Heptachlor	5.41e-002	5.e-002	2100600.0	0.01	8.20	15.00	2RDR
beta-BHC	5.15e-002	5.e-002	1222400.0	0.01	3.00	15.00	2RDR
Aldrin	4.97e-002	5.e-002	1991700.0	0.01	-0.60	15.00	2RDR
delta-BHC	5.3e-002	5.e-002	1801400.0	0.01	6.00	15.00	2RDR
Heptachlor Epoxide	5.e-002	5.e-002	1622200.0	0.01	0.00	15.00	2RDR
Endosulfan I	5.15e-002	5.e-002	1382500.0	0.01	3.00	15.00	2RDR
4,4'-DDE	4.89e-002	5.e-002	1424900.0	0.01	-2.20	15.00	2RDR
Dieldrin	5.19e-002	5.e-002	1472800.0	0.01	3.80	15.00	2RDR
Endrin	5.09e-002	5.e-002	1355400.0	0.01	1.80	15.00	2RDR
4,4'-DDD	4.82e-002	5.e-002	917600.00	0.01	-3.60	15.00	2RDR
Endosulfan II	5.11e-002	5.e-002	1348500.0	0.01	2.20	15.00	2RDR
4,4'-DDT	4.97e-002	5.e-002	1125400.0	0.01	-0.60	15.00	2RDR
Endrin Aldehyde	4.96e-002	5.e-002	1061600.0	0.01	-0.80	15.00	2RDR
Endosulfan sulfate	5.64e-002	5.e-002	966620.00	0.01	12.80	15.00	2RDR
Methoxychlor	4.99e-002	5.e-002	573360.00	0.01	-0.20	15.00	2RDR
alpha-Chlordane	5.03e-002	5.e-002	1472800.0	0.01	0.60	15.00	2RDR
gamma-Chlordane	5.01e-002	5.e-002	1564600.0	0.01	0.20	15.00	2RDR
Endrin Ketone	5.62e-002	5.e-002	1176900.0	0.01	12.40	15.00	2RDR
Tetrachloro-m-Xylene	5.14e-002	5.e-002	1993400.0	0.01	2.80	15.00	2RDR
Decachlorobiphenyl	5.14e-002	5.e-002	1535700.0	0.01	2.80	15.00	2RDR

FORM VII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

GC Column: RTX-CLPI ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/09/03

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 17.85 TCX: 4.99

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	ICAL	INDAB 0.05PP	06/09/03	1630	17.85	4.99
02	ICAL	INDAB 0.005P	06/09/03	1657	17.85	4.99
03	ICAL	INDAB 0.01PP	06/09/03	1724	17.85	4.99
04	ICAL	INDAB 0.025P	06/09/03	1751	17.85	4.99
05	ICAL	INDAB 0.10PP	06/09/03	1818	17.84	4.99
06	ICAL	INDAB 0.25PP	06/09/03	1845	17.84	4.99
07	INDSOURCE	INDAB 0.05PP	06/09/03	1912		
08	ICAL	TOX 1.0PPM	06/09/03	1939		
09	ICAL	CHLOR 0.5PPM	06/09/03	2006		
10	WG2334-BLANK	WG2334-1	06/09/03	2342	17.85	4.99
11	WG2334-LCS	WG2334-2	06/10/03	0010	17.84	5.00
12	WG2334-LCSD	WG2334-3	06/10/03	0037	17.84	4.99
13	SCWG2334-BLA	WG2334-1	06/10/03	0104	17.84	4.99
14	SCWG2334-LCS	WG2334-2	06/10/03	0131	17.84	4.99
15	SCWG2334-LCS	WG2334-3	06/10/03	0158	17.84	4.99
16	03RL051403	WT1127-12	06/10/03	0413	17.84	4.99
17	03GLM0402	WT1127-14	06/10/03	0440	17.83	4.99
18	CV	INDAB 0.05PP	06/10/03	0842	17.84	4.99
19						
20						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 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: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

GC Column: RTX-CLPII ID: 0.53 (mm) Init. Calib. Date(s): 02/26/03 06/09/03

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 21.89 TCX: 5.96

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	ICAL	INDAB 0.05PP	06/09/03	1630	21.91	5.96
02	ICAL	INDAB 0.005P	06/09/03	1657	21.89	5.96
03	ICAL	INDAB 0.01PP	06/09/03	1724	21.89	5.96
04	ICAL	INDAB 0.025P	06/09/03	1751	21.89	5.96
05	ICAL	INDAB 0.10PP	06/09/03	1818	21.89	5.96
06	ICAL	INDAB 0.25PP	06/09/03	1845	21.89	5.96
07	INDSOURCE	INDAB 0.05PP	06/09/03	1912		
08	ICAL	TOX 1.0PPM	06/09/03	1939		
09	ICAL	CHLOR 0.5PPM	06/09/03	2006		
10	WG2334-BLANK	WG2334-1	06/09/03	2342	21.89	5.96
11	WG2334-LCS	WG2334-2	06/10/03	0010	21.91	5.97
12	WG2334-LCSD	WG2334-3	06/10/03	0037	21.89	5.96
13	SCWG2334-BLA	WG2334-1	06/10/03	0104	21.89	5.96
14	SCWG2334-LCS	WG2334-2	06/10/03	0131	21.89	5.96
15	SCWG2334-LCS	WG2334-3	06/10/03	0158	21.89	5.96
16	03RL051403	WT1127-12	06/10/03	0413	21.89	5.96
17	03GLM0402	WT1127-14	06/10/03	0440	21.89	5.96
18	CV	INDAB 0.05PP	06/10/03	0842	21.89	5.96
19						
20						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/07/03
Report Date: 06/11/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2335-1
Client ID: WG2335-Blank
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2335
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	0.30
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.32
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.25
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.13
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.16
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.12
877-09-8	Tetrachloro-m-xylene		54%				
2051-24-3	Decachlorobiphenyl		54%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/11/03
Report Date: 06/11/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2335-1
Client ID: SCWG2335-Blank
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: SCWG2335
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	0.30
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.32
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.25
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.13
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.16
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.12
877-09-8	Tetrachloro-m-xylene		52%				
2051-24-3	Decachlorobiphenyl		54%				

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

GC Column(1): ZB-5 ID: 0.53 (mm) GC Column(2): ZB-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	WG2335-BLANK	WG2335-1	54	49	54	54			0
02	WG2335-LCS	WG2335-2	60	55	59	61			0
03	03RL051403	WT1127-12	67	61	74	74			0
04	SCWG2335-BLANK	WG2335-1	52	48	54	54			0
05	SCWG2335-LCS	WG2335-2	62	57	60	60			0
06	03GLM0402	WT1127-14	73	66	78	78			0
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 (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
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/07/03
Report Date: 06/11/2003
Matrix: WATER

Lab ID: WG2335-2
Client ID: WG2335-LCS
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2335
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Aroclor-1016	5.0	NA	3.8	76	51-146
Aroclor-1260	5.0	NA	4.5	90	63-132

FORM III PEST-1

6TP1040.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/11/03
Report Date: 06/11/2003
Matrix: WATER

Lab ID: WG2335-2
Client ID: SCWG2335-LCS
SDG: CTO287-1
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: SCWG2335
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Aroclor-1016	5.0	NA	3.9	78	51-146
Aroclor-1260	5.0	NA	4.5	91	63-132

FORM III PEST-1

6TF1079.d

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2335-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab Sample ID: WG2335-1 Lab File ID: 6TF1039

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 05/20/03

Date Analyzed (1): 06/07/03 Date Analyzed (2): 06/07/03

Time Analyzed (1): 1304 Time Analyzed (2): 1304

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-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	WG2335-LCS	WG2335-2	6TF1040	06/07/03	06/07/03
02	03RL051403	WT1127-12	6TF1042	06/07/03	06/07/03
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

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

SCWG2335-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab Sample ID: WG2335-1 Lab File ID: 6TF1078

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) Y Date Extracted: 05/20/03

Date Analyzed (1): 06/11/03 Date Analyzed (2): 06/11/03

Time Analyzed (1): 1028 Time Analyzed (2): 1028

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-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	SCWG2335-LCS	WG2335-2	6TF1079	06/11/03	06/11/03
02	03GLM0402	WT1127-14	6TF1080	06/11/03	06/11/03
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

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date(s): 05/10/03 05/10/03

Column: ZB-5 ID: 0.53 (mm) Calibration Time(s): 1007 2158

LAB FILE ID: RF0.05: 6TE1123 RF0.1: 6TE1124 RF0.25: 6TE1125
RF1: 6TE1122 RF2.5: 6TE1126 RF10: 6TE1127

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	872	1742	4006	14841	30908	104070	2ORDR	-3e-002	7e-005	2e-010	0.99981	0.99000	
(2)	1476	2889	6375	22313	45496	146800	2ORDR	-4e-002	5e-005	1e-010	0.99978	0.99000	
(3)	2030	4109	9671	39992	86436	302780	2ORDR	-2e-002	3e-005	2e-011	0.99987	0.99000	
(4)	658	1348	3196	13981	31623	115780	2ORDR	-6e-003	8e-005	1e-010	0.99993	0.99000	
(5)	768	1551	3687	14500	31687	111700	2ORDR	-2e-002	7e-005	1e-010	0.99989	0.99000	
Aroclor-1221							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
Aroclor-1232							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
(5)							2ORDR					0.00000	<-
Aroclor-1242	692	1340	3269	12596	25887	88241	2ORDR	-3e-002	9e-005	3.e-010	0.99975	0.99000	
(2)	1134	2146	4952	18392	36380	120020	2ORDR	-4e-002	6.e-005	2e-010	0.99964	0.99000	
(3)	838	1626	3926	15754	32103	111380	2ORDR	-3e-002	7e-005	2e-010	0.99970	0.99000	
(4)	1489	2917	7284	31162	66776	245460	2ORDR	-2e-002	4e-005	2e-011	0.99981	0.99000	
(5)	912	1774	4334	18011	37893	135400	2ORDR	-2e-002	6e-005	9e-011	0.99978	0.99000	
Aroclor-1248	673	1220	2757	9655	20408	65906	2ORDR	-4e-002	1e-004	7e-010	0.99988	0.99000	
(2)	1170	2011	4640	18223	41858	149650	2ORDR	-2e-002	6e-005	7e-011	0.99997	0.99000	
(3)	1235	2189	5050	19576	43777	150960	2ORDR	-2e-002	5e-005	9e-011	0.99995	0.99000	
(4)	997	1731	3927	13781	29212	94641	2ORDR	-4e-002	8e-005	3e-010	0.99989	0.99000	
(5)	797	1378	3160	12337	28068	100760	2ORDR	-2e-002	8e-005	1e-010	0.99996	0.99000	
Aroclor-1254	492	963	2244	8758	18909	64813	2ORDR	-2e-002	1e-004	5e-010	0.99989	0.99000	
(2)	2247	4174	9194	33676	71113	241280	2ORDR	-4e-002	3e-005	4e-011	0.99984	0.99000	
(3)	2014	3853	8961	35917	78922	278170	2ORDR	-2e-002	3.e-005	2e-011	0.99991	0.99000	
(4)	1580	2989	6975	28041	61473	220880	2ORDR	-2e-002	4e-005	3e-011	0.99989	0.99000	
(5)	449	823	2012	8692	19896	73810	2ORDR	-7e-003	1e-004	2.e-010	0.99995	0.99000	
Aroclor-1260	1946	3759	8336	29449	62288	213370	2ORDR	-4e-002	4e-005	5e-011	0.99983	0.99000	
(2)	1986	3933	8846	32573	70019	244790	2ORDR	-3e-002	3e-005	3e-011	0.99986	0.99000	
(3)	1917	3906	9167	36017	79338	284900	2ORDR	-2e-002	3.e-005	2e-011	0.99990	0.99000	
(4)	1106	2327	5615	23402	52466	195080	2ORDR	-1e-002	5e-005	3e-011	0.99991	0.99000	
(5)	547	1179	2870	11700	26364	96985	2ORDR	-1e-002	9e-005	1e-010	0.99993	0.99000	
Tetrachloro-m-xylene	779	1565	3789	16622	38895	144070	2ORDR	-1e-005	1e-006	1e-012	0.99997	0.99000	
Decachlorobiphenyl	664	1364	3268	12292	26489	88652	2ORDR	-4e-004	2e-006	6e-012	0.99990	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date(s): 05/10/03 05/10/03

Column: ZB-35 ID: 0.53 (mm) Calibration Time(s): 1007 2158

LAB FILE ID: RF0.05: 6TE2123 RF0.1: 6TE2124 RF0.25: 6TE2125
RF1: 6TE2122 RF2.5: 6TE2126 RF10: 6TE2127

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	1713	3485	7649	27528	55331	175750	2ORDR	-4e-002	4e-005	1.e-010	0.99976	0.99000	
(2)	3752	7209	15439	53474	105790	331970	2ORDR	-5e-002	2.e-005	3e-011	0.99972	0.99000	
(3)	4752	9771	22334	84885	180200	617470	2ORDR	-3e-002	1e-005	6e-012	0.99984	0.99000	
(4)	2320	4510	9786	35514	75489	255870	2ORDR	-4e-002	3.e-005	3e-011	0.99986	0.99000	
(5)	2455	4752	10269	35253	70875	226930	2ORDR	-5e-002	3e-005	6.e-011	0.99974	0.99000	
Aroclor-1221							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
Aroclor-1232							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
(5)							2ORDR					0.00000	<-
Aroclor-1242	1402	2666	6370	23186	46793	150280	2ORDR	-3e-002	5e-005	1e-010	0.99976	0.99000	
(2)	2926	5439	12406	43505	85885	271050	2ORDR	-4e-002	2e-005	5e-011	0.99970	0.99000	
(3)	1136	2207	5272	19503	38894	124420	2ORDR	-3e-002	6e-005	2.e-010	0.99972	0.99000	
(4)	3515	6758	16827	67697	142220	497200	2ORDR	-2e-002	2e-005	8.e-012	0.99979	0.99000	
(5)	1822	3166	7444	28778	59861	206650	2ORDR	-3e-002	4e-005	5.e-011	0.99978	0.99000	
Aroclor-1248	1627	2783	6368	21621	44797	137210	2ORDR	-4e-002	5e-005	2e-010	0.99989	0.99000	
(2)	2985	4808	10703	40626	90043	309430	2ORDR	-3e-002	3e-005	2e-011	0.99994	0.99000	
(3)	3355	5630	12179	41332	86185	272200	2ORDR	-4e-002	3e-005	4e-011	0.99987	0.99000	
(4)	3262	5445	12059	42671	90930	293160	2ORDR	-4e-002	2e-005	3e-011	0.99991	0.99000	
(5)	2140	3742	8423	30902	67135	223240	2ORDR	-3e-002	3e-005	5.e-011	0.99992	0.99000	
Aroclor-1254	1042	2001	4547	17241	36369	120630	2ORDR	-3e-002	6e-005	2e-010	0.99986	0.99000	
(2)	3093	5662	12178	43727	89777	291460	2ORDR	-4e-002	2e-005	3e-011	0.99980	0.99000	
(3)	3496	6424	14099	51254	107450	357380	2ORDR	-4e-002	2e-005	2.e-011	0.99984	0.99000	
(4)	3972	7274	16152	61018	129460	449510	2ORDR	-3e-002	2e-005	1e-011	0.99984	0.99000	
(5)	3259	6129	13876	53834	115550	402710	2ORDR	-3e-002	2.e-005	1e-011	0.99986	0.99000	
Aroclor-1260	4191	7973	17250	59581	125150	418550	2ORDR	-4e-002	2e-005	1e-011	0.99983	0.99000	
(2)	4399	8574	18827	66915	142330	487130	2ORDR	-4e-002	2e-005	9e-012	0.99985	0.99000	
(3)	3217	6311	14200	50323	108600	376610	2ORDR	-4e-002	2e-005	1e-011	0.99987	0.99000	
(4)	5269	10800	24688	92997	204530	746750	2ORDR	-3e-002	1e-005	2e-012	0.99989	0.99000	
(5)	1364	2756	6428	24536	53387	190380	2ORDR	-3e-002	4e-005	5e-011	0.99988	0.99000	
Tetrachloro-m-xylene	1889	3901	9161	36917	81444	284040	2ORDR	-3e-004	6e-007	5e-013	0.99992	0.99000	
Decachlorobiphenyl	1525	3030	6722	23377	48340	160170	2ORDR	-8e-004	9e-007	2.e-012	0.99980	0.99000	

FORM VI SV

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1258

Lab File ID: 6TE1108 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0586000	1.0000000	14311.000	0.01	5.86	15.00	2RDR
(2)	1.0096000	1.0000000	20556.000	0.01	0.96	15.00	2RDR
(3)	0.9667500	1.0000000	35651.000	0.01	-3.32	15.00	2RDR
(4)	0.9604000	1.0000000	12617.000	0.01	-3.96	15.00	2RDR
(5)	1.0964000	1.0000000	14699.000	0.01	9.64	15.00	2RDR
Average %D: 1.8300							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1258

Lab File ID: 6TE2108 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0610000	1.0000000	26424.000	0.01	6.10	15.00	2RDR
(2)	1.0129000	1.0000000	49020.000	0.01	1.29	15.00	2RDR
(3)	0.9724500	1.0000000	76176.000	0.01	-2.76	15.00	2RDR
(4)	0.9739000	1.0000000	32153.000	0.01	-2.61	15.00	2RDR
(5)	0.9652500	1.0000000	31099.000	0.01	-3.48	15.00	2RDR
Average %D: -0.290							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1326

Lab File ID: 6TE1109 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0376000	1.0000000	28010.000	0.01	3.76	15.00	2RDR	
(2)	1.0262000	1.0000000	30835.000	0.01	2.62	15.00	2RDR	
(3)	0.9190100	1.0000000	30826.000	0.01	-8.10	15.00	2RDR	
(4)	1.0818000	1.0000000	23539.000	0.01	8.18	15.00	2RDR	
(5)	1.2308000	1.0000000	13383.000	0.01	23.08	15.00	2RDR	<-
Average %D: 5.9100								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1326

Lab File ID: 6TE2109 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0188000	1.0000000	56145.000	0.01	1.88	15.00	2RDR	
(2)	1.0156000	1.0000000	62938.000	0.01	1.56	15.00	2RDR	
(3)	1.1680000	1.0000000	54310.000	0.01	16.80	15.00	2RDR	<-
(4)	1.1902000	1.0000000	102340.00	0.01	19.02	15.00	2RDR	<-
(5)	1.2546000	1.0000000	28262.000	0.01	25.46	15.00	2RDR	<-
Average %D: 12.940								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 1001

Lab File ID: 6TF1035 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.9144300	1.0000000	12488.000	0.01	-8.56	15.00	2RDR
(2)	0.9533300	1.0000000	19558.000	0.01	-4.67	15.00	2RDR
(3)	0.9494200	1.0000000	35137.000	0.01	-5.06	15.00	2RDR
(4)	0.9241400	1.0000000	12185.000	0.01	-7.59	15.00	2RDR
(5)	0.9713300	1.0000000	13132.000	0.01	-2.87	15.00	2RDR
Average %D: -5.750							
Aroclor-1260	0.9998100	1.0000000	27193.000	0.01	-0.02	15.00	2RDR
(2)	1.0115000	1.0000000	30516.000	0.01	1.15	15.00	2RDR
(3)	1.0111000	1.0000000	33958.000	0.01	1.11	15.00	2RDR
(4)	0.9948400	1.0000000	21764.000	0.01	-0.52	15.00	2RDR
(5)	0.9769200	1.0000000	10758.000	0.01	-2.31	15.00	2RDR
Average %D: -0.120							
Tetrachloro-m-xylene	1.8e-002	2.e-002	721550.00	0.01	-10.00	15.00	2RDR
Decachlorobiphenyl	1.93e-002	2.e-002	557150.00	0.01	-3.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 1001

Lab File ID: 6TF2035 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8408000	1.0000000	21391.000	0.01	-15.92	15.00	2RDR	<-
(2)	0.9001900	1.0000000	44103.000	0.01	-9.98	15.00	2RDR	
(3)	0.8809100	1.0000000	69396.000	0.01	-11.91	15.00	2RDR	
(4)	0.8863200	1.0000000	29447.000	0.01	-11.37	15.00	2RDR	
(5)	0.9126800	1.0000000	29561.000	0.01	-8.73	15.00	2RDR	
Average %D: -11.58								
Aroclor-1260	0.9269400	1.0000000	51465.000	0.01	-7.31	15.00	2RDR	
(2)	0.9295900	1.0000000	57952.000	0.01	-7.04	15.00	2RDR	
(3)	0.9271800	1.0000000	43738.000	0.01	-7.28	15.00	2RDR	
(4)	0.9379800	1.0000000	81482.000	0.01	-6.20	15.00	2RDR	
(5)	0.9734000	1.0000000	22192.000	0.01	-2.66	15.00	2RDR	
Average %D: -6.100								
Tetrachloro-m-xylene	1.68e-002	2.e-002	1465000.0	0.01	-16.00	15.00	2RDR	<-
Decachlorobiphenyl	1.96e-002	2.e-002	1051100.0	0.01	-2.00	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 2135

Lab File ID: 6TF1057 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.9323800	1.0000000	12716.000	0.01	-6.76	15.00	2RDR
(2)	0.9921800	1.0000000	20282.000	0.01	-0.78	15.00	2RDR
(3)	0.9632900	1.0000000	35628.000	0.01	-3.67	15.00	2RDR
(4)	0.9563500	1.0000000	12600.000	0.01	-4.36	15.00	2RDR
(5)	1.0226000	1.0000000	13793.000	0.01	2.26	15.00	2RDR
Average %D: -2.660							
Aroclor-1260	1.0745000	1.0000000	29079.000	0.01	7.45	15.00	2RDR
(2)	1.0691000	1.0000000	32149.000	0.01	6.91	15.00	2RDR
(3)	1.0598000	1.0000000	35526.000	0.01	5.98	15.00	2RDR
(4)	1.0547000	1.0000000	23038.000	0.01	5.47	15.00	2RDR
(5)	1.0576000	1.0000000	11621.000	0.01	5.76	15.00	2RDR
Average %D: 6.3100							
Tetrachloro-m-xylene	1.92e-002	2.e-002	769250.00	0.01	-4.00	15.00	2RDR
Decachlorobiphenyl	2.19e-002	2.e-002	626650.00	0.01	9.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 2135

Lab File ID: 6TF2057 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8760300	1.0000000	22203.000	0.01	-12.40	15.00	2RDR
(2)	0.9524800	1.0000000	46388.000	0.01	-4.75	15.00	2RDR
(3)	0.8994300	1.0000000	70767.000	0.01	-10.06	15.00	2RDR
(4)	0.9296100	1.0000000	30783.000	0.01	-7.04	15.00	2RDR
(5)	0.9849300	1.0000000	31664.000	0.01	-1.51	15.00	2RDR
Average %D: -7.150							
Aroclor-1260	0.9896000	1.0000000	54658.000	0.01	-1.04	15.00	2RDR
(2)	0.9767500	1.0000000	60684.000	0.01	-2.32	15.00	2RDR
(3)	1.0110000	1.0000000	47433.000	0.01	1.10	15.00	2RDR
(4)	1.0101000	1.0000000	87457.000	0.01	1.01	15.00	2RDR
(5)	1.0894000	1.0000000	24705.000	0.01	8.94	15.00	2RDR
Average %D: 1.5400							
Tetrachloro-m-xylene	1.81e-002	2.e-002	1571700.0	0.01	-9.50	15.00	2RDR
Decachlorobiphenyl	2.25e-002	2.e-002	1196000.0	0.01	12.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 06/11/03 Time: 1000

Lab File ID: 6TF1077 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.9253700	1.0000000	12627.000	0.01	-7.46	15.00	2RDR
(2)	0.9698900	1.0000000	19867.000	0.01	-3.01	15.00	2RDR
(3)	0.9482100	1.0000000	35094.000	0.01	-5.18	15.00	2RDR
(4)	0.9323600	1.0000000	12291.000	0.01	-6.76	15.00	2RDR
(5)	0.9844100	1.0000000	13301.000	0.01	-1.56	15.00	2RDR
Average %D: -4.800							
Aroclor-1260	1.0115000	1.0000000	27488.000	0.01	1.15	15.00	2RDR
(2)	1.0202000	1.0000000	30762.000	0.01	2.02	15.00	2RDR
(3)	1.0200000	1.0000000	34244.000	0.01	2.00	15.00	2RDR
(4)	1.0065000	1.0000000	22012.000	0.01	0.65	15.00	2RDR
(5)	0.9988700	1.0000000	10993.000	0.01	-0.11	15.00	2RDR
Average %D: 1.1400							
Tetrachloro-m-xylene	1.83e-002	2.e-002	733300.00	0.01	-8.50	15.00	2RDR
Decachlorobiphenyl	1.99e-002	2.e-002	571000.00	0.01	-0.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 06/11/03 Time: 1000

Lab File ID: 6TF2077 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8615200	1.0000000	21869.000	0.01	-13.85	15.00	2RDR
(2)	0.9162400	1.0000000	44806.000	0.01	-8.38	15.00	2RDR
(3)	0.8874300	1.0000000	69879.000	0.01	-11.26	15.00	2RDR
(4)	0.9060100	1.0000000	30055.000	0.01	-9.40	15.00	2RDR
(5)	0.9351600	1.0000000	30217.000	0.01	-6.48	15.00	2RDR
Average %D: -9.870							
Aroclor-1260	0.9386300	1.0000000	52062.000	0.01	-6.14	15.00	2RDR
(2)	0.9391100	1.0000000	58504.000	0.01	-6.09	15.00	2RDR
(3)	0.9391300	1.0000000	44266.000	0.01	-6.09	15.00	2RDR
(4)	0.9464700	1.0000000	82187.000	0.01	-5.35	15.00	2RDR
(5)	0.9807700	1.0000000	22352.000	0.01	-1.92	15.00	2RDR
Average %D: -5.120							
Tetrachloro-m-xylene	1.75e-002	2.e-002	1522000.0	0.01	-12.50	15.00	2RDR
Decachlorobiphenyl	1.99e-002	2.e-002	1068100.0	0.01	-0.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 06/11/03 Time: 1350

Lab File ID: 6TF1085 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.9150600	1.0000000	12496.000	0.01	-8.49	15.00	2RDR
(2)	0.9692500	1.0000000	19855.000	0.01	-3.08	15.00	2RDR
(3)	0.9416600	1.0000000	34862.000	0.01	-5.83	15.00	2RDR
(4)	0.9354700	1.0000000	12331.000	0.01	-6.45	15.00	2RDR
(5)	1.0039000	1.0000000	13553.000	0.01	0.39	15.00	2RDR
Average %D: -4.690							
Aroclor-1260	1.0461000	1.0000000	28362.000	0.01	4.61	15.00	2RDR
(2)	1.0445000	1.0000000	31452.000	0.01	4.45	15.00	2RDR
(3)	1.0360000	1.0000000	34761.000	0.01	3.60	15.00	2RDR
(4)	1.0343000	1.0000000	22604.000	0.01	3.43	15.00	2RDR
(5)	1.0319000	1.0000000	11346.000	0.01	3.19	15.00	2RDR
Average %D: 3.8600							
Tetrachloro-m-xylene	1.88e-002	2.e-002	753050.00	0.01	-6.00	15.00	2RDR
Decachlorobiphenyl	2.11e-002	2.e-002	604400.00	0.01	5.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GC06 Calibration Date: 06/11/03 Time: 1350

Lab File ID: 6TF2085 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8645200	1.0000000	21938.000	0.01	-13.55	15.00	2RDR
(2)	0.9335600	1.0000000	45563.000	0.01	-6.64	15.00	2RDR
(3)	0.8841800	1.0000000	69638.000	0.01	-11.58	15.00	2RDR
(4)	0.9136900	1.0000000	30292.000	0.01	-8.63	15.00	2RDR
(5)	0.9676400	1.0000000	31162.000	0.01	-3.24	15.00	2RDR
Average %D: -8.730							
Aroclor-1260	0.9702600	1.0000000	53674.000	0.01	-2.97	15.00	2RDR
(2)	0.9584200	1.0000000	59623.000	0.01	-4.16	15.00	2RDR
(3)	0.9819900	1.0000000	46156.000	0.01	-1.80	15.00	2RDR
(4)	0.9816700	1.0000000	85105.000	0.01	-1.83	15.00	2RDR
(5)	1.0614000	1.0000000	24099.000	0.01	6.14	15.00	2RDR
Average %D: -0.930							
Tetrachloro-m-xylene	1.78e-002	2.e-002	1552100.0	0.01	-11.00	15.00	2RDR
Decachlorobiphenyl	2.18e-002	2.e-002	1162000.0	0.01	9.00	15.00	2RDR

FORM VII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

GC Column: ZB-5 ID: 0.53 (mm) Init. Calib. Date(s): 05/10/03 05/10/03

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.47 DCB: 19.79

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	05/10/03	1007	6.47	19.79
02	ICAL	AR1660 0.05P	05/10/03	1036	6.47	19.79
03	ICAL	AR1660 0.1PP	05/10/03	1104	6.47	19.79
04	ICAL	AR1660 0.25P	05/10/03	1132	6.47	19.79
05	ICAL	AR1660 2.5PP	05/10/03	1201	6.47	19.79
06	ICAL	AR1660 10PPM	05/10/03	1229	6.47	19.79
07	IND SOURCE	AR1016 1.0PP	05/10/03	1258		
08	IND SOURCE	AR1260 1.0PP	05/10/03	1326		
09	ICAL	AR1242 1.0PP	05/10/03	1355		
10	ICAL	AR1248 1.0PP	05/10/03	1645		
11	ICAL	AR1254 1.0PP	05/10/03	1936		
12	AR1254 TYPE	AR1254 TYPE	05/10/03	2226		
13	ICAL	AR1221 1.0PP	05/10/03	2254		
14	ICAL	AR1232 1.0PP	05/10/03	2323		
15	CV	AR1660 1.0PP	06/07/03	1001	6.46	19.77
16	WG2335-BLANK	WG2335-1	06/07/03	1304	6.48	19.78
17	WG2335-LCS	WG2335-2	06/07/03	1333	6.46	19.77
18	03RL051403	WT1127-12	06/07/03	1429	6.45	19.76
19	CV	AR1660 1.0PP	06/07/03	2135	6.45	19.76
20	CV	AR1660 1.0PP	06/11/03	1000	6.46	19.77

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: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

GC Column: ZB-5 ID: 0.53 (mm) Init. Calib. Date(s): 05/10/03 05/10/03

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.47 DCB: 19.79

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	SCWG2335-BLA	WG2335-1	06/11/03	1028	6.45	19.76
02	SCWG2335-LCS	WG2335-2	06/11/03	1059	6.46	19.76
03	03GLM0402	WT1127-14	06/11/03	1128	6.45	19.76
04	CV	AR1660 1.0PP	06/11/03	1350	6.45	19.76
05						
06						
07						
08						
09						
10						
11						
12						
13						
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 VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

GC Column: ZB-35 ID: 0.53 (mm) Init. Calib. Date(s): 05/10/03 05/10/03

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.09 DCB: 17.01

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	05/10/03	1007	4.07	17.01
02	ICAL	AR1660 0.05P	05/10/03	1036	4.08	17.02
03	ICAL	AR1660 0.1PP	05/10/03	1104	4.07	17.02
04	ICAL	AR1660 0.25P	05/10/03	1132	4.07	17.02
05	ICAL	AR1660 2.5PP	05/10/03	1201	4.07	17.01
06	ICAL	AR1660 10PPM	05/10/03	1229	4.07	17.01
07	IND SOURCE	AR1016 1.0PP	05/10/03	1258		
08	IND SOURCE	AR1260 1.0PP	05/10/03	1326		
09	ICAL	AR1242 1.0PP	05/10/03	1355		
10	ICAL	AR1248 1.0PP	05/10/03	1645		
11	ICAL	AR1254 1.0PP	05/10/03	1936		
12	AR1254 TYPE	AR1254 TYPE	05/10/03	2226		
13	ICAL	AR1221 1.0PP	05/10/03	2254		
14	ICAL	AR1232 1.0PP	05/10/03	2323		
15	CV	AR1660 1.0PP	06/07/03	1001	4.07	16.97
16	WG2335-BLANK	WG2335-1	06/07/03	1304	4.07	16.97
17	WG2335-LCS	WG2335-2	06/07/03	1333	4.07	16.97
18	03RL051403	WT1127-12	06/07/03	1429	4.07	16.97
19	CV	AR1660 1.0PP	06/07/03	2135	4.07	16.96
20	CV	AR1660 1.0PP	06/11/03	1000	4.07	16.97

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: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

GC Column: ZB-35 ID: 0.53 (mm) Init. Calib. Date(s): 05/10/03 05/10/03

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.09 DCB: 17.01

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	SCWG2335-BLA	WG2335-1	06/11/03	1028	4.07	16.96
02	SCWG2335-LCS	WG2335-2	06/11/03	1059	4.06	16.96
03	03GLM0402	WT1127-14	06/11/03	1128	4.07	16.96
04	CV	AR1660 1.0PP	06/11/03	1350	4.07	16.96
05						
06						
07						
08						
09						
10						
11						
12						
13						
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 VIII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/19/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2323-1B
Client ID: WG2323-Blank
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		66%				
81103-79-9	Fluorene-d10		146%				
1718-52-1	Pyrene-d10		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/12/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2354-1B
Client ID: WG2354-Blank
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		51%				
81103-79-9	Fluorene-d10		85%				
1718-52-1	Pyrene-d10		76%				

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	10GLM01R01	WT1127-2	86	51	91						0
02	10GLM01R01D	WT1127-4	80	99	69						0
03	WG2354-BLANK	WG2354-1B	51	85	76						0
04	09GLM04S02	WT1109-12	72	78	65						0
05	09GLM09S02	WT1109-13	52	94	86						0
06	09GLM03S02	WT1109-14	47	85	83						0
07	09RB051303	WT1109-16	56	106	81						0
08	09GLM03I02	WT1109-15	122	100	78						0
09	WG2354-LCSD	WG2354-5	40	92	102						0
10	10GLM0901	WT1127-7	53	95	74						0
11	03GLM0402	WT1127-15	46	92	60						0
12	09GLM08S02	WT1109-17	70	107	80						0
13	09GLM08S02D	WT1109-18	48	74	79						0
14	09GLM02S02	WT1109-19	48	90	82						0
15	WG2354-LCS	WG2354-4	61	150	95						0
16	WG2323-BLANK	WG2323-1B	66	146	83						0
17	WG2323-LCS	WG2323-4	57	126	79						0
18	WG2323-LCSD	WG2323-5	65	125	90						0
19	09GLM08S02	WT1109-17DL	D	D	D						0
20	09GLM08S02D	WT1109-18DL	0*	0*	0*						3
21	09GLM02S02	WT1109-19RA	62	137	96						0
22	09GLM06S02	WT1109-20RA	94	125	97						0
23	09GLM01S02	WT1109-21RA	89	89	90						0
24	10GLM0701	WT1127-9RA	46	78	82						0
25	10GLM0601	WT1127-11RA	46	73	72						0
26	03RL051403	WT1127-13RA	54	112	77						0
27	10GLM01R01	WT1127-2DL	D	D	D						0
28	10GLM01R01D	WT1127-4DL	D	D	D						0

		QC LIMITS
S1	= 2-Methylnaphthalene-d1	(30-150)
S2	= Fluorene-d10	(30-150)
S3	= Pyrene-d10	(30-150)

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: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/19/03
Analysis Date: 06/11/03
Report Date: 06/12/2003
Matrix: WATER

Lab ID: WG2323-4 & WG2323-5
Client ID: WG2323-LCS & WG2323-LCSD
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2323
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Naphthalene	2.0	2.0	NA	0.78	0.86	39	43	10	30	30-150
2-Methylnaphthalene	2.0	2.0	NA	1.4	1.8	72	89	22	30	30-150
Acenaphthylene	2.0	2.0	NA	1.9	2.2	95	108	12	30	30-150
Acenaphthene	2.0	2.0	NA	1.7	1.8	83	92	11	30	30-150
Fluorene	2.0	2.0	NA	1.9	2.0	97	101	4	30	30-150
Phenanthrene	2.0	2.0	NA	1.4	1.3	70	64	10	30	30-150
Anthracene	2.0	2.0	NA	1.4	1.3	68	64	7	30	30-150
Fluoranthene	2.0	2.0	NA	1.6	1.4	82	70	16	30	30-150
Pyrene	2.0	2.0	NA	1.2	1.5	58	73	23	30	30-150
Benzo(a)anthracene	2.0	2.0	NA	1.9	2.0	94	98	4	30	30-150
Chrysene	2.0	2.0	NA	1.6	1.9	78	96	21	30	30-150
Benzo(b)fluoranthene	2.0	2.0	NA	1.2	1.5	62	76	21	30	30-150
Benzo(k)fluoranthene	2.0	2.0	NA	1.2	1.6	62	81	26	30	30-150
Benzo(a)pyrene	2.0	2.0	NA	1.2	1.6	62	78	23	30	30-150
Indeno(1,2,3-cd)pyrene	2.0	2.0	NA	1.2	1.4	58	72	22	30	30-150
Dibenzo(a,h)anthracene	2.0	2.0	NA	1.1	1.3	56	65	15	30	30-150
Benzo(g,h,i)perylene	2.0	2.0	NA	1.1	1.3	54	65	18	30	30-150

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/12/2003
Matrix: WATER

Lab ID: WG2354-4 & WG2354-5
Client ID: WG2354-LCS & WG2354-LCSD
SDG: CTO287-1
Extracted by: RH
Extraction Method: SW846 3550
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Naphthalene	2.0	2.0	NA	0.89	0.47	44	* 23	*	62	30	30-150
2-Methylnaphthalene	2.0	2.0	NA	1.7	1.5	85	75		12	30	30-150
Acenaphthylene	2.0	2.0	NA	2.3	0.96	114	48	*	81	30	30-150
Acenaphthene	2.0	2.0	NA	2.0	1.0	100	52	*	64	30	30-150
Fluorene	2.0	2.0	NA	2.5	1.4	125	71	*	55	30	30-150
Phenanthrene	2.0	2.0	NA	1.6	1.7	81	87		7	30	30-150
Anthracene	2.0	2.0	NA	1.5	1.3	75	67		11	30	30-150
Fluoranthene	2.0	2.0	NA	1.8	1.5	90	76		17	30	30-150
Pyrene	2.0	2.0	NA	1.5	1.7	73	86		16	30	30-150
Benzo(a)anthracene	2.0	2.0	NA	2.0	1.9	98	96		2	30	30-150
Chrysene	2.0	2.0	NA	1.6	1.5	82	76		8	30	30-150
Benzo(b)fluoranthene	2.0	2.0	NA	1.8	1.8	88	90		2	30	30-150
Benzo(k)fluoranthene	2.0	2.0	NA	1.8	1.7	92	86		6	30	30-150
Benzo(a)pyrene	2.0	2.0	NA	1.8	1.6	92	80		14	30	30-150
Indeno(1,2,3-cd)pyrene	2.0	2.0	NA	1.4	1.7	72	84		17	30	30-150
Dibenzo(a,h)anthracene	2.0	2.0	NA	1.3	1.7	65	83		24	30	30-150
Benzo(g,h,i)perylene	2.0	2.0	NA	1.4	1.6	68	78		14	30	30-150

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2323-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: X3005 Lab Sample ID: WG2323-1B

Instrument ID: GCMS-X Date Extracted: 05/19/03

Matrix: (soil/water) WATER Date Analyzed: 06/11/03

Level:(low/med) LOW Time Analyzed: 1630

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	09GLM04S02	WT1109-12	X2977	06/09/03	1810
02	09GLM09S02	WT1109-13	X2978	06/09/03	1852
03	09GLM03S02	WT1109-14	X2979	06/09/03	1935
04	09RB051303	WT1109-16	X2980	06/09/03	2018
05	09GLM03I02	WT1109-15	X2981	06/09/03	2100
06	09GLM08S02	WT1109-17	X2996	06/10/03	2305
07	09GLM08S02D	WT1109-18	X2997	06/10/03	2348
08	09GLM02S02	WT1109-19	X2998	06/11/03	0031
09	WG2323-LCS	WG2323-4	X3006	06/11/03	1713
10	WG2323-LCSD	WG2323-5	X3007	06/11/03	1756
11	09GLM08S02	WT1109-17DL	X3008	06/11/03	1838
12	09GLM08S02D	WT1109-18DL	X3009	06/11/03	1921
13	09GLM02S02	WT1109-19RA	X3010	06/11/03	2004
14	09GLM06S02	WT1109-20RA	X3011	06/11/03	2047
15	09GLM01S02	WT1109-21RA	X3012	06/11/03	2130
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV SV

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2354-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: X2975 Lab Sample ID: WG2354-1B

Instrument ID: GCMS-X Date Extracted: 05/21/03

Matrix: (soil/water) WATER Date Analyzed: 06/09/03

Level:(low/med) LOW Time Analyzed: 1644

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	10GLM01R01	WT1127-2	X2971	06/07/03	0323
02	10GLM01R01D	WT1127-4	X2972	06/07/03	0406
03	WG2354-LCSD	WG2354-5	X2990	06/10/03	1849
04	10GLM0901	WT1127-7	X2991	06/10/03	1932
05	03GLM0402	WT1127-15	X2995	06/10/03	2222
06	WG2354-LCS	WG2354-4	X3003	06/11/03	1504
07	10GLM0701	WT1127-9RA	X3013	06/11/03	2212
08	10GLM0601	WT1127-11RA	X3014	06/11/03	2254
09	03RL051403	WT1127-13RA	X3015	06/11/03	2337
10	10GLM01R01	WT1127-2DL	X3016	06/12/03	0020
11	10GLM01R01D	WT1127-4DL	X3017	06/12/03	0103
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
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26					
27					
28					
29					
30					

COMMENTS:

FORM IV SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: XD968 DFTPP Injection Date: 06/06/03

Instrument ID: GCMS-X DFTPP Injection Time: 1620

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	67.1
70	Less than 2.0% of mass 69	0.7 (1.1)1
127	40.0 - 60.0% of mass 198	49.4
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	7.5
275	10.0 - 30.0% of mass 198	22.5
365	1.0 - 100.0% of mass 198	3.2
441	0.0 - 100.0% of mass 443	8.9 (94.1)2
442	40.0 - 100.0% of mass 198	51.5
443	17.0 - 23.0% of mass 442	9.5 (18.4)3

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

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.25X0606	X2956	06/06/03	1640
02		SSTD3.00X0606	X2957	06/06/03	1723
03		SSTD0.125X0606	X2958	06/06/03	1807
04		SSTD2.50X0606	X2959	06/06/03	1850
05		SSTD0.625X0606	X2960	06/06/03	1933
06		SSTD2.00X0606	X2961	06/06/03	2016
07	10GLM01R01	WT1127-2	X2971	06/07/03	0323
08	10GLM01R01D	WT1127-4	X2972	06/07/03	0406
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: XD969 DFTPP Injection Date: 06/09/03

Instrument ID: GCMS-X DFTPP Injection Time: 1454

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	56.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	69.5
70	Less than 2.0% of mass 69	0.4 (0.5)1
127	40.0 - 60.0% of mass 198	53.7
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	6.7
275	10.0 - 30.0% of mass 198	21.8
365	1.0 - 100.0% of mass 198	3.4
441	0.0 - 100.0% of mass 443	7.7 (92.8)2
442	40.0 - 100.0% of mass 198	43.9
443	17.0 - 23.0% of mass 442	8.3 (19.0)3

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

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.25X0609	X2974	06/09/03	1600
02	WG2354-BLANK	WG2354-1B	X2975	06/09/03	1644
03	09GLM04S02	WT1109-12	X2977	06/09/03	1810
04	09GLM09S02	WT1109-13	X2978	06/09/03	1852
05	09GLM03S02	WT1109-14	X2979	06/09/03	1935
06	09RB051303	WT1109-16	X2980	06/09/03	2018
07	09GLM03I02	WT1109-15	X2981	06/09/03	2100
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: XD970 DFTPP Injection Date: 06/10/03

Instrument ID: GCMS-X DFTPP Injection Time: 1452

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	67.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.8
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	7.3
275	10.0 - 30.0% of mass 198	21.5
365	1.0 - 100.0% of mass 198	2.7
441	0.0 - 100.0% of mass 443	7.9 (90.3)2
442	40.0 - 100.0% of mass 198	49.3
443	17.0 - 23.0% of mass 442	8.8 (17.8)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		SSTD1.25X0610	X2985	06/10/03	1513
02	WG2354-LCSD	WG2354-5	X2990	06/10/03	1849
03	10GLM0901	WT1127-7	X2991	06/10/03	1932
04	03GLM0402	WT1127-15	X2995	06/10/03	2222
05	09GLM08S02	WT1109-17	X2996	06/10/03	2305
06	09GLM08S02D	WT1109-18	X2997	06/10/03	2348
07	09GLM02S02	WT1109-19	X2998	06/11/03	0031
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID: XD971 DFTPP Injection Date: 06/11/03

Instrument ID: GCMS-X DFTPP Injection Time: 1355

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	69.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.2
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	7.4
275	10.0 - 30.0% of mass 198	20.6
365	1.0 - 100.0% of mass 198	3.6
441	0.0 - 100.0% of mass 443	10.5 (89.9)2
442	40.0 - 100.0% of mass 198	56.1
443	17.0 - 23.0% of mass 442	11.7 (20.9)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	WG2354-LCS	WG2354-4	X3003	06/11/03	1504
02	WG2323-BLANK	WG2323-1B	X3005	06/11/03	1630
03	WG2323-LCS	WG2323-4	X3006	06/11/03	1713
04	WG2323-LCSD	WG2323-5	X3007	06/11/03	1756
05	09GLM08S02	WT1109-17DL✓	X3008	06/11/03	1838
06	09GLM08S02D	WT1109-18DL✓	X3009	06/11/03	1921
07	09GLM02S02	WT1109-19RA✓	X3010	06/11/03	2004
08	09GLM06S02	WT1109-20RA✓	X3011	06/11/03	2047
09	09GLM01S02	WT1109-21RA✓	X3012	06/11/03	2130
10	10GLM0701	WT1127-9RA✓	X3013	06/11/03	2212
11	10GLM0601	WT1127-11RA✓	X3014	06/11/03	2254
12	03RL051403	WT1127-13RA✓	X3015	06/11/03	2337
13	10GLM01R01	WT1127-2DL✓	X3016	06/12/03	0020
14	10GLM01R01D	WT1127-4DL✓	X3017	06/12/03	0103
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-X Calibration Date(s): 06/06/03 06/06/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1640 2016

LAB FILE ID: RF0.125: X2958 RF0.625: X2960 RF1.25: X2956
RF2: X2961 RF2.5: X2959 RF3: X2957

COMPOUND	RF0.125	RF0.625	RF1.25	RF2	RF2.5	RF3	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	0.887	1.088	1.060	1.197	0.994	1.244	AVRG		1.07838		12.153	15.000
2-Methylnaphthalene	0.596	0.497	0.567	0.597	0.532	0.661	AVRG		0.57512		9.945	15.000
Acenaphthylene	1.131	1.432	1.242	1.203	1.332	1.348	AVRG		1.28130		8.534	15.000
Acenaphthene	0.684	0.760	0.690	0.825	0.717	0.738	AVRG		0.73585		7.145	30.000
Fluorene	0.655	0.767	0.866	0.755	0.869	0.858	AVRG		0.79522		10.738	15.000
Phenanthrene	0.917	1.005	0.927	1.134	1.245	1.083	AVRG		1.05170		12.112	15.000
Anthracene	1.093	1.325	0.880	1.173	1.204	1.092	AVRG		1.12791		13.178	15.000
Fluoranthene	1.012	1.016	0.812	0.979	1.097	0.925	AVRG		0.97357		9.952	30.000
Pyrene	1.250	1.429	1.253	1.560	1.526	1.591	AVRG		1.43471		10.595	15.000
Benzo(a)anthracene	1246	4619	25752	21327	28304	35394	2ORDR	5e-002	1.21687	-9e-002	0.99256	0.99000
Chrysene	1.307	1.375	1.237	1.365	1.332	1.706	AVRG		1.38696		11.813	15.000
Benzo(b)fluoranthene	1.288	1.283	1.382	1.585	1.656	1.825	AVRG		1.50331		14.683	15.000
Benzo(k)fluoranthene	1.859	2.066	1.696	2.078	2.167	2.174	AVRG		2.00688		9.471	15.000
Benzo(a)pyrene	1.308	1.430	1.222	1.366	1.481	1.597	AVRG		1.40081		9.460	30.000
Indeno(1,2,3-cd)pyrene	0.810	0.787	0.866	0.918	1.010	1.139	AVRG		0.92161		14.464	15.000
Dibenzo(a,h)anthracene	0.978	0.984	0.907	1.052	1.112	1.195	AVRG		1.03808		9.998	15.000
Benzo(g,h,i)perylene	1.284	1.302	1.159	1.464	1.494	1.544	AVRG		1.37460		10.844	15.000
1-Methylnaphthalene	0.922	0.845	0.970	0.936	0.855	1.046	AVRG		0.92893		8.055	15.000
2-Methylnaphthalene-d10	0.465	0.538	0.607	0.556	0.517	0.593	AVRG		0.54591		9.481	35.000
Fluorene-d10	0.598	0.653	0.689	0.639	0.689	0.727	AVRG		0.66577		6.783	35.000
Pyrene-d10	0.890	1.148	0.914	1.182	1.024	1.109	AVRG		1.04449		11.705	35.000

Average %RSD test result.

Calculate Average %RSD: 12.28143787
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-X Calibration Date: 06/06/03 Time: 1640

Lab File ID: X2956 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	1.0600000	1.0600000	0.01	-1.67		AVRG
2-Methylnaphthalene	0.5750000	0.5674000	0.5674000	0.01	-1.32		AVRG
Acenaphthylene	1.2810000	1.2420000	1.2420000	0.01	-3.04		AVRG
Acenaphthene	0.7360000	0.6895000	0.6895000	0.01	-6.32	20.00	AVRG
Fluorene	0.7950000	0.8662000	0.8662000	0.01	8.96		AVRG
Phenanthrene	1.0520000	0.9266000	0.9266000	0.01	-11.92		AVRG
Anthracene	1.1280000	0.8802000	0.8802000	0.01	-21.97		AVRG
Fluoranthene	0.9740000	0.8125000	0.8125000	0.01	-16.58	20.00	AVRG
Pyrene	1.4350000	1.2530000	1.2530000	0.01	-12.68		AVRG
Benzo(a)anthracene	1.3153000	1.2500000	1.0290000	0.01	5.22		2RDR
Chrysene	1.3870000	1.2370000	1.2370000	0.01	-10.82		AVRG
Benzo(b)fluoranthene	1.5030000	1.3820000	1.3820000	0.01	-8.05		AVRG
Benzo(k)fluoranthene	2.0070000	1.6960000	1.6960000	0.01	-15.50		AVRG
Benzo(a)pyrene	1.4010000	1.2220000	1.2220000	0.01	-12.78	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.8656000	0.8656000	0.01	-6.12		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.9073000	0.9073000	0.01	-12.59		AVRG
Benzo(g,h,i)perylene	1.3740000	1.1590000	1.1590000	0.01	-15.65		AVRG
1-Methylnaphthalene	0.9290000	0.9703000	0.9703000	0.01	4.44		AVRG
2-Methylnaphthalene-d10	0.5460000	0.6067100	0.6067100	0.01	11.12		AVRG
Fluorene-d10	0.6660000	0.6886200	0.6886200	0.01	3.40		AVRG
Pyrene-d10	1.0440000	0.9143500	0.9143500	0.01	-12.42		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-X Calibration Date: 06/09/03 Time: 1600

Lab File ID: X2974 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.8559900	0.8559900	0.01	-20.60		AVRG
2-Methylnaphthalene	0.5750000	0.4381600	0.4381600	0.01	-23.80		AVRG
Acenaphthylene	1.2810000	1.6814000	1.6814000	0.01	31.26		AVRG
Acenaphthene	0.7360000	0.8569300	0.8569300	0.01	16.43	20.00	AVRG
Fluorene	0.7950000	0.9649600	0.9649600	0.01	21.38		AVRG
Phenanthrene	1.0520000	0.8984800	0.8984800	0.01	-14.59		AVRG
Anthracene	1.1280000	0.9382600	0.9382600	0.01	-16.82		AVRG
Fluoranthene	0.9740000	0.8752500	0.8752500	0.01	-10.14	20.00	AVRG
Pyrene	1.4350000	1.2948000	1.2948000	0.01	-9.77		AVRG
Benzo(a)anthracene	1.1128000	1.2500000	0.7740500	0.01	-10.98		2RDR
Chrysene	1.3870000	1.4893000	1.4893000	0.01	7.38		AVRG
Benzo(b)fluoranthene	1.5030000	1.3565000	1.3565000	0.01	-9.75		AVRG
Benzo(k)fluoranthene	2.0070000	2.2195000	2.2195000	0.01	10.59		AVRG
Benzo(a)pyrene	1.4010000	1.4637000	1.4637000	0.01	4.48	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.9940500	0.9940500	0.01	7.81		AVRG
Dibenzo(a,h)anthracene	1.0380000	1.1557000	1.1557000	0.01	11.34		AVRG
Benzo(g,h,i)perylene	1.3740000	1.4961000	1.4961000	0.01	8.89		AVRG
1-Methylnaphthalene	0.9290000	0.7466700	0.7466700	0.01	-19.63		AVRG
2-Methylnaphthalene-d10	0.5460000	0.4985800	0.4985800	0.01	-8.68		AVRG
Fluorene-d10	0.6660000	0.7805800	0.7805800	0.01	17.20		AVRG
Pyrene-d10	1.0440000	1.0368000	1.0368000	0.01	-0.69		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-X Calibration Date: 06/10/03 Time: 1513

Lab File ID: X2985 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.7722100	0.7722100	0.01	-28.37		AVRG
2-Methylnaphthalene	0.5750000	0.4290700	0.4290700	0.01	-25.38		AVRG
Acenaphthylene	1.2810000	1.1856000	1.1856000	0.01	-7.45		AVRG
Acenaphthene	0.7360000	0.6753600	0.6753600	0.01	-8.24	20.00	AVRG
Fluorene	0.7950000	0.8321500	0.8321500	0.01	4.67		AVRG
Phenanthrene	1.0520000	0.9360600	0.9360600	0.01	-11.02		AVRG
Anthracene	1.1280000	0.9171500	0.9171500	0.01	-18.69		AVRG
Fluoranthene	0.9740000	0.9405700	0.9405700	0.01	-3.43	20.00	AVRG
Pyrene	1.4350000	1.0795000	1.0795000	0.01	-24.77		AVRG
Benzo(a)anthracene	1.1729000	1.2500000	0.8223200	0.01	-6.17		2RDR
Chrysene	1.3870000	1.2205000	1.2205000	0.01	-12.00		AVRG
Benzo(b)fluoranthene	1.5030000	1.2766000	1.2766000	0.01	-15.06		AVRG
Benzo(k)fluoranthene	2.0070000	1.7718000	1.7718000	0.01	-11.72		AVRG
Benzo(a)pyrene	1.4010000	1.1884000	1.1884000	0.01	-15.18	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.7904500	0.7904500	0.01	-14.27		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.8696500	0.8696500	0.01	-16.22		AVRG
Benzo(g,h,i)perylene	1.3740000	1.1831000	1.1831000	0.01	-13.89		AVRG
1-Methylnaphthalene	0.9290000	0.7593400	0.7593400	0.01	-18.26		AVRG
2-Methylnaphthalene-d10	0.5460000	0.6767900	0.6767900	0.01	23.95		AVRG
Fluorene-d10	0.6660000	0.6943300	0.6943300	0.01	4.25		AVRG
Pyrene-d10	1.0440000	0.9248400	0.9248400	0.01	-11.41		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Instrument ID: GCMS-X Calibration Date: 06/11/03 Time: 1416

Lab File ID: X3002 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.7872900	0.7872900	0.01	-26.97		AVRG
2-Methylnaphthalene	0.5750000	0.4252000	0.4252000	0.01	-26.05		AVRG
Acenaphthylene	1.2810000	1.3343000	1.3343000	0.01	4.16		AVRG
Acenaphthene	0.7360000	0.6711100	0.6711100	0.01	-8.82	20.00	AVRG
Fluorene	0.7950000	0.7932600	0.7932600	0.01	-0.22		AVRG
Phenanthrene	1.0520000	0.7970300	0.7970300	0.01	-24.24		AVRG
Anthracene	1.1280000	0.8777800	0.8777800	0.01	-22.18		AVRG
Fluoranthene	0.9740000	0.8225200	0.8225200	0.01	-15.55	20.00	AVRG
Pyrene	1.4350000	1.2917000	1.2917000	0.01	-9.99		AVRG
Benzo(a)anthracene	1.5248000	1.2500000	1.1190000	0.01	21.98		2RDR
Chrysene	1.3870000	1.4064000	1.4064000	0.01	1.40		AVRG
Benzo(b)fluoranthene	1.5030000	1.2519000	1.2519000	0.01	-16.71		AVRG
Benzo(k)fluoranthene	2.0070000	1.8624000	1.8624000	0.01	-7.20		AVRG
Benzo(a)pyrene	1.4010000	1.3035000	1.3035000	0.01	-6.96	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.6254500	0.6254500	0.01	-32.16		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.6319000	0.6319000	0.01	-39.12		AVRG
Benzo(g,h,i)perylene	1.3740000	0.9610400	0.9610400	0.01	-30.06		AVRG
1-Methylnaphthalene	0.9290000	0.7179100	0.7179100	0.01	-22.72		AVRG
2-Methylnaphthalene-d10	0.5460000	0.4692800	0.4692800	0.01	-14.05		AVRG
Fluorene-d10	0.6660000	0.6674000	0.6674000	0.01	0.21		AVRG
Pyrene-d10	1.0440000	1.0066000	1.0066000	0.01	-3.58		AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): X2956 Date Analyzed: 06/06/03

Instrument ID: GCMS-X Time Analyzed: 1640

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD		6471	7.46	34530	10.29	20099	14.37
UPPER LIMIT		12942	7.96	69060	10.79	40198	14.87
LOWER LIMIT		3236	6.96	17265	9.79	10050	13.87
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 10GLM01R01	WT1127-2	5476	7.45	15721*	10.29	24043	14.37
02 10GLM01R01D	WT1127-4	6149	7.45	16731*	10.29	10375	14.37
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): X2956 Date Analyzed: 06/06/03

Instrument ID: GCMS-X Time Analyzed: 1640

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		24939	17.87	16019	24.13	9531	27.23
UPPER LIMIT		49878	18.37	32038	24.63	19062	27.73
LOWER LIMIT		12470	17.37	8010	23.63	4766	26.73
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	10GLM01R01	WT1127-2	7604*	17.87	6635*	24.09	5789	27.21
02	10GLM01R01D	WT1127-4	11373*	17.83	8397	24.09	4748*	27.21
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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): X2974 Date Analyzed: 06/09/03

Instrument ID: GCMS-X Time Analyzed: 1600

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	6106	7.47	32063	10.29	13152	14.40
UPPER LIMIT	12212	7.97	64126	10.79	26304	14.90
LOWER LIMIT	3053	6.97	16032	9.79	6576	13.90

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG2354-BLANK	WG2354-1B	5376	7.46	20946	10.29	9942	14.37
02	09GLM04S02	WT1109-12	5353	7.46	17056	10.29	12167	14.37
03	09GLM09S02	WT1109-13	5363	7.46	19223	10.29	9908	14.37
04	09GLM03S02	WT1109-14	5019	7.46	20527	10.29	10560	14.37
05	09RB051303	WT1109-16	6515	7.46	20348	10.29	8583	14.37
06	09GLM03I02	WT1109-15	4968	7.46	18987	10.29	16656	14.40
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): X2974 Date Analyzed: 06/09/03

Instrument ID: GCMS-X Time Analyzed: 1600

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		15703	17.87	9009	24.13	4774	27.23
UPPER LIMIT		31406	18.37	18018	24.63	9548	27.73
LOWER LIMIT		7852	17.37	4505	23.63	2387	26.73
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2354-BLANK	WG2354-1B	11832	17.87	6978	24.13	3297	27.23
02 09GLM04S02	WT1109-12	8625	17.87	6989	24.13	3496	27.23
03 09GLM09S02	WT1109-13	11853	17.87	6244	24.13	3016	27.23
04 09GLM03S02	WT1109-14	12056	17.87	6814	24.13	4097	27.23
05 09RB051303	WT1109-16	10964	17.87	6906	24.13	2942	27.25
06 09GLM03I02	WT1109-15	9949	17.87	7136	24.13	4247	27.23
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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): X2985 Date Analyzed: 06/10/03

Instrument ID: GCMS-X Time Analyzed: 1513

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		6036	7.44	33431	10.26	17210	14.34
UPPER LIMIT		12072	7.94	66862	10.76	34420	14.84
LOWER LIMIT		3018	6.94	16716	9.76	8605	13.84
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2354-LCSD	WG2354-5	6244	7.43	22109	10.26	10574	14.34
02	10GLM0901	WT1127-7	5683	7.43	22511	10.26	10930	14.34
03	03GLM0402	WT1127-15	4444	7.43	21294	10.26	9909	14.34
04	09GLM08S02	WT1109-17	2617*	7.43	9170*	10.26	5681*	14.34
05	09GLM08S02D	WT1109-18	3045	7.43	11261*	10.26	5493*	14.34
06	09GLM02S02	WT1109-19	2924*	7.42	10411*	10.26	4697*	14.34
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): X2985 Date Analyzed: 06/10/03

Instrument ID: GCMS-X Time Analyzed: 1513

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	20852	17.83	14364	24.09	7321	27.19
UPPER LIMIT	41704	18.33	28728	24.59	14642	27.69
LOWER LIMIT	10426	17.33	7182	23.59	3661	26.69

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG2354-LCSD	WG2354-5	11192	17.83	5760*	24.09	3016*	27.19
02	10GLM0901	WT1127-7	13982	17.83	9110	24.09	5286	27.19
03	03GLM0402	WT1127-15	11256	17.83	8509	24.09	5662	27.17
04	09GLM08S02	WT1109-17	7157*	17.80	4503*	24.09	2944*	27.19
05	09GLM08S02D	WT1109-18	5918*	17.83	3961*	24.09	2420*	27.19
06	09GLM02S02	WT1109-19	6533*	17.83	3356*	24.09	1837*	27.19
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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): X3002 Date Analyzed: 06/11/03

Instrument ID: GCMS-X Time Analyzed: 1416

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	4843	7.42	16060	10.23	8456	14.31
UPPER LIMIT	9686	7.92	32120	10.73	16912	14.81
LOWER LIMIT	2422	6.92	8030	9.73	4228	13.81

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG2354-LCS	WG2354-4	4217	7.41	11245	10.23	4235	14.31
02	WG2323-BLANK	WG2323-1B	3734	7.42	11481	10.23	4710	14.31
03	WG2323-LCS	WG2323-4	3903	7.42	12151	10.23	4621	14.31
04	WG2323-LCSD	WG2323-5	3405	7.41	10932	10.23	4127*	14.31
05	09GLM08S02	WT1109-17DL	4385	7.42	12242	10.23	7473	14.31
06	09GLM08S02D	WT1109-18DL	3687	7.41	13881	10.23	5082	14.31
07	09GLM02S02	WT1109-19RA	3701	7.41	9844	10.23	3812*	14.31
08	09GLM06S02	WT1109-20RA	4592	7.42	14911	10.23	6284	14.31
09	09GLM01S02	WT1109-21RA	3796	7.41	12964	10.23	6077	14.31
10	10GLM0701	WT1127-9RA	4649	7.41	12092	10.23	6697	14.31
11	10GLM0601	WT1127-11RA	4301	7.42	11444	10.23	6241	14.31
12	03RL051403	WT1127-13RA	4795	7.42	11856	10.23	5127	14.31
13	10GLM01R01	WT1127-2DL	3055	7.42	9232	10.23	3630*	14.31
14	10GLM01R01D	WT1127-4DL	3551	7.42	10974	10.23	4435	14.31
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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-1

Lab File ID (Standard): X3002 Date Analyzed: 06/11/03

Instrument ID: GCMS-X Time Analyzed: 1416

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		10018	17.80	4659	24.05	3080	27.15
UPPER LIMIT		20036	18.30	9318	24.55	6160	27.65
LOWER LIMIT		5009	17.30	2330	23.55	1540	26.65
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2354-LCS	WG2354-4	6791	17.80	3935	24.05	2053	27.16
02 WG2323-BLANK	WG2323-1B	9813	17.80	5284	24.05	2591	27.15
03 WG2323-LCS	WG2323-4	7061	17.80	4818	24.05	3222	27.15
04 WG2323-LCSD	WG2323-5	6565	17.80	3135	24.05	2121	27.15
05 09GLM08S02	WT1109-17DL	9093	17.80	4127	24.05	2138	27.16
06 09GLM08S02D	WT1109-18DL	9711	17.80	5382	24.05	3241	27.16
07 09GLM02S02	WT1109-19RA	7704	17.80	3388	24.05	1847	27.15
08 09GLM06S02	WT1109-20RA	12091	17.80	5907	24.05	3650	27.16
09 09GLM01S02	WT1109-21RA	7335	17.80	4280	24.05	2327	27.15
10 10GLM0701	WT1127-9RA	8135	17.80	3305	24.05	1717	27.15
11 10GLM0601	WT1127-11RA	6380	17.80	3432	24.05	2174	27.16
12 03RL051403	WT1127-13RA	6890	17.80	4652	24.05	2146	27.15
13 10GLM01R01	WT1127-2DL	8677	17.80	3006	24.05	2093	27.16
14 10GLM01R01D	WT1127-4DL	5785	17.80	3069	24.05	1610	27.15
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

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0305322R1-15A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052211r**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/22/03**	

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: NA - Not Applicable

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/11Apr2003.b/38100411m5.m
Cal Date : 11-Apr-2003 15:33 atoyama
Curve Type : Average

Calibration File Names:
Level 1: /chem/gc7.i/11Apr2003.b/7041103.d
Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	___ RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742219	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620506	15.365

Air Toxics Ltd.

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id:
Level: LOW
Data Type: GC DATA
SpikeList File: 5lcs.spk
Sublist File: all.sub
Method File: /chem/gc7.i/11Apr2003.b/38100411m5.m
Misc Info:

Client SDG: 11Apr2003
Fraction: VOA
Client Smp ID: LCS
Operator: SRS
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/mL	CONC RECOVERED ug/mL	% RECOVERED	LIMITS
1 Methane	0.3780	0.4500	119.04	70-130
2 Ethylene	0.3310	0.4003	120.95	70-130
3 Ethane	0.3540	0.4183	118.16	70-130
4 Propene	0.002000	0.002222	111.08	70-130
5 Propane	0.002000	0.002352	117.60	70-130

Data File: /chem/gc7.i/22May2003.b/7052209.d
Report Date: 22-May-2003 13:17

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Analysis Type: AIR
Lab Sample ID:
Method: /chem/gc7.i/22May2003.b/38100411m5.m

Injection Date: 22-MAY-2003 12:47
Init. Cal. Times: 11:42 14:02
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	21105249	0.100	-9.18586	30.00000	Averaged
2 Ethylene	19981673	22242328	0.010	-11.31364	30.00000	Averaged
3 Ethane	19495021	21289769	0.010	-9.20619	30.00000	Averaged

Data File: /chem/gc7.i/22May2003.b/7052227.d
Report Date: 23-May-2003 14:55

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Analysis Type: AIR
Lab Sample ID:
Method: /chem/gc7.i/22May2003.b/38100411m5.m

Injection Date: 22-MAY-2003 20:56
Init. Cal. Times: 11:42 14:02
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	20822559	0.100	-7.72339	30.00000	Averaged
2 Ethylene	19981673	21771223	0.010	-8.95596	30.00000	Averaged
3 Ethane	19495021	20730880	0.010	-6.33936	30.00000	Averaged

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0305322R1-16A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052210r**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/22/03**	

Compound	**%Recovery**
Methane	93
Ethane	93
Ethene	96

Container Type: NA - Not Applicable

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**JULY 18, 2003**
FROM:	**MICHAEL T. AKERS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – METALS**
CTO 287, CSS PANAMA CITY
SDG 2872

SAMPLES: 14 / Aqueous / Select Metals / MISC (chloride, cyanide, nitrate, nitrite, sulfate, TOC)

03GLM0202*	03GLM0302*	10GLM0202
10GLM04R01	10GLM05DR01	10GLM0801
10GLMRL051403	13GLM0202	13GLM02D02
13GLM02S02	13GLM05S02	13GLM09I02
13GLM09S02	13RL051503*	

OVERVIEW

The sample set for CTO 287; CSS Panama City, SDG 2872 consists of fourteen (14) aqueous environmental samples analyzed for Select Metals (arsenic, cadmium, chromium, and lead) and Miscellaneous parameters (chloride, nitrate, nitrite, sulfate, and total organic carbon). Samples denoted with an asterisk (*) were analyzed for Target Analyte List (TAL) Metals and cyanide. The samples denoted with an asterisk (*) were not analyzed for the aforementioned miscellaneous parameters nor was rinsate sample 13RL051503 analyzed for the miscellaneous parameters.

The samples were collected by TetraTech NUS on May 14th and 15th, 2003 and analyzed by Katahdin Analytical Services. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW-846 6010B, SW-846 9012, USEPA 325.2, 353.2, 375.4, EPA 415.1 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

*	• Data completeness
	• Holding times
	• Calibration Recoveries
	• Blank results
*	• Laboratory Control Sample Recoveries
*	• ICP Serial Dilution Analyses
*	• Matrix Spike/Matrix Spike Duplicate Recoveries
*	• Detection Limits
*	• Sample Quantitation
*	• ICP Interference

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

METALS

The following analytes were detected in the aqueous laboratory method and or preparation blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration(ug/L)	Action Level (ug/L)
Aluminum	229.53	1148
Antimony	1.87	9.35
Barium	0.48	2.40
Beryllium	0.35	1.75
Cadmium	3.75	18.75
Calcium	83.58	417.9
Chromium	0.61	3.05
Cobalt	0.73	3.65
Iron	32.22	161.1
Lead	1.69	8.45
Magnesium	53.69	268.5
Mercury	0.15	0.75
Potassium	9.15	45.8
Sodium	50.91	254.6
Selenium	2.76	13.8
Thallium[1]	0.192	0.96
Zinc[1]	1.51	7.55

[1] Maximum concentration found in laboratory preparation blank.

An action level of 5X the maximum detected concentration was established for evaluating blank contamination for all analytes. Sample aliquot and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. All positive results less than the calculated action level were qualified as non-detected (U) in the associated aqueous samples.

MISCELLANEOUS

The following analytes were detected in the aqueous laboratory method and/or preparation blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration(mg/L)	Action Level (mg/L)
Chloride	1.083	5.415
Cyanide	3.9 ug/L	19.5
Nitrate	0.0170	0.085
Nitrite	0.0184	0.092
Nitrate+Nitrite	0.0113	0.0565
Sulfate	1.0434	5.217
Total Organic Carbon (TOC)	0.6719	3.3595

An action level of 5X the maximum detected concentration was established for evaluating blank contamination for all analytes. All positive results less than the calculated action level were qualified as non-detected (U) in the associated aqueous samples.

Holding time for nitrate and nitrite of 48 hours was exceeded for sample 13GLM05I02, therefore a preserved aliquot of the sample was analyzed for nitrate/nitrite total which has a holding time of 28 days. The nitrate and nitrite results have been qualified as estimated (UJ).

Additional Comments

Lead exhibited high recovery above acceptance limits (>120%) in the Contract Required Detection Limit Standards (CRDL) analyzed on 5/22/03 at 1055. This CRDL standard was not associated with any samples in this SDG, therefore no data qualifications have been made.

Lead exhibited high recovery above acceptance limits (>120%) in CRDL analyzed on 5/22/03 at 1459. This CRDL standard was not associated with any samples in this SDG, therefore no data qualifications have been made.

Cadmium exhibited high recovery above acceptance limits (>120%) in CRDL analyzed on 5/23/03 at 0019. This CRDL standard was not associated with any samples in this SDG, therefore no data qualifications have been made.

Nickel exhibited high recovery above acceptance limits (>120%) in CRDL analyzed on 5/24/03 at 1538. This CRDL standard is associated with the samples in this SDG, however no positive results were reported for nickel, therefore no data qualifications have been made.

Cadmium exhibited high recovery above acceptance limits (>120%) in CRDL analyzed on 5/24/03 at 1901. This CRDL standard was not associated with any samples in this SDG, therefore no data qualifications have been made.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Holding time for nitrate and nitrite was exceeded for sample 13GLM05I02. Nitrate/Nitrite total was reported as a result for sample 13GLM05I02. Multiple inorganic analytes were detected in the laboratory method and/or preparation blanks, resulting in the qualification of analytical data.

Other Factors Affecting Data Quality: None

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), EPA Region IV (8/93) and the NFESC guidelines "Navy IRCDQM" (Sept 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

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

Tetra Tech NUS
Michael T. Akers
Chemist/Data Validator

Edward Siedlmayer /for
TetraTech NUS
Joseph A. Samchuck

Data Validation Quality Assurance Officer

Attachments:

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: M

nsample	03GLM0202
samp_date	5/14/2003
lab_id	WT1128-011
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	158	U	A
ANTIMONY	1.3	U	
ARSENIC	13.1		
BARIUM	8.0		
BERYLLIUM	0.31	U	
CADMIUM	3.7	U	
CALCIUM	8430		
CHROMIUM	0.57	U	
COBALT	0.44	U	
COPPER	2.4	U	
IRON	6520		
LEAD	0.91	U	
MAGNESIUM	1140		
MANGANESE	2.5		
MERCURY	0.12	U	A
NICKEL	11.7	U	
POTASSIUM	513	U	
SELENIUM	2.1	U	
SILVER	4.8	U	
SODIUM	5370		
THALLIUM	0.19	U	A
VANADIUM	4.7	U	
ZINC	2.1	U	A

nsample	03GLM0302
samp_date	5/15/2003
lab_id	WT1147-007
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	571	U	A
ANTIMONY	1.3	U	
ARSENIC	1.8	U	
BARIUM	7.1		
BERYLLIUM	0.31	U	
CADMIUM	3.7	U	
CALCIUM	6630		
CHROMIUM	2.2	U	A
COBALT	0.44	U	
COPPER	17.0		
IRON	488		
LEAD	2.9	U	A
MAGNESIUM	2940		
MANGANESE	13.2		
MERCURY	0.05	U	A
NICKEL	11.7	U	
POTASSIUM	2290		
SELENIUM	2.1	U	
SILVER	4.8	U	
SODIUM	11900		
THALLIUM	0.11	U	A
VANADIUM	4.7	U	
ZINC	9.1		

nsample	10GLM0202
samp_date	5/14/2003
lab_id	WT1128-005
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	4.8		
CALCIUM	152000		
MAGNESIUM	15800		
MANGANESE	200		
POTASSIUM	4220		
SODIUM	6810		

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: M

nsample	10GLM04R01
samp_date	5/14/2003
lab_id	WT1128-001
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	90.3		
CALCIUM	102000		
MAGNESIUM	38800		
MANGANESE	996		
POTASSIUM	3240		
SODIUM	5650		

nsample	10GLM05DR01
samp_date	5/14/2003
lab_id	WT1128-003
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	14100		
MAGNESIUM	23700		
MANGANESE	31.7		
POTASSIUM	11800		
SODIUM	97800		

nsample	10GLM0801
samp_date	5/14/2003
lab_id	WT1128-007
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	99000		
MAGNESIUM	20600		
MANGANESE	279		
POTASSIUM	6360		
SODIUM	4190		

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: M

nsample	10GLMRL051403
samp_date	5/14/2003
lab_id	WT1128-009
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	18.7	U	
MAGNESIUM	28.2	U	
MANGANESE	0.92	U	
POTASSIUM	513	U	
SODIUM	40.4		

nsample	13GLM0202
samp_date	5/15/2003
lab_id	WT1147-005
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	10800		
MAGNESIUM	1010		
MANGANESE	6.8		
POTASSIUM	794		
SODIUM	2210		

nsample	13GLM02D02
samp_date	5/15/2003
lab_id	WT1147-001
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	3060		
MAGNESIUM	2560		
MANGANESE	7.3		
POTASSIUM	756		
SODIUM	5720		

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: M

nsample	13GLM02S02
samp_date	5/15/2003
lab_id	WT1147-003
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	13600		
MAGNESIUM	991		
MANGANESE	0.92	U	
POTASSIUM	806		
SODIUM	1820		

nsample	13GLM05S02
samp_date	5/15/2003
lab_id	WT1147-016
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	7100		
MAGNESIUM	515		
MANGANESE	1.2		
POTASSIUM	513	U	
SODIUM	2000		

nsample	13GLM09I02
samp_date	5/15/2003
lab_id	WT1147-009
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	3600		
MAGNESIUM	3160		
MANGANESE	5.0		
POTASSIUM	2590		
SODIUM	3770		

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: M

nsample	13GLM09S02	nsample	13RL051503
samp_date	5/15/2003	samp_date	5/15/2003
lab_id	WT1147-011	lab_id	WT1147-013
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	2.8		
CALCIUM	31200		
MAGNESIUM	1340		
MANGANESE	6.7		
POTASSIUM	1870		
SODIUM	3520		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	41.2		
MAGNESIUM	28.2	U	
MANGANESE	0.92	U	
POTASSIUM	513	U	
SODIUM	37.5		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: PAH

nsample	09GLM02S02
samp_date	5/13/2003
lab_id	WT1109-19RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	UJ	N
ACENAPHTHYLENE	0.2	UJ	N
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	UJ	C
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	UJ	C
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	UJ	C
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	UJ	N
PYRENE	0.2	U	

nsample	09GLM03I02
samp_date	5/13/2003
lab_id	WT1109-15
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	UJ	C
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	09GLM03S02
samp_date	5/13/2003
lab_id	WT1109-14
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	UJ	C
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 10GLM04R01

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1128-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	90.3			P	2	16	3.60
7440-70-2	CALCIUM	102000			P	1	50	18.70
7439-95-4	MAGNESIUM	38800			P	1	50	28.20
7439-96-5	MANGANESE	996			P	1	5.0	0.92
7440-09-7	POTASSIUM	3240			P	1	1000	513.00
7440-23-5	SODIUM	5650			P	1	1000	18.80

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:** 10GLM05DR01

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1128-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	14100			P	1	50	18.70
7439-95-4	MAGNESIUM	23700			P	1	50	28.20
7439-96-5	MANGANESE	31.7			P	1	5.0	0.92
7440-09-7	POTASSIUM	11800			P	1	1000	513.00
7440-23-5	SODIUM	97800			P	1	1000	18.80

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:** 10GLM0202

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1128-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	4.8	B		P	1	8.0	1.80
7440-70-2	CALCIUM	152000			P	1	50	18.70
7439-95-4	MAGNESIUM	15800			P	1	50	28.20
7439-96-5	MANGANESE	200			P	1	5.0	0.92
7440-09-7	POTASSIUM	4220			P	1	1000	513.00
7440-23-5	SODIUM	6810			P	1	1000	18.80

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:** 10GLM0801

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1128-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	99000			P	1	50	18.70
7439-95-4	MAGNESIUM	20600			P	1	50	28.20
7439-96-5	MANGANESE	279			P	1	5.0	0.92
7440-09-7	POTASSIUM	6360			P	1	1000	513.00
7440-23-5	SODIUM	4190			P	1	1000	18.80

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:** 10GLMRL051403

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1128-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	18.70	U		P	1	50	18.70
7439-95-4	MAGNESIUM	28.20	U		P	1	50	28.20
7439-96-5	MANGANESE	0.92	U		P	1	5.0	0.92
7440-09-7	POTASSIUM	513.00	U		P	1	1000	513.00
7440-23-5	SODIUM	40.4	B		P	1	1000	18.80

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:** 03GLM0202

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1128-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM	158	B		P	1	300	20.20
7440-36-0	ANTIMONY	1.33	U		P	1	8.0	1.33
7440-38-2	ARSENIC	13.1			P	1	8.0	1.80
7440-39-3	BARIUM	8.0			P	1	5.0	0.48
7440-41-7	BERYLLIUM	0.31	U		P	1	5.0	0.31
7440-43-9	CADMIUM	3.66	U		P	1	10	3.66
7440-70-2	CALCIUM	8430			P	1	50	18.70
7440-47-3	CHROMIUM	0.57	U		P	1	15	0.57
7440-48-4	COBALT	0.44	U		P	1	30	0.44
7440-50-8	COPPER	2.38	U		P	1	25	2.38
7439-89-6	IRON	6520			P	1	100	6.06
7439-92-1	LEAD	0.91	U		P	1	5.0	0.91
7439-95-4	MAGNESIUM	1140			P	1	50	28.20
7439-96-5	MANGANESE	2.5	B		P	1	5.0	0.92
7439-97-6	MERCURY	0.12	B		CV	1	0.20	0.03
7440-02-0	NICKEL	11.70	U		P	1	40	11.70
7440-09-7	POTASSIUM	513.00	U		P	1	1000	513.00
7782-49-2	SELENIUM	2.10	U		P	1	10	2.10
7440-22-4	SILVER	4.78	U		P	1	15	4.78
7440-23-5	SODIUM	5370			P	1	1000	18.80
7440-28-0	THALLIUM	0.19	B		MS	5	15	0.10
7440-62-2	VANADIUM	4.70	U		P	1	25	4.70
7440-66-6	ZINC	2.1	B		P	1	25	1.34

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM02D02

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1147-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	3060			P	1	50	18.70
7439-95-4	MAGNESIUM	2560			P	1	50	28.20
7439-96-5	MANGANESE	7.3			P	1	5.0	0.92
7440-09-7	POTASSIUM	756	B		P	1	1000	513.00
7440-23-5	SODIUM	5720			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM02S02

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1147-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	13600			P	1	50	18.70
7439-95-4	MAGNESIUM	991			P	1	50	28.20
7439-96-5	MANGANESE	0.92	U		P	1	5.0	0.92
7440-09-7	POTASSIUM	806	B		P	1	1000	513.00
7440-23-5	SODIUM	1820			P	1	1000	18.80

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:** 13GLM0202

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1147-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	10800			P	1	50	18.70
7439-95-4	MAGNESIUM	1010			P	1	50	28.20
7439-96-5	MANGANESE	6.8			P	1	5.0	0.92
7440-09-7	POTASSIUM	794	B		P	1	1000	513.00
7440-23-5	SODIUM	2210			P	1	1000	18.80

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:** 03GLM0302

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1147-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM	571			P	1	300	20.20
7440-36-0	ANTIMONY	1.33	U		P	1	8.0	1.33
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-39-3	BARIUM	7.1			P	1	5.0	0.48
7440-41-7	BERYLLIUM	0.31	U		P	1	5.0	0.31
7440-43-9	CADMIUM	3.66	U		P	1	10	3.66
7440-70-2	CALCIUM	6630			P	1	50	18.70
7440-47-3	CHROMIUM	2.2	B		P	1	15	0.57
7440-48-4	COBALT	0.44	U		P	1	30	0.44
7440-50-8	COPPER	17.0	B		P	1	25	2.38
7439-89-6	IRON	488			P	1	100	6.06
7439-92-1	LEAD	2.9	B		P	1	5.0	0.91
7439-95-4	MAGNESIUM	2940			P	1	50	28.20
7439-96-5	MANGANESE	13.2			P	1	5.0	0.92
7439-97-6	MERCURY	0.05	B		CV	1	0.20	0.03
7440-02-0	NICKEL	11.70	U		P	1	40	11.70
7440-09-7	POTASSIUM	2290			P	1	1000	513.00
7782-49-2	SELENIUM	2.10	U		P	1	10	2.10
7440-22-4	SILVER	4.78	U		P	1	15	4.78
7440-23-5	SODIUM	11900			P	1	1000	18.80
7440-28-0	THALLIUM	0.11	B		MS	5	15	0.10
7440-62-2	VANADIUM	4.70	U		P	1	25	4.70
7440-66-6	ZINC	9.1	B		P	1	25	1.34

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:** 13GLM09I02

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WTI147-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	3600			P	1	50	18.70
7439-95-4	MAGNESIUM	3160			P	1	50	28.20
7439-96-5	MANGANESE	5.0			P	1	5.0	0.92
7440-09-7	POTASSIUM	2590			P	1	1000	513.00
7440-23-5	SODIUM	3770			P	1	1000	18.80

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:** 13GLM09S02

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1147-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	2.8	B		P	1	8.0	1.80
7440-70-2	CALCIUM	31200			P	1	50	18.70
7439-95-4	MAGNESIUM	1340			P	1	50	28.20
7439-96-5	MANGANESE	6.7			P	1	5.0	0.92
7440-09-7	POTASSIUM	1870			P	1	1000	513.00
7440-23-5	SODIUM	3520			P	1	1000	18.80

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:** 13RL051503

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1147-013

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	41.2	B		P	1	50	18.70
7439-95-4	MAGNESIUM	28.20	U		P	1	50	28.20
7439-96-5	MANGANESE	0.92	U		P	1	5.0	0.92
7440-09-7	POTASSIUM	513.00	U		P	1	1000	513.00
7440-23-5	SODIUM	37.5	B		P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 13GLM05S02

Matrix: WATER **SDG Name:** CTO287-2

Percent Solids: 0.00 **Lab Sample ID:** WT1147-016

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	7100			P	1	50	18.70
7439-95-4	MAGNESIUM	515			P	1	50	28.20
7439-96-5	MANGANESE	1.2	B		P	1	5.0	0.92
7440-09-7	POTASSIUM	513.00	U		P	1	1000	513.00
7440-23-5	SODIUM	2000			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

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
Foster Plaza 7
Pittsburgh, PA 15220

Lab Sample Id: WT1128-1
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
10GLM04R01	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	6.1 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 08:16	KGT	N/A	N/A	N/A	
Nitrite As N	0.08 mg/L	0.050	EPA 353.2	05/16/03 08:16	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	1800 mg/L	100	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	9.4 mg/L	1.0	EPA 415.1	06/04/03 12:02	CYD	NA		NA	

Notes

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1128-3
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
10GLM05DR01	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	1700 mg/L	20	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	0.1 mg/L	0.050	EPA 353.2	05/16/03 08:18	KGT	N/A	N/A	N/A	
Nitrite As N	J0.0493 mg/L	0.050	EPA 353.2	05/16/03 08:18	KGT	N/A	N/A	N/A	1
Sulfate-Turbidimetric	34 mg/L	1.0	EPA 375.4	05/22/03 15:09	KGT	N/A	N/A	N/A	
Total Organic Carbon	6.2 mg/L	1.0	EPA 415.1	06/04/03 12:14	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1128-5
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
10GLM0202	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	0.63 mg/L	0.050	EPA 353.2	05/16/03 08:09	KGT	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 08:09	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	300 mg/L	20	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	4.3 mg/L	1.0	EPA 415.1	06/04/03 12:25	CYD	NA		NA	

Notes

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Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1128-7
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
10GLM0801	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	3 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0229 mg/L	0.050	EPA 353.2	05/16/03 08:17	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 08:17	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	180 mg/L	10	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	24 mg/L	1.0	EPA 415.1	06/04/03 12:37	CYD	NA		NA	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1128-11
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
03GLM0202	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Cyanide	U10 mg/L	10	SW846 M9012A	05/27/03 14:24	KGT	SW846 9012	05/25/03	CYD	

Notes

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Report of Analytical Results

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

Lab Sample Id: WT1147-1
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
13GLM02D02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	6.8 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	0.09 mg/L	0.050	EPA 353.2	05/16/03 15:09	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:08	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	14 mg/L	1.0	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	1 mg/L	1.0	EPA 415.1	06/05/03 07:26	CYD	NA		NA	

Notes

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Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1147-3
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
13GLM02S02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	1.9 mg/L	0.050	EPA 353.2	05/16/03 15:04	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:03	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	8.4 mg/L	1.0	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	3.4 mg/L	1.0	EPA 415.1	06/05/03 07:37	CYD	NA		NA	

Notes

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Report of Analytical Results

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

Lab Sample Id: WT1147-5
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
13GLM0202	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	1.2 mg/L	0.050	EPA 353.2	05/16/03 15:02	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:01	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	11 mg/L	1.0	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	28 mg/L	1.0	EPA 415.1	06/05/03 07:48	CYD	NA		NA	

Notes

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
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Pittsburgh, PA 15220

Lab Sample Id: WT1147-7
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
03GLM0302	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Cyanide	U10 mg/L	10	SW846 M9012A	05/27/03 14:24	KGT	SW846 9012	05/25/03	CYD	

Notes

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1147-9
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
13GLM09I02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	8.4 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:06	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:05	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	17 mg/L	1.0	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	2 mg/L	1.0	EPA 415.1	06/05/03 08:22	CYD	NA		NA	

Notes

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1147-11
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
13GLM09S02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	6 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	0.49 mg/L	0.050	EPA 353.2	05/16/03 15:03	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 15:02	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	U2.0 mg/L	2.0	EPA 375.4	05/22/03 18:10	KGT	N/A	N/A	N/A	1
Total Organic Carbon	41 mg/L	1.0	EPA 415.1	06/05/03 08:34	CYD	NA		NA	

Notes

(1) The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects,sample volume, or quantity used for analysis.

Katahdin
ANALYTICAL SERVICES

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Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1147-16
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
13GLM05S02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	0.18 mg/L	0.050	EPA 353.2	05/16/03 14:59	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 14:57	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	U1.0 mg/L	1.0	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	2 mg/L	1.0	EPA 415.1	06/05/03 08:45	CYD	NA		NA	

Notes

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

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sales@katahdinlab.com

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
Foster Plaza 7
Pittsburgh, PA 15220

Lab Sample Id: WT1147-18
Report Date: 6/12/03 11:49:05 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO287
SDG: CTO287-2

Sample Description	Matrix	Date Sampled	Date Received
13GLM05I02	AQ	05/15/2003	05/16/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	05/22/03 15:14	KGT	N/A	N/A	N/A	
Nitrate As N	U0.050 mg/L	0.050	EPA 353.2	05/29/03 12:55	PAG	N/A	N/A	N/A	
Nitrate+Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/28/03 13:10	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/29/03 12:55	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	8.9 mg/L	1.0	EPA 375.4	05/22/03 17:11	KGT	N/A	N/A	N/A	
Total Organic Carbon	2 mg/L	1.0	EPA 415.1	06/05/03 08:56	CYD	NA		NA	

Notes

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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 ____ of ____

Client: TENILS | Contact: Mike Akers | Phone #: (850) 385-9899 | Fax #: (850) 385-9860

Address: 1401 Owen Park Dr. | City: Tallahassee | State: FL | Zip Code: 32308

Purchase Order #: WR340N9061 | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): Larry Smith / [signature] | Copies To:

LAB USE ONLY WORK ORDER #: WT11258

KATAHDIN PROJECT MANAGER

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.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL SVOC 8270C/SIM (Filt. ☐Y ☒N)	Metals, Selected 6010B (Filt. ☐Y ☐N)	Diss. Gases RSK 147/175 (Filt. ☐Y ☐N)	Anions EPA 300 (Filt. ☐Y ☐N)	TOC EPA 415.1 (Filt. ☐Y ☐N)	TCL Pesticides/PCBs 8081A/8082 (Filt. ☐Y ☐N)	~~TCL PCBs 8082~~ RKS 14May03 (Filt. ☐Y ☐N)	TAL Metals + Hg 6010B/7471 (Filt. ☐Y ☐N)	Cyanide (Filt. ☐Y ☐N)
	10GLM04R01	14May03 0910	GW	11	3	2	1	2	1	2				
	10GLM05DR01	14May03 0935	GW	11	3	2	1	2	1	2				
	10GLM0202	14May03 1225	GW	11	3	2	1	2	1	2				
	10GLM0801	14May03 1115	GW	11	3	2	1	2	1	2				
	10GLMRL05 1403	14May03 1240	W	6	3	2	1					RKS 14May03		
	03GLM0202	14May03 1530	GW	11	3	2					2	2	1	1
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		/												
		/												

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	14/5/03 1630	[signature]	5/15/03 0900		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC. ☎ (877) 782-3311

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

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 ____ of ____

Client: TENUS
Contact: Mike Akers
Phone #: (850) 385-9899
Fax #: (850) 385-986
Address: 1401 Oven Park Dr.
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340N9061
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY
WORK ORDER #: WT1147
KATAHDIN PROJECT MANAGER:

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.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL SVOC 8270C/SIM (Filt. ☐Y ☒N)	Metals, Selected 6010B (Filt. ☐Y ☒N)	Dissolved Gases RSK 147/175 (Filt. ☐Y ☒N)	Anions EPA 300 (Filt. ☐Y ☒N)	TOC EPA 415.1 (Filt. ☐Y ☒N)	Pesticides/PCBs 8081A/8082 (Filt. ☐Y ☒N)	Tot Metal + Hg 6010B/7471 (Filt. ☐Y ☒N)	Cyanide 9012B (Filt. ☐Y ☒N)	Filt ☐Y ☐N
	13GLM02D02	15May03/~~0955~~ 1010	GW	11	3	2	1	2	1	2				
	13GLM02S02	15May03/0955	GW	11	3	2	1	2	1	2				
	13GLM02O2	15May03/1105	GW	11	3	2	1	2	1	2				
	03GLM0302	15May03/0835	GW	9	3	2					2	1	1	
	13GLM09I02	15May03/1235	GW	11	3	2	1	2	1	2				
	013GLM09S02	15May03/1250	GW	11	3	2	1	2	1	2				
	13BL051503	15May03/1340	W	6	3	2	1							
	13TB051503	15May03/	W	2	2									
	13GLM05S02	15May03/1510	GW	11	3	2	1	2	1	2				
	13GLM05I02	15May03/1510	GW	11	3	2	1	2	1	2				
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Gary W Smith	15MAY03/1700	[signature]	5/16/03 0935		
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

Page ____ of ____

ient: TENILS | Contact: Mike Akers | Phone #: (850) 385-9899 | Fax #: (850) 385-9860

ddress: 1401 Owen Park Dr. | City: Tallahassee | State: FL | Zip Code: 32308

urchase Order #: WR340N9061 | Proj. Name / No. | Katahdin Quote #

ll (if different than above) | Address

ampler (Print / Sign): Larry Smith / [signature] | Copies To:

AB USE ONLY | WORK ORDER #: WT11288 | KATAHDIN PROJECT MANAGER

EMARKS:

HIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

RBILL NO:

EMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL SVOC 8270C/SIM (Filt. ☐Y ☒N)	Metals, Selected 6010B (Filt. ☐Y ☐N)	Diss. Gases RSK 147/175 (Filt. ☐Y ☐N)	Anions EPA 300 (Filt. ☐Y ☐N)	TOC EPA 415.1 (Filt. ☐Y ☐N)	TCL Pesticides/PCBs 8081A/8082 (Filt. ☐Y ☐N)	TCL PCBs 8082 (Filt. ☐Y ☐N)	TAL Metals + Hg 6010B/7471 (Filt. ☐Y ☐N)	Cyanide 9012B (Filt. ☐Y ☐)
10GLM04R01	14May03 0910	GW	11	3	2	1	2	1	2				
10GLM05DR01	14May03 0935	GW	11	3	2	1	2	1	2				
10GLM0202	14May03 1225	GW	11	3	2	1	2	1	2				
10GLM0801	14May03 1115	GW	11	3	2	1	2	1	2				
10GLMRL05 14031	14May03 1240	W	6	3	2	1							
03GLM0202	14May03 1530	GW	11	3	2					2	2 (KWS 14May03)	1	1
	/												
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MMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Larry W Smith	14/5/03 1630	[signature]			
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

Page ____ of ____

Client: TENUS
Contact: Mike Akers
Phone #: (850) 385-9899
Fax #: (850) 385-986
Address: 1401 Oven Park Dr.
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340N9061
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY
WORK ORDER #: WT1147
KATAHDIN PROJECT MANAGER:
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.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL SVOC 8270C/SIM (Filt. ☐Y ☒N)	Metals, Selected 6010B (Filt. ☐Y ☒N)	Dissolved Gases RSK 147/175 (Filt. ☐Y ☒N)	Anions EPA 300 (Filt. ☐Y ☒N)	TOC EPA 415.1 (Filt. ☐Y ☒N)	Pesticides/PCBs 8081A/8082 (Filt. ☐Y ☒N)	Tal Metal + Hg 6010B/7471 (Filt. ☐Y ☒N)	Cyanide 9012B (Filt. ☐Y ☒N)	(Filt. ☐Y ☐N)
13GLM02D02	15May03 ~~0955~~ 1010	GW	11	3	2	1	2	1	2				
13GLM02S02	15May03 0955	GW	11	3	2	1	2	1	2				
13GLM02O2	15May03 1105	GW	11	3	2	1	2	1	2				
03GLM03O2	15May03 0835	GW	9	3	2					2	1	1	
13GLM09I02	15May03 1235	GW	11	3	2	1	2	1	2				
013GLM09S02	15May03 1250	GW	11	3	2	1	2	1	2				
13RL051503	15May03 1340	W	6	3	2	1							
13TB051503	15May03	W	2	2									
13GLM05S02	15May03 1510	GW	11	3	2	1	2	1	2				
13GLM05I02	15May03 1510	GW	11	3	2	1	2	1	2				
	/												
	/												
	/												
	/												
	/												
	/												

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Larry W Smith	15May03 1700	[signature]	3/16/03 0935		
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

ORIGINAL

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICV

File: ATE22A May 22, 2003 10:35

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18976.27	94.9
ANTIMONY	600.0	566.12	94.4
ARSENIC	600.0	556.73	92.8
CALCIUM	20000.0	19576.38	97.9
CHROMIUM	500.0	490.57	98.1
COBALT	500.0	484.82	97.0
IRON	20000.0	20023.41	100.1
LEAD	550.0	514.73	93.6
MAGNESIUM	20000.0	20185.51	100.9
SELENIUM	550.0	518.20	94.2

SAMPLE: CCV

File: ATE22A May 22, 2003 11:15

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	45600.65	91.2
ANTIMONY	1000.0	955.16	95.5
ARSENIC	1000.0	968.99	96.9
CALCIUM	50000.0	47931.66	95.9
CHROMIUM	1000.0	953.41	95.3
COBALT	1000.0	942.15	94.2
IRON	20000.0	19060.11	95.3
LEAD	1000.0	960.45	96.0
MAGNESIUM	50000.0	47904.80	95.8
SELENIUM	1000.0	947.92	94.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: ATE22A May 22, 2003 12:45

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48351.38	96.7
ANTIMONY	1000.0	1018.64	101.9
ARSENIC	1000.0	1027.25	102.7
CALCIUM	50000.0	51433.67	102.9
CHROMIUM	1000.0	1014.62	101.5
COBALT	1000.0	1009.07	100.9
IRON	20000.0	20283.92	101.4
LEAD	1000.0	1041.90	104.2
MAGNESIUM	50000.0	50671.09	101.3
SELENIUM	1000.0	1048.75	104.9

SAMPLE: CCV

File: ATE22A May 22, 2003 14:05

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47854.01	95.7
ANTIMONY	1000.0	1022.45	102.2
ARSENIC	1000.0	1036.86	103.7
CALCIUM	50000.0	51708.54	103.4
CHROMIUM	1000.0	1011.78	101.2
COBALT	1000.0	1004.78	100.5
IRON	20000.0	20250.49	101.3
LEAD	1000.0	1052.19	105.2
MAGNESIUM	50000.0	50576.08	101.2
SELENIUM	1000.0	1054.48	105.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: ATE22A May 22, 2003 15:19

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	46288.74	92.6
ANTIMONY	1000.0	1032.06	103.2
ARSENIC	1000.0	1056.53	105.7
CALCIUM	50000.0	51762.61	103.5
CHROMIUM	1000.0	995.20	99.5
COBALT	1000.0	1002.06	100.2
IRON	20000.0	20066.03	100.3
LEAD	1000.0	1072.82	107.3
MAGNESIUM	50000.0	49654.80	99.3
SELENIUM	1000.0	1064.70	106.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICV

File: ATE27A May 27, 2003 15:44

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19788.65	98.9
ANTIMONY	600.0	582.78	97.1
ARSENIC	600.0	615.08	102.5
CALCIUM	20000.0	21018.65	105.1
CHROMIUM	500.0	486.51	97.3
COBALT	500.0	481.85	96.4
IRON	20000.0	20933.75	104.7
LEAD	550.0	548.51	99.7
MAGNESIUM	20000.0	21021.55	105.1
SELENIUM	550.0	518.68	94.3

SAMPLE: CCV

File: ATE27A May 27, 2003 16:24

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49017.71	98.0
ANTIMONY	1000.0	981.85	98.2
ARSENIC	1000.0	958.84	95.9
CALCIUM	50000.0	49285.12	98.6
CHROMIUM	1000.0	1029.88	103.0
COBALT	1000.0	1006.97	100.7
IRON	20000.0	20445.13	102.2
LEAD	1000.0	980.09	98.0
MAGNESIUM	50000.0	51325.09	102.7
SELENIUM	1000.0	990.42	99.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: ATE27A May 27, 2003 17:46

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48768.53	97.5
ANTIMONY	1000.0	1035.33	103.5
ARSENIC	1000.0	1064.51	106.5
CALCIUM	50000.0	51668.28	103.3
CHROMIUM	1000.0	1019.87	102.0
COBALT	1000.0	1033.65	103.4
IRON	20000.0	20574.54	102.9
LEAD	1000.0	1055.68	105.6
MAGNESIUM	50000.0	51559.36	103.1
SELENIUM	1000.0	1036.46	103.6

SAMPLE: CCV

File: ATE27A May 27, 2003 19:06

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49306.13	98.6
ANTIMONY	1000.0	1035.85	103.6
ARSENIC	1000.0	1061.95	106.2
CALCIUM	50000.0	51633.87	103.3
CHROMIUM	1000.0	1027.03	102.7
COBALT	1000.0	1037.98	103.8
IRON	20000.0	20633.76	103.2
LEAD	1000.0	1049.31	104.9
MAGNESIUM	50000.0	51892.16	103.8
SELENIUM	1000.0	1032.22	103.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: ATE27A May 27, 2003 20:27

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49315.83	98.6
ANTIMONY	1000.0	1048.12	104.8
ARSENIC	1000.0	1073.90	107.4
CALCIUM	50000.0	52017.44	104.0
CHROMIUM	1000.0	1035.73	103.6
COBALT	1000.0	1051.54	105.2
IRON	20000.0	20796.74	104.0
LEAD	1000.0	1068.09	106.8
MAGNESIUM	50000.0	52153.42	104.3
SELENIUM	1000.0	1047.81	104.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICV

File: BTE22C May 22, 2003 17:15

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20377.38	101.9
BARIUM	500.0	500.19	100.0
BERYLLIUM	500.0	498.33	99.7
CADMIUM	1250.0	1219.83	97.6
CALCIUM	20000.0	20415.01	102.1
COPPER	500.0	468.70	93.7
IRON	20000.0	20841.11	104.2
MAGNESIUM	20000.0	19769.79	98.8
MANGANESE	500.0	515.43	103.1
NICKEL	1000.0	1009.13	100.9
POTASSIUM	20000.0	18442.65	92.2
SILVER	200.0	191.23	95.6
SODIUM	20000.0	19034.08	95.2
VANADIUM	500.0	491.74	98.3
ZINC	1000.0	961.09	96.1

SAMPLE: CCV

File: BTE22C May 22, 2003 17:50

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50432.84	100.9
BARIUM	1000.0	1012.47	101.2
BERYLLIUM	1000.0	1037.29	103.7
CADMIUM	1000.0	1023.16	102.3
CALCIUM	50000.0	52210.94	104.4
COPPER	1000.0	998.24	99.8
IRON	20000.0	20710.57	103.6
MAGNESIUM	50000.0	50857.23	101.7
MANGANESE	1000.0	1050.45	105.0
NICKEL	1000.0	1048.75	104.9
POTASSIUM	50000.0	48624.17	97.2
SILVER	250.0	256.69	102.7
SODIUM	50000.0	47293.67	94.6
VANADIUM	1000.0	1024.19	102.4
ZINC	1000.0	1018.85	101.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: BTE22C May 22, 2003 18:58

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50694.42	101.4
BARIUM	1000.0	1022.13	102.2
BERYLLIUM	1000.0	1044.32	104.4
CADMIUM	1000.0	1019.22	101.9
CALCIUM	50000.0	51885.02	103.8
COPPER	1000.0	1006.96	100.7
IRON	20000.0	20683.37	103.4
MAGNESIUM	50000.0	50902.51	101.8
MANGANESE	1000.0	1049.51	105.0
NICKEL	1000.0	1027.97	102.8
POTASSIUM	50000.0	48364.69	96.7
SILVER	250.0	252.91	101.2
SODIUM	50000.0	47921.78	95.8
VANADIUM	1000.0	1026.08	102.6
ZINC	1000.0	1015.22	101.5

SAMPLE: CCV

File: BTE22C May 22, 2003 20:05

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50660.65	101.3
BARIUM	1000.0	1019.24	101.9
BERYLLIUM	1000.0	1034.85	103.5
CADMIUM	1000.0	1019.91	102.0
CALCIUM	50000.0	51311.77	102.6
COPPER	1000.0	1005.67	100.6
IRON	20000.0	20550.67	102.8
MAGNESIUM	50000.0	50773.95	101.5
MANGANESE	1000.0	1042.29	104.2
NICKEL	1000.0	1023.47	102.3
POTASSIUM	50000.0	48724.22	97.4
SILVER	250.0	250.80	100.3
SODIUM	50000.0	47560.22	95.1
VANADIUM	1000.0	1021.00	102.1
ZINC	1000.0	1008.57	100.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: BTE22C May 22, 2003 21:13

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50914.32	101.8
BARIUM	1000.0	1025.69	102.6
BERYLLIUM	1000.0	1032.51	103.3
CADMIUM	1000.0	1002.04	100.2
CALCIUM	50000.0	50337.22	100.7
COPPER	1000.0	1013.39	101.3
IRON	20000.0	20442.04	102.2
MAGNESIUM	50000.0	50770.55	101.5
MANGANESE	1000.0	1032.53	103.3
NICKEL	1000.0	1015.60	101.6
POTASSIUM	50000.0	49277.93	98.6
SILVER	250.0	251.42	100.6
SODIUM	50000.0	48022.96	96.0
VANADIUM	1000.0	1016.95	101.7
ZINC	1000.0	1002.15	100.2

SAMPLE: CCV

File: BTE22C May 22, 2003 22:21

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50983.30	102.0
BARIUM	1000.0	1029.16	102.9
BERYLLIUM	1000.0	1031.07	103.1
CADMIUM	1000.0	1012.57	101.3
CALCIUM	50000.0	50302.95	100.6
COPPER	1000.0	1015.90	101.6
IRON	20000.0	20336.46	101.7
MAGNESIUM	50000.0	50810.58	101.6
MANGANESE	1000.0	1032.09	103.2
NICKEL	1000.0	996.29	99.6
POTASSIUM	50000.0	49330.07	98.7
SILVER	250.0	250.78	100.3
SODIUM	50000.0	47861.34	95.7
VANADIUM	1000.0	1019.57	102.0
ZINC	1000.0	1002.31	100.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: BTE22C May 22, 2003 23:28

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51206.58	102.4
BARIUM	1000.0	1034.30	103.4
BERYLLIUM	1000.0	1033.02	103.3
CADMIUM	1000.0	1004.37	100.4
CALCIUM	50000.0	50168.52	100.3
COPPER	1000.0	1020.48	102.0
IRON	20000.0	20345.68	101.7
MAGNESIUM	50000.0	50871.01	101.7
MANGANESE	1000.0	1035.31	103.5
NICKEL	1000.0	1007.20	100.7
POTASSIUM	50000.0	49028.53	98.1
SILVER	250.0	253.21	101.3
SODIUM	50000.0	47852.14	95.7
VANADIUM	1000.0	1019.74	102.0
ZINC	1000.0	1001.71	100.2

SAMPLE: CCV

File: BTE22C May 23, 2003 0:36

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51498.20	103.0
BARIUM	1000.0	1038.88	103.9
BERYLLIUM	1000.0	1039.22	103.9
CADMIUM	1000.0	1009.16	100.9
CALCIUM	50000.0	50319.32	100.6
COPPER	1000.0	1026.81	102.7
IRON	20000.0	20503.73	102.5
MAGNESIUM	50000.0	51238.56	102.5
MANGANESE	1000.0	1040.76	104.1
NICKEL	1000.0	1018.02	101.8
POTASSIUM	50000.0	49686.88	99.4
SILVER	250.0	254.99	102.0
SODIUM	50000.0	48529.83	97.1
VANADIUM	1000.0	1029.69	103.0
ZINC	1000.0	1006.60	100.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICV

File: BTE24A May 24, 2003 15:21

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20593.80	103.0
BARIUM	500.0	503.79	100.8
BERYLLIUM	500.0	498.72	99.7
CADMIUM	1250.0	1224.48	98.0
CALCIUM	20000.0	20356.18	101.8
COPPER	500.0	474.98	95.0
IRON	20000.0	21056.74	105.3
MAGNESIUM	20000.0	19955.15	99.8
MANGANESE	500.0	505.70	101.1
NICKEL	1000.0	1014.80	101.5
POTASSIUM	20000.0	19196.72	96.0
SILVER	200.0	191.88	95.9
SODIUM	20000.0	20271.42	101.4
VANADIUM	500.0	493.00	98.6
ZINC	1000.0	968.31	96.8

SAMPLE: CCV

File: BTE24A May 24, 2003 15:55

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50634.98	101.3
BARIUM	1000.0	1017.62	101.8
BERYLLIUM	1000.0	1032.08	103.2
CADMIUM	1000.0	1016.58	101.7
CALCIUM	50000.0	51825.05	103.7
COPPER	1000.0	1008.00	100.8
IRON	20000.0	20905.38	104.5
MAGNESIUM	50000.0	50749.20	101.5
MANGANESE	1000.0	1014.24	101.4
NICKEL	1000.0	1038.00	103.8
POTASSIUM	50000.0	49232.61	98.5
SILVER	250.0	254.96	102.0
SODIUM	50000.0	50382.00	100.8
VANADIUM	1000.0	1020.67	102.1
ZINC	1000.0	1019.04	101.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: BTE24A May 24, 2003 17:03

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50659.48	101.3
BARIUM	1000.0	1014.94	101.5
BERYLLIUM	1000.0	1030.61	103.1
CADMIUM	1000.0	1029.31	102.9
CALCIUM	50000.0	51998.32	104.0
COPPER	1000.0	1014.76	101.5
IRON	20000.0	20830.72	104.2
MAGNESIUM	50000.0	50797.37	101.6
MANGANESE	1000.0	1017.85	101.8
NICKEL	1000.0	1044.29	104.4
POTASSIUM	50000.0	50155.80	100.3
SILVER	250.0	258.04	103.2
SODIUM	50000.0	51897.00	103.8
VANADIUM	1000.0	1026.07	102.6
ZINC	1000.0	1025.62	102.6

SAMPLE: CCV

File: BTE24A May 24, 2003 18:10

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50660.66	101.3
BARIUM	1000.0	1014.00	101.4
BERYLLIUM	1000.0	1021.79	102.2
CADMIUM	1000.0	1023.59	102.4
CALCIUM	50000.0	51906.20	103.8
COPPER	1000.0	1014.25	101.4
IRON	20000.0	20754.53	103.8
MAGNESIUM	50000.0	50789.95	101.6
MANGANESE	1000.0	1015.03	101.5
NICKEL	1000.0	1016.95	101.7
POTASSIUM	50000.0	50207.37	100.4
SILVER	250.0	257.46	103.0
SODIUM	50000.0	51260.84	102.5
VANADIUM	1000.0	1023.99	102.4
ZINC	1000.0	1027.40	102.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: BTE24A May 24, 2003 19:18

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50655.86	101.3
BARIUM	1000.0	1017.87	101.8
BERYLLIUM	1000.0	1016.13	101.6
CADMIUM	1000.0	1005.24	100.5
CALCIUM	50000.0	50637.00	101.3
COPPER	1000.0	1016.12	101.6
IRON	20000.0	20479.25	102.4
MAGNESIUM	50000.0	50662.89	101.3
MANGANESE	1000.0	1002.43	100.2
NICKEL	1000.0	1017.39	101.7
POTASSIUM	50000.0	49525.76	99.1
SILVER	250.0	254.98	102.0
SODIUM	50000.0	51290.35	102.6
VANADIUM	1000.0	1012.44	101.2
ZINC	1000.0	1010.69	101.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICV

File: DTF04B Jun 04, 2003 15:25

Analyte	True	Found	%R (1)
MERCURY	6.0	5.91	98.5

SAMPLE: CCV

File: DTF04B Jun 04, 2003 16:02

Analyte	True	Found	%R (1)
MERCURY	5.0	4.92	98.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: DTF04B Jun 04, 2003 16:39

Analyte	True	Found	%R (1)
MERCURY	5.0	4.97	99.4

SAMPLE: CCV

File: DTF04B Jun 04, 2003 17:16

Analyte	True	Found	%R (1)
MERCURY	5.0	4.95	99.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICV

File: DTF11A Jun 11, 2003 17:11

Analyte	True	Found	%R (1)
MERCURY	6.0	6.13	102.2

SAMPLE: CCV

File: DTF11A Jun 11, 2003 17:48

Analyte	True	Found	%R (1)
MERCURY	5.0	5.29	105.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICV

File: FTF09B Jun 09, 2003 15:31

Analyte	True	Found	%R (1)
ALUMINUM	400.0	406.10	101.5
CALCIUM	4000.0	4170.00	104.3
IRON	4000.0	4227.00	105.7
MAGNESIUM	4000.0	4138.00	103.5
MOLYBDENUM	40.0	40.64	101.6
POTASSIUM	4000.0	4201.00	105.0
SODIUM	4000.0	4101.00	102.5
THALLIUM	20.0	19.75	98.8

SAMPLE: CCV

File: FTF09B Jun 09, 2003 16:40

Analyte	True	Found	%R (1)
ALUMINUM	500.0	496.00	99.2
CALCIUM	5000.0	4964.00	99.3
IRON	5000.0	4822.00	96.4
MAGNESIUM	5000.0	5015.00	100.3
MOLYBDENUM	25.0	24.68	98.7
POTASSIUM	5000.0	4974.00	99.5
SODIUM	5000.0	4997.00	99.9
THALLIUM	25.0	24.54	98.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: FTF09B Jun 09, 2003 18:13

Analyte	True	Found	%R (1)
ALUMINUM	500.0	502.00	100.4
CALCIUM	5000.0	5156.00	103.1
IRON	5000.0	5082.00	101.6
MAGNESIUM	5000.0	5067.00	101.3
MOLYBDENUM	25.0	25.88	103.5
POTASSIUM	5000.0	5083.00	101.7
SODIUM	5000.0	5101.00	102.0
THALLIUM	25.0	25.19	100.8

SAMPLE: CCV

File: FTF09B Jun 09, 2003 19:47

Analyte	True	Found	%R (1)
ALUMINUM	500.0	527.40	105.5
CALCIUM	5000.0	5189.00	103.8
IRON	5000.0	5086.00	101.7
MAGNESIUM	5000.0	5153.00	103.1
MOLYBDENUM	25.0	25.12	100.5
POTASSIUM	5000.0	5199.00	104.0
SODIUM	5000.0	5104.00	102.1
THALLIUM	25.0	25.40	101.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: FTF09B Jun 09, 2003 21:20

Analyte	True	Found	%R (1)
ALUMINUM	500.0	512.10	102.4
CALCIUM	5000.0	5126.00	102.5
IRON	5000.0	5053.00	101.1
MAGNESIUM	5000.0	5148.00	103.0
MOLYBDENUM	25.0	25.44	101.8
POTASSIUM	5000.0	5049.00	101.0
SODIUM	5000.0	5042.00	100.8
THALLIUM	25.0	24.85	99.4

SAMPLE: CCV

File: FTF09B Jun 09, 2003 22:45

Analyte	True	Found	%R (1)
ALUMINUM	500.0	498.90	99.8
CALCIUM	5000.0	5026.00	100.5
IRON	5000.0	5030.00	100.6
MAGNESIUM	5000.0	4940.00	98.8
MOLYBDENUM	25.0	25.32	101.3
POTASSIUM	5000.0	5000.00	100.0
SODIUM	5000.0	4867.00	97.3
THALLIUM	25.0	24.64	98.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCV

File: FTF09B Jun 09, 2003 23:32

Analyte	True	Found	%R (1)
ALUMINUM	500.0	516.30	103.3
CALCIUM	5000.0	5060.00	101.2
IRON	5000.0	4874.00	97.5
MAGNESIUM	5000.0	5091.00	101.8
MOLYBDENUM	25.0	25.08	100.3
POTASSIUM	5000.0	5092.00	101.8
SODIUM	5000.0	5094.00	101.9
THALLIUM	25.0	24.60	98.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CRI

File: ATE22A May 22, 2003 10:55

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	129.75	108.1
ARSENIC	20.0	22.29	111.5
CHROMIUM	20.0	22.25	111.3
COBALT	100.0	109.13	109.1
LEAD	6.0	7.40	123.3
SELENIUM	10.0	10.13	101.3

SAMPLE: CRI

File: ATE22A May 22, 2003 14:59

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	137.72	114.8
ARSENIC	20.0	22.28	111.4
CHROMIUM	20.0	22.14	110.7
COBALT	100.0	109.00	109.0
LEAD	6.0	8.60	143.3
SELENIUM	10.0	8.70	87.0

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CRI

File: ATE27A May 27, 2003 16:04

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	136.02	113.4
ARSENIC	20.0	23.83	119.2
CHROMIUM	20.0	22.69	113.5
COBALT	100.0	112.20	112.2
LEAD	6.0	7.03	117.2
SELENIUM	10.0	11.30	113.0

SAMPLE: CRI

File: ATE27A May 27, 2003 20:07

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	135.34	112.8
ARSENIC	20.0	23.18	115.9
CHROMIUM	20.0	22.46	112.3
COBALT	100.0	111.67	111.7
LEAD	6.0	7.31	121.8
SELENIUM	10.0	10.47	104.7

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CRI

File: BTE22C May 22, 2003 17:33

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.33	113.3
CADMIUM	10.0	11.17	111.7
COPPER	50.0	54.53	109.1
MANGANESE	30.0	35.20	117.3
NICKEL	80.0	90.37	113.0
SILVER	20.0	20.00	100.0
VANADIUM	100.0	114.27	114.3
ZINC	40.0	43.60	109.0

SAMPLE: CRI

File: BTE22C May 22, 2003 20:56

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.40	114.0
CADMIUM	10.0	10.87	108.7
COPPER	50.0	54.63	109.3
MANGANESE	30.0	35.12	117.1
NICKEL	80.0	96.37	120.5
SILVER	20.0	19.56	97.8
VANADIUM	100.0	113.83	113.8
ZINC	40.0	44.23	110.6

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CRI

File: BTE22C May 23, 2003 00:19

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.28	112.8
CADMIUM	10.0	15.46	154.6 *
COPPER	50.0	54.75	109.5
MANGANESE	30.0	33.89	113.0
NICKEL	80.0	93.84	117.3
SILVER	20.0	19.47	97.3
VANADIUM	100.0	113.71	113.7
ZINC	40.0	42.20	105.5

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CRI

File: BTE24A May 24, 2003 15:38

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.12	111.2
CADMIUM	10.0	11.04	110.4
COPPER	50.0	56.14	112.3
MANGANESE	30.0	33.86	112.9
NICKEL	80.0	100.26	125.3
SILVER	20.0	20.47	102.3
VANADIUM	100.0	111.57	111.6
ZINC	40.0	43.69	109.2

SAMPLE: CRI

File: BTE24A May 24, 2003 19:01

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	11.00	110.0
CADMIUM	10.0	14.12	141.2
COPPER	50.0	54.84	109.7
MANGANESE	30.0	33.81	112.7
NICKEL	80.0	90.76	113.5
SILVER	20.0	22.14	110.7
VANADIUM	100.0	111.48	111.5
ZINC	40.0	43.27	108.2

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CRA

File: DTF04B Jun 04, 2003 15:32

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.18	90.0

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CRA

File: DTF11A Jun 11, 2003 17:18

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.14	70.0

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CRI

File: FTF09B Jun 09, 2003 16:09

Analyte	TRUE	FOUND	% R
THALLIUM	20.0	23.11	115.6

SAMPLE: CRI

File: FTF09B Jun 09, 2003 23:01

Analyte	TRUE	FOUND	% R
THALLIUM	20.0	22.92	114.6

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

SAMPLE: PQL

File: ATE22A May 22, 2003 10:49 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	224.33	74.8
ANTIMONY	8.0	7.40	92.5
ARSENIC	8.0	7.10	88.8
CALCIUM	50.0	70.91	141.8
CHROMIUM	15.0	15.18	101.2
COBALT	30.0	32.17	107.2
IRON	100.0	98.85	98.8
LEAD	5.0	5.78	115.6
MAGNESIUM	50.0	64.69	129.4
SELENIUM	10.0	6.54	65.4

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

SAMPLE: PQL

File: ATE27A May 27, 2003 15:57 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	187.10	62.4
ANTIMONY	8.0	7.33	91.6
ARSENIC	8.0	8.54	106.7
CALCIUM	50.0	82.85	165.7 •
CHROMIUM	15.0	15.93	106.2
COBALT	30.0	32.86	109.5
IRON	100.0	106.82	106.8
LEAD	5.0	4.51	90.2
MAGNESIUM	50.0	67.96	135.9
SELENIUM	10.0	9.28	92.8

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

SAMPLE: PQL

File: BTE22C May 22, 2003 17:28 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	297.78	99.3
BARIUM	5.0	4.42	88.4
BERYLLIUM	5.0	5.28	105.6
CADMIUM	10.0	9.04	90.4
CALCIUM	50.0	47.50	95.0
COPPER	25.0	24.36	97.4
IRON	100.0	105.20	105.2
MAGNESIUM	50.0	33.29	66.6
MANGANESE	5.0	5.25	105.0
NICKEL	40.0	47.68	119.2
POTASSIUM	1000.0	673.91	67.4
SILVER	15.0	13.87	92.5
SODIUM	1000.0	997.43	99.7
VANADIUM	25.0	28.36	113.4
ZINC	25.0	26.80	107.2

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

SAMPLE: PQL

File: BTE24A May 24, 2003 15:33 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	302.90	101.0
BARIUM	5.0	5.36	107.2
BERYLLIUM	5.0	4.93	98.6
CADMIUM	10.0	9.32	93.2
CALCIUM	50.0	56.33	112.7
COPPER	25.0	25.20	100.8
IRON	100.0	107.79	107.8
MAGNESIUM	50.0	43.15	86.3
MANGANESE	5.0	4.45	89.0
NICKEL	40.0	36.54	91.3
POTASSIUM	1000.0	979.67	98.0
SILVER	15.0	15.95	106.3
SODIUM	1000.0	991.27	99.1
VANADIUM	25.0	25.84	103.4
ZINC	25.0	27.32	109.3

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

SAMPLE: PQL

File: FTF09B Jun 09, 2003 15:46 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	60.0	58.53	97.5
CALCIUM	20.0	20.05	100.3
IRON	20.0	21.87	109.4
MAGNESIUM	20.0	20.66	103.3
MOLYBDENUM	1.0	1.02	102.0
POTASSIUM	200.0	210.40	105.2
SODIUM	200.0	213.90	107.0
THALLIUM	0.4	0.43	107.5

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICB

File: ATE22A May 22, 2003 10:42

Analyte	Result	C
ALUMINUM	-67.08	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	29.54	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	-10.71	B
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	-2.71	B

SAMPLE: CCB

File: ATE22A May 22, 2003 11:22

Analyte	Result	C
ALUMINUM	44.46	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-13.02	B
CHROMIUM	-0.61	B
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

SAMPLE: CCB

File: ATE22A May 22, 2003 12:52

Analyte	Result	C
ALUMINUM	100.71	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-30.29	B
CHROMIUM	-0.61	B
COBALT	-0.73	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCB

File: ATE22A May 22, 2003 14:12

Analyte	Result	C
ALUMINUM	168.80	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-47.20	B
CHROMIUM	0.57	U
COBALT	-0.54	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

SAMPLE: CCB

File: ATE22A May 22, 2003 15:26

Analyte	Result	C
ALUMINUM	229.53	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-59.35	
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.19	B
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICB

File: ATE27A May 27, 2003 15:50

Analyte	Result	C
ALUMINUM	-192.27	B
ANTIMONY	1.87	B
ARSENIC	1.80	U
CALCIUM	69.72	
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	-1.69	B
MAGNESIUM	4.08	U
SELENIUM	2.10	U

SAMPLE: CCB

File: ATE27A May 27, 2003 16:31

Analyte	Result	C
ALUMINUM	-54.84	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	22.64	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	7.77	B
SELENIUM	2.10	U

SAMPLE: CCB

File: ATE27A May 27, 2003 17:53

Analyte	Result	C
ALUMINUM	64.60	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-18.10	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCB

File: ATE27A May 27, 2003 19:13

Analyte	Result	C
ALUMINUM	15.74	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	13.43	B
LEAD	-1.12	B
MAGNESIUM	6.75	B
SELENIUM	2.76	B

SAMPLE: CCB

File: ATE27A May 27, 2003 20:34

Analyte	Result	C
ALUMINUM	67.28	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
CALCIUM	-17.79	B
CHROMIUM	0.57	U
COBALT	0.44	U
IRON	10.86	B
LEAD	0.91	U
MAGNESIUM	9.80	B
SELENIUM	2.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICB

File: BTE22C May 22, 2003 17:21

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	21.73	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE22C May 22, 2003 17:56

Analyte	Result	C
ALUMINUM	66.17	B
BARIUM	0.48	U
BERYLLIUM	0.35	B
CADMIUM	3.66	U
CALCIUM	83.58	
COPPER	2.38	U
IRON	32.22	B
MAGNESIUM	86.06	
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	50.91	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE22C May 22, 2003 19:04

Analyte	Result	C
ALUMINUM	22.14	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	25.78	B
COPPER	2.38	U
IRON	11.10	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	40.20	B
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCB

File: BTE22C May 22, 2003 20:11

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	8.06	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	40.48	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE22C May 22, 2003 21:19

Analyte	Result	C
ALUMINUM	52.98	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	38.73	B
COPPER	2.38	U
IRON	22.30	B
MAGNESIUM	53.24	
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	25.70	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE22C May 22, 2003 22:26

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	33.90	B
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCB

File: BTE22C May 22, 2003 23:34

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	30.39	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE22C May 23, 2003 0:42

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	-0.48	B
BERYLLIUM	0.36	B
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	11.71	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	29.78	B
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICB

File: BTE24A May 24, 2003 15:27

Analyte	Result	C
ALUMINUM	20.20	U
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.75	B
CALCIUM	18.70	U
COPPER	2.38	U
IRON	6.06	U
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE24A May 24, 2003 16:01

Analyte	Result	C
ALUMINUM	63.37	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	53.26	
COPPER	2.38	U
IRON	23.19	B
MAGNESIUM	53.69	
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	27.03	B
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE24A May 24, 2003 17:08

Analyte	Result	C
ALUMINUM	42.13	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	30.84	B
COPPER	2.38	U
IRON	9.36	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	20.20	B
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCB

File: BTE24A May 24, 2003 18:16

Analyte	Result	C
ALUMINUM	26.84	B
BARIUM	0.48	B
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	18.70	U
COPPER	2.38	U
IRON	9.18	B
MAGNESIUM	28.20	U
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

SAMPLE: CCB

File: BTE24A May 24, 2003 19:24

Analyte	Result	C
ALUMINUM	40.09	B
BARIUM	0.48	U
BERYLLIUM	0.31	U
CADMIUM	3.66	U
CALCIUM	39.43	B
COPPER	2.38	U
IRON	16.58	B
MAGNESIUM	41.27	B
MANGANESE	0.92	U
NICKEL	11.70	U
POTASSIUM	513.00	U
SILVER	4.78	U
SODIUM	18.80	U
VANADIUM	4.70	U
ZINC	1.34	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICB

File: DTF04B Jun 04, 2003 15:29

Analyte	Result	C
MERCURY	0.03	U

SAMPLE: CCB

File: DTF04B Jun 04, 2003 16:06

Analyte	Result	C
MERCURY	-0.10	B

SAMPLE: CCB

File: DTF04B Jun 04, 2003 16:43

Analyte	Result	C
MERCURY	-0.04	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCB

File: DTF04B Jun 04, 2003 17:19

Analyte	Result	C
MERCURY	-0.07	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICB

File: DTF11A Jun 11, 2003 17:15

Analyte	Result	C
MERCURY	-0.15	B

SAMPLE: CCB

File: DTF11A Jun 11, 2003 17:52

Analyte	Result	C
MERCURY	-0.12	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICB

File: FTF09B Jun 09, 2003 15:38

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	1.14	U
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	2.31	U
THALLIUM	0.09	B

SAMPLE: CCB

File: FTF09B Jun 09, 2003 16:48

Analyte	Result	C
ALUMINUM	2.99	B
CALCIUM	3.20	B
IRON	5.09	B
MAGNESIUM	4.03	B
MOLYBDENUM	0.21	U
POTASSIUM	9.15	B
SODIUM	2.31	U
THALLIUM	0.02	B

SAMPLE: CCB

File: FTF09B Jun 09, 2003 18:21

Analyte	Result	C
ALUMINUM	2.19	B
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	3.70	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-2.90	B
THALLIUM	0.04	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCB

File: FTF09B Jun 09, 2003 19:54

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	2.19	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	8.38	B
THALLIUM	0.07	B

SAMPLE: CCB

File: FTF09B Jun 09, 2003 21:28

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	2.73	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-4.00	B
THALLIUM	0.10	B

SAMPLE: CCB

File: FTF09B Jun 09, 2003 22:53

Analyte	Result	C
ALUMINUM	1.09	B
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	3.53	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-4.24	B
THALLIUM	0.07	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: CCB

File: FTF09B Jun 09, 2003 23:40

Analyte	Result	C
ALUMINUM	1.28	B
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	1.95	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-3.10	B
THALLIUM	0.03	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTE20ICW3

Matrix: WATER **SDG Name:** CTO287-2

QC Batch ID: TE20ICW3

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	20.200	U
ANTIMONY	1.330	U
ARSENIC	1.800	U
BARIUM	0.480	U
BERYLLIUM	0.310	U
CADMIUM	3.660	U
CALCIUM	18.700	U
CHROMIUM	0.570	U
COBALT	-0.630	B
COPPER	2.380	U
IRON	6.060	U
LEAD	1.100	B
MAGNESIUM	28.200	U
MANGANESE	0.920	U
NICKEL	11.700	U
POTASSIUM	513.000	U
SELENIUM	2.100	U
SILVER	4.780	U
SODIUM	28.800	B
THALLIUM	0.192	B
VANADIUM	4.700	U
ZINC	1.510	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTF04HGW0

Matrix: WATER **SDG Name:** CTO287-2

QC Batch ID: TF04HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	-0.095	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTF11HGW0

Matrix: WATER **SDG Name:** CTO287-2

QC Batch ID: TF11HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	-0.096	B

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE22A May 22, 2003 11:02

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	492144	98.4
ANTIMONY	0	-2	
ARSENIC	0	-4	
CALCIUM	500000	488146	97.6
CHROMIUM	0	0	
COBALT	0	1	
IRON	200000	195426	97.7
LEAD	5	3	
MAGNESIUM	500000	506350	101.3
SELENIUM	0	-2	

SAMPLE: ICSAB

File: ATE22A May 22, 2003 11:09

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	487643	97.5
ANTIMONY	600	599	99.8
ARSENIC	100	94	94.0
CALCIUM	500000	482166	96.4
CHROMIUM	500	476	95.2
COBALT	500	461	92.2
IRON	200000	193178	96.6
LEAD	54	52	96.3
MAGNESIUM	500000	497811	99.6
SELENIUM	50	45	90.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE22A May 22, 2003 15:06

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	489329	97.9
ANTIMONY	0	0	
ARSENIC	0	-4	
CALCIUM	500000	512775	102.6
CHROMIUM	0	-1	
COBALT	0	0	
IRON	200000	201568	100.8
LEAD	5	4	
MAGNESIUM	500000	514323	102.9
SELENIUM	0	-9	

SAMPLE: ICSAB

File: ATE22A May 22, 2003 15:12

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	479834	96.0
ANTIMONY	600	632	105.3
ARSENIC	100	103	103.0
CALCIUM	500000	499970	100.0
CHROMIUM	500	475	95.0
COBALT	500	460	92.0
IRON	200000	197389	98.7
LEAD	54	55	101.9
MAGNESIUM	500000	500804	100.2
SELENIUM	50	43	86.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE27A May 27, 2003 16:10

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	504070	100.8
ANTIMONY	0	1	
ARSENIC	0	0	
CALCIUM	500000	507272	101.5
CHROMIUM	0	1	
COBALT	0	2	
IRON	200000	205064	102.5
LEAD	5	3	
MAGNESIUM	500000	526261	105.3
SELENIUM	0	-5	

SAMPLE: ICSAB

File: ATE27A May 27, 2003 16:17

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	500527	100.1
ANTIMONY	600	623	103.8
ARSENIC	100	102	102.0
CALCIUM	500000	497894	99.6
CHROMIUM	500	483	96.6
COBALT	500	471	94.2
IRON	200000	201550	100.8
LEAD	54	54	100.0
MAGNESIUM	500000	517658	103.5
SELENIUM	50	41	82.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE27A May 27, 2003 20:14

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	509911	102.0
ANTIMONY	0	1	
ARSENIC	0	2	
CALCIUM	500000	496554	99.3
CHROMIUM	0	1	
COBALT	0	1	
IRON	200000	202685	101.3
LEAD	5	4	
MAGNESIUM	500000	526109	105.2
SELENIUM	0	-5	

SAMPLE: ICSAB

File: ATE27A May 27, 2003 20:20

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	508000	101.6
ANTIMONY	600	632	105.3
ARSENIC	100	104	104.0
CALCIUM	500000	498406	99.7
CHROMIUM	500	488	97.6
COBALT	500	478	95.6
IRON	200000	202951	101.5
LEAD	54	55	101.9
MAGNESIUM	500000	522630	104.5
SELENIUM	50	41	82.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE22C May 22, 2003 17:39

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	510228	102.0
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	6	
CALCIUM	500000	492218	98.4
COPPER	0	-4	
IRON	200000	188633	94.3
MAGNESIUM	500000	516197	103.2
MANGANESE	5	6	
NICKEL	0	2	
POTASSIUM	0	-649	
SILVER	0	-4	
SODIUM	0	11	
VANADIUM	0	-1	
ZINC	9	8	

SAMPLE: ICSAB

File: BTE22C May 22, 2003 17:45

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	509278	101.9
BARIUM	500	488	97.6
BERYLLIUM	500	494	98.8
CADMIUM	1000	966	96.6
CALCIUM	500000	496441	99.3
COPPER	500	469	93.8
IRON	200000	189485	94.7
MAGNESIUM	500000	516854	103.4
MANGANESE	505	490	97.0
NICKEL	1000	925	92.5
POTASSIUM	20000	19638	98.2
SILVER	200	184	92.0
SODIUM	20000	19606	98.0
VANADIUM	500	464	92.8
ZINC	1010	948	93.9

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE22C May 22, 2003 21:02

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	520412	104.1
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	3	
CALCIUM	500000	487320	97.5
COPPER	0	-5	
IRON	200000	189106	94.6
MAGNESIUM	500000	523023	104.6
MANGANESE	5	5	
NICKEL	0	-8	
POTASSIUM	0	-627	
SILVER	0	-4	
SODIUM	0	14	
VANADIUM	0	2	
ZINC	9	8	

SAMPLE: ICSAB

File: BTE22C May 22, 2003 21:07

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	508581	101.7
BARIUM	500	486	97.2
BERYLLIUM	500	487	97.4
CADMIUM	1000	957	95.7
CALCIUM	500000	484048	96.8
COPPER	500	469	93.8
IRON	200000	186510	93.3
MAGNESIUM	500000	513724	102.7
MANGANESE	505	481	95.2
NICKEL	1000	915	91.5
POTASSIUM	20000	19586	97.9
SILVER	200	183	91.5
SODIUM	20000	19699	98.5
VANADIUM	500	458	91.6
ZINC	1010	933	92.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE22C May 23, 2003 00:25

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	522927	104.6
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	3	
CALCIUM	500000	482542	96.5
COPPER	0	-5	
IRON	200000	187963	94.0
MAGNESIUM	500000	523141	104.6
MANGANESE	5	5	
NICKEL	0	12	
POTASSIUM	0	-380	
SILVER	0	-5	
SODIUM	0	17	
VANADIUM	0	0	
ZINC	9	9	

SAMPLE: ICSAB

File: BTE22C May 23, 2003 00:30

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	518878	103.8
BARIUM	500	495	99.0
BERYLLIUM	500	494	98.8
CADMIUM	1000	965	96.5
CALCIUM	500000	483842	96.8
COPPER	500	480	96.0
IRON	200000	187511	93.8
MAGNESIUM	500000	520319	104.1
MANGANESE	505	486	96.2
NICKEL	1000	910	91.0
POTASSIUM	20000	19960	99.8
SILVER	200	187	93.5
SODIUM	20000	20055	100.3
VANADIUM	500	463	92.6
ZINC	1010	939	93.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE24A May 24, 2003 15:44

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	507350	101.5
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	-2	
CALCIUM	500000	499367	99.9
COPPER	0	-3	
IRON	200000	190868	95.4
MAGNESIUM	500000	514379	102.9
MANGANESE	5	7	
NICKEL	0	-1	
POTASSIUM	0	-193	
SILVER	0	-1	
SODIUM	0	9	
VANADIUM	0	2	
ZINC	9	7	

SAMPLE: ICSAB

File: BTE24A May 24, 2003 15:49

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	498625	99.7
BARIUM	500	476	95.2
BERYLLIUM	500	483	96.6
CADMIUM	1000	956	95.6
CALCIUM	500000	492929	98.6
COPPER	500	461	92.2
IRON	200000	188275	94.1
MAGNESIUM	500000	506280	101.3
MANGANESE	505	474	93.9
NICKEL	1000	920	92.0
POTASSIUM	20000	19427	97.1
SILVER	200	184	92.0
SODIUM	20000	20393	102.0
VANADIUM	500	458	91.6
ZINC	1010	940	93.1

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE24A May 24, 2003 19:07

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	513882	102.8
BARIUM	0	1	
BERYLLIUM	0	0	
CADMIUM	0	4	
CALCIUM	500000	497978	99.6
COPPER	0	-3	
IRON	200000	190331	95.2
MAGNESIUM	500000	519927	104.0
MANGANESE	5	6	
NICKEL	0	3	
POTASSIUM	0	-124	
SILVER	0	-1	
SODIUM	0	-10	
VANADIUM	0	-1	
ZINC	9	8	

SAMPLE: ICSAB

File: BTE24A May 24, 2003 19:12

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	511661	102.3
BARIUM	500	486	97.2
BERYLLIUM	500	488	97.6
CADMIUM	1000	971	97.1
CALCIUM	500000	497886	99.6
COPPER	500	475	95.0
IRON	200000	189989	95.0
MAGNESIUM	500000	518112	103.6
MANGANESE	505	480	95.0
NICKEL	1000	943	94.3
POTASSIUM	20000	20329	101.6
SILVER	200	189	94.5
SODIUM	20000	21119	105.6
VANADIUM	500	464	92.8
ZINC	1010	959	95.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: FTF09B Jun 09, 2003 16:17

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	94560	94.6
CALCIUM	100000	102400	102.4
IRON	100000	99240	99.2
MAGNESIUM	100000	95150	95.2
MOLYBDENUM	2000	1985	99.3
POTASSIUM	100000	100600	100.6
SODIUM	100000	95530	95.5
THALLIUM	0	0	

SAMPLE: ICSAB

File: FTF09B Jun 09, 2003 16:25

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	93470	93.5
CALCIUM	100000	99300	99.3
IRON	100000	95140	95.1
MAGNESIUM	100000	94440	94.4
MOLYBDENUM	2000	1914	95.7
POTASSIUM	100000	98550	98.6
SODIUM	100000	94610	94.6
THALLIUM	0	0	

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Concentration Units: ug/L

SAMPLE: ICSA

File: FTF09B Jun 09, 2003 23:09

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	92000	92.0
CALCIUM	100000	99260	99.3
IRON	100000	96360	96.4
MAGNESIUM	100000	93060	93.1
MOLYBDENUM	2000	1945	97.3
POTASSIUM	100000	98020	98.0
SODIUM	100000	92680	92.7
THALLIUM	0	0	

SAMPLE: ICSAB

File: FTF09B Jun 09, 2003 23:16

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	91900	91.9
CALCIUM	100000	99070	99.1
IRON	100000	96350	96.4
MAGNESIUM	100000	92970	93.0
MOLYBDENUM	2000	1917	95.9
POTASSIUM	100000	97710	97.7
SODIUM	100000	92870	92.9
THALLIUM	0	0	

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTE20ICW3

Matrix: WATER **SDG Name:** CTO287-2

QC Batch ID: TE20ICW3

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	2050.26	102.5	80	120
ANTIMONY	500.0	505.58	101.1	80	120
ARSENIC	500.0	490.38	98.1	80	120
BARIUM	2000.0	2096.69	104.8	80	120
BERYLLIUM	50.0	50.35	100.7	80	120
CADMIUM	250.0	241.44	96.6	80	120
CALCIUM	2500.0	2374.25	95.0	80	120
CHROMIUM	200.0	202.59	101.3	80	120
COBALT	500.0	498.42	99.7	80	120
COPPER	250.0	249.08	99.6	80	120
IRON	1000.0	1061.34	106.1	80	120
LEAD	500.0	488.81	97.8	80	120
MAGNESIUM	5000.0	5158.21	103.2	80	120
MANGANESE	500.0	524.68	104.9	80	120
NICKEL	500.0	518.90	103.8	80	120
POTASSIUM	10000.0	9849.43	98.5	80	120
SELENIUM	500.0	472.06	94.4	80	120
SILVER	50.0	49.99	100.0	80	120
SODIUM	7500.0	7688.88	102.5	80	120
THALLIUM	500.0	478.30	95.7	80	120
VANADIUM	500.0	507.30	101.5	80	120
ZINC	500.0	488.71	97.7	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTF04HGW0

Matrix: WATER **SDG Name:** CTO287-2

QC Batch ID: TF04HGW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	4.99	99.8	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTF11HGW0

Matrix: WATER **SDG Name:** CTO287-2

QC Batch ID: TF11HGW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	5.03	100.6	80	120

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	1.33	P
ARSENIC	8.0	1.80	P
CHROMIUM	15	0.57	P
COBALT	30	0.44	P
LEAD	5.0	0.91	P
SELENIUM	10	2.10	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	20.20	P
BARIUM	5.0	0.48	P
BERYLLIUM	5.0	0.31	P
CADMIUM	10	3.66	P
CALCIUM	50	18.70	P
COPPER	25	2.38	P
IRON	100	6.06	P
MAGNESIUM	50	28.20	P
MANGANESE	5.0	0.92	P
NICKEL	40	11.70	P
POTASSIUM	1000	513.00	P
SILVER	15	4.78	P
SODIUM	1000	18.80	P
VANADIUM	25	4.70	P
ZINC	25	1.34	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** D

Instrument Name: LEEMAN MERCURY ANALYZER **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.03	CV

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** F

Instrument Name: AGILENT 7500 ICP-MS **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
THALLIUM	15	0.02	MS

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Instrument ID: TJA TRACE ICP **File Name:** ATE22A

Date: 5/22/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	9:48	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
S1		1	9:59	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
AL_IEC		1	10:08	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
FE_IEC		1	10:15	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
MN_IEC		1	10:22	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
IEC		1	10:28	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICV		1	10:35	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICB		1	10:42	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
PQL		1	10:49	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CRI		1	10:55	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	11:02	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	11:09	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	11:15	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	11:22	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	11:38				
ZZZZZZ		1	11:45				
PBWTE20ICW3		1	11:51	Sb As	Cr Co	Pb	Se
LCSWTE20ICW3		1	11:58	Sb As	Cr Co	Pb	Se
ZZZZZZ		1	12:05				
ZZZZZZ		2	12:11				
ZZZZZZ		1	12:18				
ZZZZZZ		1	12:25				
ZZZZZZ		1	12:32				
ZZZZZZ		1	12:38				
CCV		1	12:45	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	12:52	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	12:58				
ZZZZZZ		1	13:05				
ZZZZZZ		1	13:12				
ZZZZZZ		1	13:18				
ZZZZZZ		1	13:25				
ZZZZZZ		1	13:32				
ZZZZZZ		1	13:38				
ZZZZZZ		5	13:45				
ZZZZZZ		5	13:52				
ZZZZZZ		5	13:58				
CCV		1	14:05	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	14:12	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		5	14:19				
ZZZZZZ		5	14:25				
ZZZZZZ		1	14:32				
ZZZZZZ		1	14:39				
ZZZZZZ		1	14:46				
ZZZZZZ		1	14:52				
CRI		1	14:59	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	15:06	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	15:12	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	15:19	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	15:26	Al Sb As	Ca Cr Co	Fe Pb Mg	Se

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Instrument ID: TJA TRACE ICP **File Name:** ATE27A

Date: 5/27/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	15:00	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
S1		1	15:07	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
AL_IEC		1	15:17	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
FE_IEC		1	15:23	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
MN_IEC		1	15:30	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
IEC		1	15:37	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICV		1	15:44	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICB		1	15:50	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
PQL		1	15:57	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CRI		1	16:04	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	16:10	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	16:17	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	16:24	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	16:31	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	16:37				
ZZZZZZ		1	16:44				
ZZZZZZ		1	16:51				
WT1128-001	10GLM04R01	2	16:57	As			
WT1128-003	10GLM05DR01	1	17:04	As			
WT1128-005	10GLM0202	1	17:11	As			
WT1128-007	10GLM0801	1	17:18	As			
WT1128-009	10GLMRL051403	1	17:26	As			
WT1128-011	03GLM0202	1	17:32	Sb As	Cr Co	Pb	Se
WT1147-001	13GLM02D02	1	17:39	As			
CCV		1	17:46	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	17:53	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
WT1147-003	13GLM02S02	1	17:59	As			
WT1147-005	13GLM0202	1	18:06	As			
WT1147-007	03GLM0302	1	18:13	Sb As	Cr Co	Pb	Se
WT1147-009	13GLM09I02	1	18:19	As			
WT1147-011	13GLM09S02	1	18:26	As			
WT1147-013	13RL051503	1	18:33	As			
WT1147-016	13GLM05S02	1	18:39	As			
ZZZZZZ		1	18:46				
ZZZZZZ		1	18:53				
ZZZZZZ		1	19:00				
CCV		1	19:06	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	19:13	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ZZZZZZ		1	19:20				
ZZZZZZ		1	19:27				
ZZZZZZ		1	19:33				
ZZZZZZ		1	19:40				
ZZZZZZ		1	19:47				
ZZZZZZ		1	19:53				
ZZZZZZ		1	20:00				
CRI		1	20:07	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSA		1	20:14	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
ICSAB		1	20:20	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCV		1	20:27	Al Sb As	Ca Cr Co	Fe Pb Mg	Se
CCB		1	20:34	Al Sb As	Ca Cr Co	Fe Pb Mg	Se

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Instrument ID: TJA 61 ICP **File Name:** BTE22C

Date: 5/22/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements							
S0		1	16:47	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
S1		1	16:53	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
AL IEC		1	16:59	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
FE IEC		1	17:07	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
ICV		1	17:15	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
ICB		1	17:21	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
PQL		1	17:28	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
CRI		1	17:33	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
ICSA		1	17:39	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
ICSAB		1	17:45	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
CCV		1	17:50	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
CCB		1	17:56	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
ZZZZZZ		1	18:02								
ZZZZZZ		1	18:07								
ZZZZZZ		1	18:13								
ZZZZZZ		1	18:18								
ZZZZZZ		1	18:24								
ZZZZZZ		1	18:30								
ZZZZZZ		1	18:35								
ZZZZZZ		1	18:41								
ZZZZZZ		5	18:47								
ZZZZZZ		1	18:52								
CCV		1	18:58	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
CCB		1	19:04	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
ZZZZZZ		1	19:09								
ZZZZZZ		1	19:15								
ZZZZZZ		5	19:20								
ZZZZZZ		1	19:26								
ZZZZZZ		1	19:32								
ZZZZZZ		1	19:37								
ZZZZZZ		1	19:43								
ZZZZZZ		1	19:49								
ZZZZZZ		1	19:54								
ZZZZZZ		1	20:00								
CCV		1	20:05	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
CCB		1	20:11	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
ZZZZZZ		1	20:17								
ZZZZZZ		1	20:22								
ZZZZZZ		1	20:28								
ZZZZZZ		1	20:34								
ZZZZZZ		1	20:39								
ZZZZZZ		1	20:45								
ZZZZZZ		1	20:51								
CRI		1	20:56	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
ICSA		1	21:02	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
ICSAB		1	21:07	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
CCV		1	21:13	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
CCB		1	21:19	Al	Ba Be	Cd Ca	Cu Fe	Mg Mn	Ni K	Ag Na	V Zn
ZZZZZZ		1	21:24								
ZZZZZZ		1	21:30								

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: CTO287-2

Instrument ID: TJA 61 ICP

File Name: BTE22C

Date: 5/22/03

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements								
ZZZZZZ		1	21:36									
ZZZZZZ		5	21:41									
ZZZZZZ		1	21:47									
ZZZZZZ		1	21:53									
ZZZZZZ		1	21:58									
ZZZZZZ		1	22:04									
ZZZZZZ		1	22:09									
ZZZZZZ		1	22:15									
CCV		1	22:21	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn
CCB		1	22:26	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn
ZZZZZZ		1	22:32									
ZZZZZZ		1	22:38									
ZZZZZZ		1	22:43									
ZZZZZZ		1	22:49									
ZZZZZZ		1	22:55									
ZZZZZZ		1	23:00									
ZZZZZZ		5	23:06									
ZZZZZZ		1	23:12									
ZZZZZZ		1	23:17									
ZZZZZZ		1	23:23									
CCV		1	23:28	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn
CCB		1	23:34	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn
ZZZZZZ		5	23:40									
ZZZZZZ		1	23:45									
ZZZZZZ		1	23:51									
ZZZZZZ		1	23:57									
PBWTE20ICW3		1	0:02	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn
LCSWTE20ICW3		1	0:08	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn
ZZZZZZ		5	0:14									
CRI		1	0:19	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn
ICSA		1	0:25	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn
ICSAB		1	0:30	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn
CCV		1	0:36	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn
CCB		1	0:42	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn

Lab Sample ID	Elements											
CCV	Ni	K	Ag	Na	V	Zn						
CCB	Ni	K	Ag	Na	V	Zn						
CCV	Ni	K	Ag	Na	V	Zn						
CCB	Ni	K	Ag	Na	V	Zn						
PBWTE20ICW3	Ni	K	Ag	Na	V	Zn						
LCSWTE20ICW3	Ni	K	Ag	Na	V	Zn						
CRI	Ni	K	Ag	Na	V	Zn						
ICSA	Ni	K	Ag	Na	V	Zn						
ICSAB	Ni	K	Ag	Na	V	Zn						
CCV	Ni	K	Ag	Na	V	Zn						
CCB	Ni	K	Ag	Na	V	Zn						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Instrument ID: TJA 61 ICP **File Name:** BTE24A

Date: 5/24/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
S0		1	14:53	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
S1		1	14:59	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
AL_IEC		1	15:05	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
FE_IEC		1	15:13	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICV		1	15:21	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICB		1	15:27	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
PQL		1	15:33	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CRI		1	15:38	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICSA		1	15:44	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICSAB		1	15:49	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCV		1	15:55	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCB		1	16:01	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
WT1128-001	10GLM04R01	1	16:06					Ca			Mg	Mn	K Na
WT1128-003	10GLM05DR01	1	16:12					Ca			Mg	Mn	K Na
WT1128-005	10GLM0202	1	16:18					Ca			Mg	Mn	K Na
WT1128-007	10GLM0801	1	16:23					Ca			Mg	Mn	K Na
WT1128-009	10GLMRL051403	1	16:29					Ca			Mg	Mn	K Na
WT1128-011	03GLM0202	1	16:35	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
WT1147-001	13GLM02D02	1	16:40					Ca			Mg	Mn	K Na
WT1147-003	13GLM02S02	1	16:46					Ca			Mg	Mn	K Na
WT1147-005	13GLM0202	1	16:51					Ca			Mg	Mn	K Na
WT1147-007	03GLM0302	1	16:57	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCV		1	17:03	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCB		1	17:08	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
WT1147-009	13GLM09I02	1	17:14					Ca			Mg	Mn	K Na
WT1147-011	13GLM09S02	1	17:20					Ca			Mg	Mn	K Na
WT1147-013	13RL051503	1	17:25					Ca			Mg	Mn	K Na
WT1147-016	13GLM05S02	1	17:31					Ca			Mg	Mn	K Na
ZZZZZZ		1	17:37										
ZZZZZZ		1	17:42										
ZZZZZZ		1	17:48										
ZZZZZZ		1	17:53										
ZZZZZZ		1	17:59										
ZZZZZZ		1	18:05										
CCV		1	18:10	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCB		1	18:16	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ZZZZZZ		1	18:22										
ZZZZZZ		1	18:27										
ZZZZZZ		1	18:33										
ZZZZZZ		1	18:39										
ZZZZZZ		5	18:44										
ZZZZZZ		1	18:50										
ZZZZZZ		1	18:55										
CRI		1	19:01	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICSA		1	19:07	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
ICSAB		1	19:12	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCV		1	19:18	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn
CCB		1	19:24	Al	Ba	Be	Cd	Ca	Cu	Fe	Mg	Mn	Ni K Ag Na V Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Instrument ID: LEEMAN MERCURY AN **File Name:** DTF04B

Date: 6/4/03 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Std1		1	15:06	Hg
Std2		1	15:09	Hg
Std3		1	15:12	Hg
Std4		1	15:15	Hg
Std5		1	15:18	Hg
Std6		1	15:22	Hg
ICV		1	15:25	Hg
ICB		1	15:29	Hg
CRA		1	15:32	Hg
LCSWTF04HGW0		1	15:35	Hg
PBWTF04HGW0		1	15:38	Hg
ZZZZZZ		1	15:41	
ZZZZZZ		1	15:44	
ZZZZZZ		1	15:47	
ZZZZZZ		1	15:50	
ZZZZZZ		1	15:53	
ZZZZZZ		1	15:56	
ZZZZZZ		1	15:59	
CCV		1	16:02	Hg
CCB		1	16:06	Hg
ZZZZZZ		1	16:09	
ZZZZZZ		1	16:12	
ZZZZZZ		1	16:15	
ZZZZZZ		1	16:18	
ZZZZZZ		1	16:21	
ZZZZZZ		1	16:24	
ZZZZZZ		1	16:27	
ZZZZZZ		1	16:30	
ZZZZZZ		1	16:33	
ZZZZZZ		1	16:36	
CCV		1	16:39	Hg
CCB		1	16:43	Hg
ZZZZZZ		1	16:46	
ZZZZZZ		1	16:49	
ZZZZZZ		1	16:52	
WT1147-007	03GLM0302	1	16:55	Hg
ZZZZZZ		1	16:57	
ZZZZZZ		1	17:00	
ZZZZZZ		1	17:03	
ZZZZZZ		1	17:07	
ZZZZZZ		1	17:10	
ZZZZZZ		1	17:13	
CCV		1	17:16	Hg
CCB		1	17:19	Hg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Instrument ID: LEEMAN MERCURY AN **File Name:** DTF11A

Date: 6/11/03 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Std1		1	16:52	Hg
Std2		1	16:55	Hg
Std3		1	16:58	Hg
Std4		1	17:01	Hg
Std5		1	17:04	Hg
Std6		1	17:08	Hg
ICV		1	17:11	Hg
ICB		1	17:15	Hg
CRA		1	17:18	Hg
LCSWTF11HGW0		1	17:21	Hg
PBWTF11HGW0		1	17:24	Hg
WT1128-011	03GLM0202	1	17:27	Hg
ZZZZZZ		1	17:30	
ZZZZZZ		1	17:33	
ZZZZZZ		1	17:36	
ZZZZZZ		1	17:39	
ZZZZZZ		1	17:42	
ZZZZZZ		1	17:45	
CCV		1	17:48	Hg
CCB		1	17:52	Hg

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FTF09B

Date: 6/9/03 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements						
Cal Blank		1	14:44	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 1		1	14:52	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 2		1	15:00	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 3		1	15:08	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 4		1	15:15	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	15:23	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICV		1	15:31	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICB		1	15:38	Al	Ca	Fe	Mg	Mo	K	Na	Tl
PQL		1	15:46	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		1	15:54								
Blank		1	16:02	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CRI		5	16:09	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSA		1	16:17	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSAB		1	16:25	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	16:33	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCV		1	16:40	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	16:48	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	16:56								
ZZZZZZ		5	17:04								
ZZZZZZ		5	17:11								
ZZZZZZ		5	17:19								
ZZZZZZ		5	17:27								
ZZZZZZ		5	17:35								
ZZZZZZ		10	17:42								
ZZZZZZ		1	17:50								
ZZZZZZ		5	17:58								
ZZZZZZ		5	18:06								
CCV		1	18:13	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	18:21	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	18:29								
ZZZZZZ		25	18:37								
ZZZZZZ		10	18:44								
ZZZZZZ		10	18:52								
ZZZZZZ		1	19:00								
ZZZZZZ		5	19:08								
PBWTE20ICW3		5	19:15								
LCSWTE20ICW3		10	19:23								Tl
ZZZZZZ		1	19:31								Tl
ZZZZZZ		10	19:39								
CCV		1	19:47	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	19:54	Al	Ca	Fe	Mg	Mo	K	Na	Tl
WT1128-011	03GLM0202	5	20:02								Tl
WT1147-007	03GLM0302	5	20:10								Tl
ZZZZZZ		5	20:18								
ZZZZZZ		5	20:25								
ZZZZZZ		10	20:33								
ZZZZZZ		10	20:41								
ZZZZZZ		10	20:49								
ZZZZZZ		1	20:57								
ZZZZZZ		5	21:04								

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-2

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FTF09B

Date: 6/9/03 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements						
ZZZZZZ		25	21:12							
CCV		1	21:20	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	21:28	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	21:35							
ZZZZZZ		10	21:43							
ZZZZZZ		1	21:51							
ZZZZZZ		5	21:59							
ZZZZZZ		25	22:07							
ZZZZZZ		10	22:14							
ZZZZZZ		10	22:22							
ZZZZZZ		1	22:30							
ZZZZZZ		5	22:38							
CCV		1	22:45	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	22:53	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CRI		5	23:01	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSA		1	23:09	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSAB		1	23:16	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	23:24	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCV		1	23:32	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	23:40	Al	Ca	Fe	Mg	Mo	K	Na	Tl

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-2

Parameter: Chloride

QC Batch Id: TE23WL10
Anal Method: EPA 325.2
Prep Method: N/A
Associated Samples:

Anal Date: 05/22/03
Prep Date: N/A

Blank Result: U2.0mg/L
Pql: 2.0mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
13GLM02D02	WT1147-1	05/22/03
13GLM02D02	WT1147-1 DUP	05/22/03
13GLM02D02	WT1147-1 MS	05/22/03
13GLM09S02	WT1147-11	05/22/03
13GLM05S02	WT1147-16	05/22/03
13GLM05I02	WT1147-18	05/22/03
13GLM02S02	WT1147-3	05/22/03
13GLM0202	WT1147-5	05/22/03
13GLM09I02	WT1147-9	05/22/03

QC Batch Id: TE23WL9
Anal Method: EPA 325.2
Prep Method: N/A
Associated Samples:

Anal Date: 05/22/03
Prep Date: N/A

Blank Result: U2.0mg/L
Pql: 2.0mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
10GLM04R01	WT1128-1	05/22/03
10GLM05DR01	WT1128-3	05/22/03
10GLM0202	WT1128-5	05/22/03
10GLM0202	WT1128-5 DUP	05/22/03
10GLM0202	WT1128-5 MS	05/22/03
10GLM0801	WT1128-7	05/22/03

Parameter: Cyanide

QC Batch Id: TE28WL8
Anal Method: SW846 M9012A
Prep Method: SW846 9012
Associated Samples:

Anal Date: 05/27/03
Prep Date: 05/25/03

Blank Result: U10mg/L
Pql: 10mg/L

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-2

Parameter: Cyanide

QC Batch Id: TE28WL8
Anal Method: SW846 M9012A
Prep Method: SW846 9012

Anal Date: 05/27/03
Prep Date: 05/25/03

Blank Result: U10mg/L
Pql: 10mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/27/03
LABQC	MBLANK	05/27/03
03GLM0202	WT1128-11	05/27/03
03GLM0302	WT1147-7	05/27/03

Parameter: Nitrate As N

QC Batch Id: TE19WL6
Anal Method: EPA 353.2
Prep Method: N/A
Associated Samples:

Anal Date: 05/16/03
Prep Date: N/A

Blank Result: U0.050mg/L
Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/16/03
LABQC	MBLANK	05/16/03
10GLM04R01	WT1128-1	05/16/03
10GLM05DR01	WT1128-3	05/16/03
10GLM0202	WT1128-5	05/16/03
10GLM0202	WT1128-5 DUP	05/16/03
10GLM0202	WT1128-5 MS	05/16/03
10GLM0801	WT1128-7	05/16/03

QC Batch Id: TE22WL4
Anal Method: EPA 353.2
Prep Method: N/A
Associated Samples:

Anal Date: 05/16/03
Prep Date: N/A

Blank Result: U0.050mg/L
Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/16/03
LABQC	MBLANK	05/16/03
13GLM02D02	WT1147-1	05/16/03
13GLM09S02	WT1147-11	05/16/03
13GLM05S02	WT1147-16	05/16/03
13GLM05S02	WT1147-16 DUP	05/16/03
13GLM05S02	WT1147-16 MS	05/16/03

Katahdin
ANALYTICAL SERVICES

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Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-2

Parameter: Nitrate As N

QC Batch Id: TE22WL4
Anal Method: EPA 353.2
Prep Method: N/A

Anal Date: 05/16/03
Prep Date: N/A

Blank Result: U0.050mg/L
Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
13GLM02S02	WT1147-3	05/16/03
13GLM0202	WT1147-5	05/16/03
13GLM09I02	WT1147-9	05/16/03

QC Batch Id: TE30WL8
Anal Method: EPA 353.2
Prep Method: N/A
Associated Samples:

Anal Date: 05/29/03
Prep Date: N/A

Blank Result: U0.050mg/L
Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/29/03
LABQC	MBLANK	05/29/03
13GLM05I02	WT1147-18	05/29/03

Parameter: Nitrate+Nitrite As N

QC Batch Id: TE29WL5
Anal Method: EPA 353.2
Prep Method: N/A
Associated Samples:

Anal Date: 05/28/03
Prep Date: N/A

Blank Result: U0.050mg/L
Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/28/03
LABQC	MBLANK	05/28/03
13GLM05I02	WT1147-18	05/28/03

Parameter: Nitrite As N

QC Batch Id: TE19WL7
Anal Method: EPA 353.2
Prep Method: N/A
Associated Samples:

Anal Date: 05/16/03
Prep Date: N/A

Blank Result: U0.050mg/L
Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/16/03
LABQC	MBLANK	05/16/03

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-2

Parameter: Nitrite As N

QC Batch Id: TE19WL7
Anal Method: EPA 353.2 | Anal Date: 05/16/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
10GLM04R01	WT1128-1	05/16/03
10GLM05DR01	WT1128-3	05/16/03
10GLM0202	WT1128-5	05/16/03
10GLM0202	WT1128-5 DUP	05/16/03
10GLM0202	WT1128-5 MS	05/16/03
10GLM0801	WT1128-7	05/16/03

QC Batch Id: TE22WL6
Anal Method: EPA 353.2 | Anal Date: 05/16/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/16/03
LABQC	MBLANK	05/16/03
13GLM02D02	WT1147-1	05/16/03
13GLM09S02	WT1147-11	05/16/03
13GLM05S02	WT1147-16	05/16/03
13GLM05S02	WT1147-16 DUP	05/16/03
13GLM05S02	WT1147-16 MS	05/16/03
13GLM02S02	WT1147-3	05/16/03
13GLM0202	WT1147-5	05/16/03
13GLM09I02	WT1147-9	05/16/03

QC Batch Id: TE30WL10
Anal Method: EPA 353.2 | Anal Date: 05/29/03 | Blank Result: U0.050mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/29/03
LABQC	MBLANK	05/29/03
13GLM05I02	WT1147-18	05/29/03

Parameter: Sulfate-Turbidimetric

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Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-2

Parameter: Sulfate-Turbidimetric

QC Batch Id: TE23WL23
Anal Method: EPA 375.4 | Anal Date: 05/22/03 | Blank Result: U1.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
10GLM05DR01	WT1128-3	05/22/03

QC Batch Id: TE24WL1
Anal Method: EPA 375.4 | Anal Date: 05/22/03 | Blank Result: U1.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
10GLM04R01	WT1128-1	05/22/03
10GLM0202	WT1128-5	05/22/03
10GLM0801	WT1128-7	05/22/03
13GLM02D02	WT1147-1	05/22/03
13GLM02D02	WT1147-1 DUP	05/22/03
13GLM02D02	WT1147-1 MS	05/22/03
13GLM05S02	WT1147-16	05/22/03
13GLM05I02	WT1147-18	05/22/03
13GLM02S02	WT1147-3	05/22/03
13GLM0202	WT1147-5	05/22/03
13GLM09I02	WT1147-9	05/22/03

QC Batch Id: TE24WL2
Anal Method: EPA 375.4 | Anal Date: 05/22/03 | Blank Result: U1.0mg/L
Prep Method: N/A | Prep Date: N/A | Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
13GLM09S02	WT1147-11	05/22/03

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-2

Parameter: Total Organic Carbon

QC Batch Id: TF04WL7
Anal Method: EPA 415.1
Prep Method: NA
Associated Samples:

Anal Date: 06/03/03
Prep Date:

Blank Result: J0.4922mg/L
Pql: 1.0mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/03/03
LABQC	LCSD	06/03/03
LABQC	MBLANK	06/03/03
10GLM04R01	WT1128-1	06/04/03
10GLM05DR01	WT1128-3	06/04/03
10GLM0202	WT1128-5	06/04/03
10GLM0801	WT1128-7	06/04/03

QC Batch Id: TF06WL10
Anal Method: EPA 415.1
Prep Method: NA
Associated Samples:

Anal Date: 06/05/03
Prep Date:

Blank Result: J0.4367mg/L
Pql: 1.0mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/05/03
LABQC	LCSD	06/05/03
LABQC	MBLANK	06/05/03
13GLM02D02	WT1147-1	06/05/03
13GLM09S02	WT1147-11	06/05/03
13GLM05S02	WT1147-16	06/05/03
13GLM05I02	WT1147-18	06/05/03
13GLM02S02	WT1147-3	06/05/03
13GLM0202	WT1147-5	06/05/03
13GLM09I02	WT1147-9	06/05/03

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Report

Company Tetra Tech NUS, Inc.
Sdg CTO287-2

Qc Batch Id	Anal Date	Prep Date	Units	Spike Amount	Result	Recovery (%)	Recovery Acceptance Range
Parameter: Chloride							
TE23WL10	05/22/03	N/A	mg/L	35.0	34	98	80-120
TE23WL9	05/22/03	N/A	mg/L	35.0	34	98	80-120
Parameter: Cyanide							
TE28WL8	05/27/03	05/25/03	mg/L	200	U10	92	80-120
Parameter: Nitrate As N							
TE19WL6	05/16/03	N/A	mg/L	1.00	0.95	95	80-120
TE22WL4	05/16/03	N/A	mg/L	1.00	0.96	96	80-120
TE30WL8	05/29/03	N/A	mg/L	1.00	0.96	96	80-120
Parameter: Nitrate+Nitrite As N							
TE29WL5	05/28/03	N/A	mg/L	1.00	0.97	97	80-120
Parameter: Nitrite As N							
TE19WL7	05/16/03	N/A	mg/L	1.00	1.1	108	80-120
TE30WL10	05/29/03	N/A	mg/L	1.00	1.1	109	80-120
Parameter: Sulfate-Turbidimetric							
TE23WL23	05/22/03	N/A	mg/L	15.0	13	89	80-120
TE24WL1	05/22/03	N/A	mg/L	15.0	13	89	80-120
TE24WL2	05/22/03	N/A	mg/L	15.0	13	85	80-120
Parameter: pH(Laboratory)							
TE22WL6	05/16/03	N/A	mg/L	1.00	1.0	106	80-120

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Duplicate Report

Company Tetra Tech NUS, Inc.
Sdg CTO287-2

Qc Batch Id	Anal Date	Prep Date	Units	Spike Amount LCS	Spike Amount LCSD	Result LCS	Result LCSD	Recovery (%) LCS	Recovery (%) LCSD	Recovery Acceptance Range	RPD	RPD Criteri
Parameter: Total Organic Carbon												
TF04WL7	06/03/03		mg/L	50.0	50.0	50	50	99	99	80-120	0	20
TF06WL10	06/05/03		mg/L	50.0	50.0	49	49	97	97	80-120	0	20

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ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Matrix Spike Report

Company: Tetra Tech NUS, Inc.
Sdg: CTO287-2

Sample	Anal Date	Result	Units	Spike Level	Result	Recovery (%)	Acceptance Range
Parameter: Chloride							
WT1128-5	05/22/03	4	mg/L	50.0	55	101	75-125
WT1147-1	05/22/03	6.8	mg/L	50.0	58	102	75-125
Parameter: Nitrate As N							
WT1128-5	05/16/03	0.63	mg/L	0.500	1.0	82	75-125
WT1147-16	05/16/03	0.18	mg/L	0.500	0.65	94	75-125
Parameter: Nitrite As N							
WT1128-5	05/16/03	U0.050	mg/L	0.500	0.48	98	80-120
WT1147-16	05/16/03	U0.050	mg/L	0.500	0.53	108	80-120
Parameter: Sulfate-Turbidimetric							
WT1147-1	05/22/03	14	mg/L	5.00	19	95	75-125

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Sample Duplicate Report

Client: Tetra Tech NUS, Inc.
Sdg: CTO287-2

Sample	Anal Date	Units	Native Result	Duplicate Result	RPD	Criteria (%)
Chloride						
WT1128-5	05/22/03	mg/L	4	4	4	20
WT1147-1	05/22/03	mg/L	6.8	6.7	2	20
Nitrate As N						
WT1128-5	05/16/03	mg/L	0.63	0.63	0	20
WT1147-16	05/16/03	mg/L	0.18	0.18	0	20
Nitrite As N						
WT1128-5	05/16/03	mg/L	U0.050	U0.050	NC	20
WT1147-16	05/16/03	mg/L	U0.050	U0.050	NC	20
Sulfate-Turbidimetric						
WT1147-1	05/22/03	mg/L	14	15	3	20

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Metals Sample Calculation

Sample: 03GCM0202 (WT1128-011)

Arsenic result of 13.1 ug/L

As average response = 0.01311 mg/L

$$\text{Conc} = 0.01311\ \text{mg/L} * \left(\frac{\text{Final Volume}}{\text{Initial Volume}}\right)$$

$$\text{Conc} = 0.01311\ \text{mg/L} * \frac{1000\ \text{ug}}{1\ \text{mg}} * \left(\frac{0.1\ \text{L}}{0.1\ \text{L}}\right)$$

$$\text{Conc} = 13.11\ \text{ug/L} \approx 13.1\ \text{ug/L}$$

Misc. Sample Calculations

Sample: 13GLM0202 (WT1147-5)
Results: 28 mg/L TOC

(TOC Mean Area WT1147-5) = 352.9

TOC Response = (Conc. mg/L)(12.82)

352.9 = Conc * 12.82

Concentration = $\frac{352.9}{12.82}$ = 27.5 mg/L ≈ 28 mg/L

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**JULY 30, 2003**
FROM:	**MICHAEL T. AKERS**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOC, SVOC, PAH, PEST/PCB, and Dissolved Gases**
CTO 287, CSS PANAMA CITY
SDG 2872

SAMPLES: 15 / Aqueous / VOC / SVOC / PAH

03GLM0202*^	03GLM0302^	10GLM0202
10GLM04R01*	10GLM05DR01*	10GLM0801*
10GLMRL051403	13GLM0202*	13GLM02D02*
13GLM02S02*	13GLM05I02*	13GLM05S02*
13GLM09I02*	13GLM09S02*	13RL051503

OVERVIEW

The sample set for CTO 287; CSS Panama City, SDG 2872 consists of fifteen (15) aqueous environmental samples analyzed for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and Polycylic Aromatic Hydrocarbons (PAHs). The samples denoted with an asterisk (*) were also analyzed for Dissolved Gases (methane, ethane, and ethene). The samples denoted with a carrot (^) were also analyzed for Pesticides/Polychlorinated Biphenyls (PCBs).

The samples were collected by TetraTech NUS on May 14th and 15th, 2003 and analyzed by Katahdin Analytical Services and Air Toxics. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW846 Methods 8260B, 8270C, 8270 SIM, 8081A, 8082, and RSK SOP 147/175 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

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

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

VOC

An initial calibration Percent relative standard deviation (%RSD) exceeded the 25% quality control limit for methy tert-butyl ether (MTBE) on instrument GCMS-F on 5/23/03. Only non-detected results were reported for MTBE and these were qualified as estimated (UJ) in all associated aqueous samples.

Calibration verification Percent differences (%Ds) exceeded the 25% quality control limit for 1,2-dibromo-3-chloropropane and MTBE on instrument GCMS-F, at 0957, on 5/25/03. Only non-detected results were reported for the aforementioned compounds and these were qualified as estimated (UJ) in all associated aqueous samples.

Calibration verification %Ds exceeded the 25% quality control limit for acetone, MTBE, carbon tetrachloride, 2-butanone, and methyl acetate on instrument GCMS-F, at 1155, on 5/27/03. Only non-detected results were reported for these compounds and were qualified as estimated (UJ) in all associated aqueous samples.

The following compounds were detected in the aqueous laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration (µg/L)	Action Level (µg/L)
Methylene chloride	0.70	7.0
1,2,4-Trichlorobenzene	0.50	2.5
Ethylbenzene	0.20	1.0
m&p-Xylenes	0.40	2.0
o-Xylene	0.20	1.0
Isopropylbenzene	0.20	1.0
1,3-Dichlorobenzene	0.40	2.0
1,4-Dichlorobenzene	0.50	2.5
1,2-Dichlorobenzene	0.40	2.0
1,2-Dibromo-3-chloropropane	2.0	10
1,2,4-Trichlorobenzene	1.0	5.0

An action level of 5X the maximum detected concentration was established for evaluating blank contamination for all detected compounds except for methylene chloride where 10X the maximum concentration was utilized.

Blank Actions

- Value < Reporting Limit (RL); report RL followed by a U.
- Value > RL and < Action level, report value followed by a U.

Multiple analytes detected in the aqueous laboratory method blank were also detected in multiple samples and were qualified according the blank actions stated above.

Acetone and 2-butanone were recovered below the 60%-140% quality control limit for the Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis of sample 13GLM02S02 on 5/27/03. MTBE was recovered below the 60%-140% quality control limit for the Matrix Spike analysis of sample 13GLM02S02. Relative Percent Difference (RPD) for MTBE exceeded the 20% quality control limit for the MS/MSD analysis of sample 13GLM02S02. The non-detected results for the aforementioned compounds have been qualified as estimated (UJ) for sample 13GLM02S02.

SVOC

Samples 13GLM02S02, 13GLM0202, 13GLM0302, and 13GLM09I02 had multiple internal standards outside of the -50% - +100% quality control limit. All analytes associated with the internal standards outside of QC limits have been qualified as estimated (J) for positive detections and estimated non-detect (UJ) for non-detections in all affected samples. It should also be noted that these samples were associated with the laboratory method blank "WG2353-BLANK" which had multiple surrogates outside of QC limits. These samples were re-extracted out of hold on 6/18/03 and analyzed on 6/21/03. The results from the out of hold analyses were additionally reported by the laboratory and were consistent with the low internal standard analyses analyzed within recommended holding time. The re-extracted, out-of-hold analyses did exhibit passing surrogates and internal standards, however for data validation purposes, the original in-hold analyses have been retained, qualified, and selected as the most reliable data.

2-Fluorophenol and 2,4,6-tribromophenol surrogates exhibited recovery below quality control criteria for the analysis of sample 10GLM05DR01. This sample was neither re-extracted nor re-analyzed, therefore the associated acid fraction analytes have been rejected (R) based on this surrogate non-compliance.

2-Fluorophenol surrogate exhibited extremely low recovery (<10%) for the analysis of sample 03GLM0202. This sample was neither re-extracted nor re-analyzed, therefore the associated acid fraction analytes have been rejected (R) based on this surrogate non-compliance.

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dintrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, and benzaldehyde on instrument GCMS-K, at 1807, on 6/09/03. No positive detections were reported and all non-detected results have been qualified as estimated (UJ) in the affected samples.

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dintrophenol, 4,6-dinitro-2-methylphenol, benzaldehyde, and atrazine on instrument GCMS-K, at 1602, on 6/10/03. No positive detections were reported and all non-detected results have been qualified as estimated (UJ) in the affected samples.

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dintrophenol, 4,6-dinitro-2-methylphenol, and benzaldehyde on instrument GCMS-K, at 1231, on 6/11/03. No positive detections were reported and all non-detected results have been qualified as estimated (UJ) in the affected samples.

PESTICIDE/PCB

See additional comments section.

PAH

Calibration verification %Ds exceeded the 25% quality control limit for naphthalene, and 2-methylnaphthalene on instrument GCMS-X, at 1513, on 6/10/03.

Calibration verification %Ds exceeded the 25% quality control limit for naphthalene, and 2-methylnaphthalene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene on instrument GCMS-X, at 1416, on 6/11/03. The only sample associated with this calibration verification was 10GLM04R01. No positive results were reported for sample 10GLM04R01. The aforementioned analytes have been qualified as estimated (UJ) in the affected aqueous sample.

Calibration verification %Ds exceeded the 25% quality control limit for naphthalene, and 2-methylnaphthalene on instrument GCMS-X, at 1129, on 6/13/03. No positive detections were reported for affected samples 10GLM0202 and 10GLM05DR01. Naphthalene and 2-methylnaphthalene were qualified as estimated (UJ) in these two samples. 2-Methylnaphthalene was qualified as estimated (UJ) and the positive detection for naphthalene was qualified as estimated (J) in sample 10GLM0801.

Calibration verification %Ds exceeded the 25% quality control limit for naphthalene, 2-methylnaphthalene, benzo(a)anthracene, and benzo(k)fluoranthene on instrument GCMS-X, at 1003, on 6/14/03. Only sample 13GLM09S02 was associated with this calibration verification. Undetected results for benzo(a)anthracene and benzo(k)fluoranthene were qualified as estimated (UJ). Positive results for 2-methylnaphthalene and naphthalene were qualified as estimated (J) in the affected sample.

OVG GASES

The units on the Form I's don't match the EDD. The results on the Form I's are reported as µg/mL and the EDD is reported as µg/L. The Validator corrected the results in the database to show the corrected converted value in µg/L.

Additional Comments

Positive results less than sample reporting limits (but greater than sample method detection limits) were qualified as estimated (J) due to uncertainty near the detection limit.

VOC surrogate 1,2-dichloroethane-d4 exhibited high recovery in the analysis of sample 13GLM05I02. No positive detections were reported; therefore the data required no qualification.

MTBE exhibited high recovery above quality control limits for the analysis of the laboratory control sample (LCS) analyzed on 5/25/03. No data qualifications have been made since no positive detections were reported for MTBE and all non-detects have been qualified as estimated due to initial calibration non-compliance.

Calibration verification %D exceeded the 25% quality control limit for benzaldehyde on instrument GCMS-K, at 1635, on 5/27/03. The only sample associated with this SDG that was affected was the laboratory control sample (LCS) analyzed on 5/27/03, therefore no data qualifications have been made.

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dintrophenol, 4,6-dinitro-2-methylphenol, and benzaldehyde on instrument GCMS-K, at 1326, on 6/05/03. The only sample associated with this SDG that was affected was the laboratory control sample duplicate analyzed 06/05/03, therefore no data qualifications have been made.

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dintrophenol, 2,4-dinitrotoluene, 4,6-dinitro-2-methylphenol, benzaldehyde , and atrazine on instrument GCMS-K, at 1454, on 6/21/03. Since this calibration verification is only associated with the un-validated, out-of-hold, and re-extracted samples, no data qualification have been made based upon this calibration non-compliance.

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dintrophenol, 2,4-dinitrotoluene, 4,6-dinitro-2-methylphenol, benzaldehyde, and atrazine on instrument GCMS-K, at 0131, on 6/22/03. Since this calibration verification is only associated with the un-validated, out-of-hold, and re-extracted samples, no data qualification have been made based upon this calibration non-compliance.

Calibration verification %Ds exceeded the 25% quality control limit for 2,4-dintrophenol, 4,6-dinitro-2-methylphenol, benzaldehyde, and atrazine on instrument GCMS-K, at 1207, on 6/23/03. Since this calibration verification is only associated with the un-validated, out-of-hold, and re-extracted samples, no data qualification have been made based upon this calibration non-compliance.

2-Fluorophenol and Terphenyl-d14 surrogates were not recovered (0%) and Phenol-d6 surrogate exhibited extremely low recovery (3%) in the laboratory designated SVOC method blank "WH2353-BLANK." The samples associated with this blank were re-extracted out-of-hold for internal standard non-compliances and were re-analyzed. The surrogates in the re-extracted blank were within quality control limits and the internal standards in the associated re-extracted samples were within quality control limits. The results from the out-of-hold re-extracted were consistent with the original in-hold samples which exhibited decreased internal standard response.

%RPD limits were above quality control criteria of 30% for 2,4-dinitrophenol, butylbenzenephthalate, bis(2-ethylhexyl)phthalate, and di-n-octylphthalate in laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) extracted on 5/21/03 and analyzed on 6/10/03. It appears these analytes were lost during the blow down process of the extraction and since these analytes were within quality control limits for the analysis of the LCSD, no data qualifications were made.

Multiple analytes in the LCS/LCSD extracted on 6/18/03 and analyzed on 6/21/03 exhibited recoveries and had %RPDs which were outside of quality control limits. Since the data associated with this LCS/LCSD were out-of-hold re-extractions which are only being used as un-validated supplementary data, no data validation actions have been taken.

Percent recovery for 4,4'-DDT (84%) in the LCS was outside of the laboratory QC limits (86%-124%). Delta-BHC, 4,4'-DDD, 4,4'-DDT, endrin aldehyde, endosulfan sulfate, and endrin ketone percent recoveries for the LCSD were slightly outside of their respective QC limits. No data qualifications were made based on these non-compliances.

Laboratory sample "WG2354-LCSD" analyzed on 6/10/03 had low internal standard response for chrysene-d12 and perylene-d12 internal standards. No data qualifications have been made based upon this non-compliance.

Calibration verification %D exceeded the 25% quality control limit for acenaphthylene, on instrument GCMS-X, at 1600, on 6/09/03. Only the laboratory blank "WG2354-BLANK" was associated with this calibration verification standards, therefore no data qualifications have been made.

Naphthalene, acenaphthylene, acenaphthene, and fluorene had %RSDs above the 30% quality control limit for the analysis of the LCS/LCSD pair analyzed on 6/10/03. No data qualifications have been made based upon this non-compliance.

Calibration verification %D exceeded the 25% quality control limit for 2-methylnaphthalene-d10 surrogate on instrument GCMS-X, at 1141, on 6/12/03. 2-Methylnaphthalene-d10 surrogate exhibited recoveries within quality control limits for all samples analyzed on 6/12/03, therefore no data qualifications have been made.

Naphthalene exhibited low recovery below quality control limits for the analysis of the LCSD analyzed on 6/10/03. This LCSD was not associated with the analysis of any samples in this SDG, therefore no data qualifications have been made.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Multiple VOCs were detected in the laboratory method blanks. These compounds were qualified accordingly. Multiple SVOC internal standards exhibited reduced response in several samples resulting in the estimation of analytical data. Calibration verification %D criteria were not met for several SVOC and PAH compounds resulting in the estimation of analytical data. Acid surrogates for SVOA analysis exhibited recovery less than 10% resulting in the rejection of the acid fraction results.

Other Factors Affecting Data Quality: None

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), EPA Region IV (8/93) and the NFESC guidelines "Navy IRCDQM" (Sept 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

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

Tetra Tech NUS

Michael T. Akers
Chemist/Data Validator

Edward Sedlmayer /for
TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OV

nsample	03GLM0202
samp_date	5/14/2003
lab_id	WT1128-11
qc_type	NM
units	UG/L
Pct_Solids	0
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	0.8	J	P
1,1-DICHLOROETHENE	0.4	J	P
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	C
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	03GLM0202
samp_date	5/14/2003
lab_id	WT1128-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	03GLM0302
samp_date	5/15/2003
lab_id	WT1147-7
qc_type	NM
units	UG/L
Pct_Solids	0
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	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	UJ	C
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OV

nsample	03GLM0302
samp_date	5/15/2003
lab_id	WT1147-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	10GLM0202
samp_date	5/14/2003
lab_id	WT1128-5
qc_type	NM
units	UG/L
Pct_Solids	0
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	UJ	C
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE .	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	10GLM0202
samp_date	5/14/2003
lab_id	WT1128-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OV

nsample	10GLM04R01
samp_date	5/14/2003
lab_id	WT1128-1
qc_type	NM
units	UG/L
Pct_Solids	0
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	UJ	C
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	0.3	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	10GLM04R01
samp_date	5/14/2003
lab_id	WT1128-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	10GLM05DR01
samp_date	5/14/2003
lab_id	WT1128-3
qc_type	NM
units	UG/L
Pct_Solids	0
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	UJ	C
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	2	J	P
CARBON DISULFIDE	0.4	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OV

nsample	10GLM05DR01
samp_date	5/14/2003
lab_id	WT1128-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	10GLM0801
samp_date	5/14/2003
lab_id	WT1128-7
qc_type	NM
units	UG/L
Pct_Solids	0
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	UJ	C
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	A
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	1	J	P
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	10GLM0801
samp_date	5/14/2003
lab_id	WT1128-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	A
ISOPROPYLBENZENE	5	U	A
M+P-XYLENES	5	U	A
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	A
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	0.3	J	P
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	A
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OV

nsample	10GLMRL051403
samp_date	5/14/2003
lab_id	WT1128-9
qc_type	NM
units	UG/L
Pct_Solids	0
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	UJ	C
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	4	J	P
2-HEXANONE	3	J	P
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	0.4	J	P
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	10GLMRL051403
samp_date	5/14/2003
lab_id	WT1128-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	0.8	J	P
O-XYLENE	5	U	
STYRENE	0.3	J	P
TETRACHLOROETHENE	5	U	
TOLUENE	0.7	J	P
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM0202
samp_date	5/15/2003
lab_id	WT1147-5
qc_type	NM
units	UG/L
Pct_Solids	0
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	A
1,2-DIBROMO-3-CHLOROPROPANE	5	U	A
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	A
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	A
1,4-DICHLOROBENZENE	5	U	A
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	A
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	1	J	P
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	UJ	A
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM0202
samp_date	5/15/2003
lab_id	WT1147-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	A
ISOPROPYLBENZENE	5	U	A
M+P-XYLENES	5	U	A
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM02D02
samp_date	5/15/2003
lab_id	WT1147-1
qc_type	NM
units	UG/L
Pct_Solids	0
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	UJ	C
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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM02D02
samp_date	5/15/2003
lab_id	WT1147-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM02S02
samp_date	5/15/2003
lab_id	WT1147-3
qc_type	NM
units	UG/L
Pct_Solids	0
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	A
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	A
2-BUTANONE	5	UJ	CD
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	CD
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	1	J	P
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	UJ	C
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM02S02
samp_date	5/15/2003
lab_id	WT1147-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	CD
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM05I02
samp_date	5/15/2003
lab_id	WT1147-18
qc_type	NM
units	UG/L
Pct_Solids	0
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	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	UJ	C
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM05I02
samp_date	5/15/2003
lab_id	WT1147-18
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	13GLM05S02
samp_date	5/15/2003
lab_id	WT1147-16
qc_type	NM
units	UG/L
Pct_Solids	0
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	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	UJ	C
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

nsample	13GLM05S02
samp_date	5/15/2003
lab_id	WT1147-16
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM09I02	nsample	13GLM09I02	nsample	13GLM09S02
samp_date	5/15/2003	samp_date	5/15/2003	samp_date	5/15/2003
lab_id	WT1147-9	lab_id	WT1147-9	lab_id	WT1147-11
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		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	A
2-BUTANONE	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	2	J	P
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	UJ	C
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

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	18		
1,1-DICHLOROETHENE	2	J	P
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	5	UJ	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UJ	C
BENZENE	0.7	J	P
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	UJ	C
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OV

nsample	13GLM09S02	nsample	13RL051503	nsample	13RL051503
samp_date	5/15/2003	samp_date	5/15/2003	samp_date	5/15/2003
lab_id	WT1147-11	lab_id	WT1147-13	lab_id	WT1147-13
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	28		
ISOPROPYLBENZENE	4	U	A
M+P-XYLENES	48		
METHYL ACETATE	5	UJ	C
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	UJ	C
METHYLENE CHLORIDE	5	U	
O-XYLENE	24		
STYRENE	5	U	
TETRACHLOROETHENE	0.8	J	P
TOLUENE	73		
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	72		
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

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	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	0.3	J	P
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	5	U	
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	UJ	C
METHYLENE CHLORIDE	0.9	J	P
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	0.6	J	P
TOTAL 1,2-DICHLOROETHENE	5	U	
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OVG

nsample	10GLM0202
samp_date	5/14/2003
lab_id	0305323-03A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

nsample	10GLM04R01
samp_date	5/14/2003
lab_id	0305323-01A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

nsample	10GLM05DR01
samp_date	5/14/2003
lab_id	0305323-02A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	250		

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OVG

nsample	10GLM0801
samp_date	5/14/2003
lab_id	0305323-04A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	32		

nsample	13GLM0202
samp_date	5/15/2003
lab_id	0305383-03A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

nsample	13GLM02D02
samp_date	5/15/2003
lab_id	0305383-01A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM02S02
samp_date	5/15/2003
lab_id	0305383-02A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

nsample	13GLM05I02
samp_date	5/15/2003
lab_id	0305383-08A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	13		

nsample	13GLM05S02
samp_date	5/15/2003
lab_id	0305383-07A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OVG

nsample	13GLM09I02
samp_date	5/15/2003
lab_id	0305383-05A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	33		

nsample	13GLM09S02
samp_date	5/15/2003
lab_id	0305383-06A
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ETHANE	10	U	
ETHENE	10	U	
METHANE	2000		

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OS

nsample	03GLM0202
samp_date	5/14/2003
lab_id	WT1128-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	UR	R
2,4,6-TRICHLOROPHENOL	10	UR	R
2,4-DICHLOROPHENOL	10	UR	R
2,4-DIMETHYLPHENOL	10	UR	R
2,4-DINITROPHENOL	25	UR	R
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	UR	R
2-METHYLPHENOL	10	UR	R
2-NITROANILINE	25	U	
2-NITROPHENOL	10	UR	R
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UR	R
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	UR	R
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	10	UR	R
4-NITROANILINE	25	U	
4-NITROPHENOL	25	UR	R
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	03GLM0202
samp_date	5/14/2003
lab_id	WT1128-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	UR	R
PHENOL	10	UR	R

nsample	03GLM0302
samp_date	5/15/2003
lab_id	WT1147-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	N
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	UJ	N
2,4-DIMETHYLPHENOL	10	UJ	N
2,4-DINITROPHENOL	25	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	UJ	N
2-METHYLPHENOL	10	UJ	N
2-NITROANILINE	25	U	
2-NITROPHENOL	10	UJ	N
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	UJ	N
4-CHLOROANILINE	10	UJ	N
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	10	UJ	N
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	UJ	N
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	UJ	N
BIS(2-CHLOROETHYL)ETHER	10	UJ	N
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OS

nsample	03GLM0302
samp_date	5/15/2003
lab_id	WT1147-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	UJ	N
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	UJ	N
ISOPHORONE	10	UJ	N
NITROBENZENE	10	UJ	N
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	N
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	UJ	N

nsample	10GLM0202
samp_date	5/14/2003
lab_id	WT1128-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	27		

nsample	10GLM0202
samp_date	5/14/2003
lab_id	WT1128-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OS

nsample	10GLM04R01
samp_date	5/14/2003
lab_id	WT1128-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	11	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	
2,4,5-TRICHLOROPHENOL	27	U	
2,4,6-TRICHLOROPHENOL	11	U	
2,4-DICHLOROPHENOL	11	U	
2,4-DIMETHYLPHENOL	11	U	
2,4-DINITROPHENOL	27	UJ	C
2,4-DINITROTOLUENE	11	U	
2,6-DINITROTOLUENE	11	U	
2-CHLORONAPHTHALENE	11	U	
2-CHLOROPHENOL	11	U	
2-METHYLPHENOL	11	U	
2-NITROANILINE	27	U	
2-NITROPHENOL	11	U	
3,3'-DICHLOROBENZIDINE	11	U	
3-NITROANILINE	27	U	
4,6-DINITRO-2-METHYLPHENOL	27	UJ	C
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	27	U	
4-NITROPHENOL	27	U	
ACETOPHENONE	11	U	
ATRAZINE	11	U	
BENZALDEHYDE	11	UJ	C
BIS(2-CHLOROETHOXY)METHANE	11	U	
BIS(2-CHLOROETHYL)ETHER	11	U	
BIS(2-ETHYLHEXYL)PHTHALATE	11	U	

nsample	10GLM04R01
samp_date	5/14/2003
lab_id	WT1128-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	11	U	
CAPROLACTAM	11	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	11	U	
HEXACHLOROBUTADIENE	11	U	
HEXACHLOROCYCLOPENTADIENE	11	U	
HEXACHLOROETHANE	11	U	
ISOPHORONE	11	U	
NITROBENZENE	11	U	
N-NITROSO-DI-N-PROPYLAMINE	11	U	
N-NITROSODIPHENYLAMINE	11	U	
PENTACHLOROPHENOL	27	U	
PHENOL	11	U	

nsample	10GLM05DR01
samp_date	5/14/2003
lab_id	WT1128-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	UR	R
2,4,6-TRICHLOROPHENOL	10	UR	R
2,4-DICHLOROPHENOL	10	UR	R
2,4-DIMETHYLPHENOL	10	UR	R
2,4-DINITROPHENOL	25	UR	R
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	UR	R
2-METHYLPHENOL	10	UR	R
2-NITROANILINE	25	U	
2-NITROPHENOL	10	UR	R
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UR	R
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	UR	R
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	10	UR	R
4-NITROANILINE	25	U	
4-NITROPHENOL	25	UR	R
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OS

nsample	10GLM05DR01
samp_date	5/14/2003
lab_id	WT1128-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	UR	R
PHENOL	10	UR	R

nsample	10GLM0801
samp_date	5/14/2003
lab_id	WT1128-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	10GLM0801
samp_date	5/14/2003
lab_id	WT1128-7
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OS

nsample	10GLMRL051403
samp_date	5/14/2003
lab_id	WT1128-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	10GLMRL051403
samp_date	5/14/2003
lab_id	WT1128-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM0202
samp_date	5/15/2003
lab_id	WT1147-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	N
2,4,5-TRICHLOROPHENOL	25	UJ	N
2,4,6-TRICHLOROPHENOL	10	UJ	N
2,4-DICHLOROPHENOL	10	UJ	N
2,4-DIMETHYLPHENOL	10	UJ	N
2,4-DINITROPHENOL	25	UJ	N
2,4-DINITROTOLUENE	10	UJ	N
2,6-DINITROTOLUENE	10	UJ	N
2-CHLORONAPHTHALENE	10	UJ	N
2-CHLOROPHENOL	10	UJ	N
2-METHYLPHENOL	10	UJ	N
2-NITROANILINE	25	UJ	N
2-NITROPHENOL	10	UJ	N
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	UJ	N
4,6-DINITRO-2-METHYLPHENOL	25	UJ	N
4-BROMOPHENYL PHENYL ETHER	10	UJ	N
4-CHLORO-3-METHYLPHENOL	10	UJ	N
4-CHLOROANILINE	10	UJ	N
4-CHLOROPHENYL PHENYL ETHER	10	UJ	N
4-METHYLPHENOL	10	UJ	N
4-NITROANILINE	25	UJ	N
4-NITROPHENOL	25	UJ	N
ACETOPHENONE	10	UJ	N
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	UJ	N
BIS(2-CHLOROETHYL)ETHER	10	UJ	N
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM0202
samp_date	5/15/2003
lab_id	WT1147-5
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	10	UJ	N
DIBENZOFURAN	10	UJ	N
DIETHYL PHTHALATE	10	UJ	N
DIMETHYL PHTHALATE	10	UJ	N
DI-N-BUTYL PHTHALATE	10	UJ	N
DI-N-OCTYL PHTHALATE	10	U	
HEXACHLOROBENZENE	10	UJ	N
HEXACHLOROBUTADIENE	10	UJ	N
HEXACHLOROCYCLOPENTADIENE	10	UJ	N
HEXACHLOROETHANE	10	UJ	N
ISOPHORONE	10	UJ	N
NITROBENZENE	10	UJ	N
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	N
N-NITROSODIPHENYLAMINE	10	UJ	N
PENTACHLOROPHENOL	25	UJ	N
PHENOL	10	UJ	N

nsample	13GLM02D02
samp_date	5/15/2003
lab_id	WT1147-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM02D02
samp_date	5/15/2003
lab_id	WT1147-1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM02S02
samp_date	5/15/2003
lab_id	WT1147-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	N
2,4,5-TRICHLOROPHENOL	26	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	UJ	N
2,4-DIMETHYLPHENOL	10	UJ	N
2,4-DINITROPHENOL	26	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	UJ	N
2-METHYLPHENOL	10	UJ	N
2-NITROANILINE	26	U	
2-NITROPHENOL	10	UJ	N
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	26	U	
4,6-DINITRO-2-METHYLPHENOL	26	UJ	C
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	UJ	N
4-CHLOROANILINE	10	UJ	N
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	10	UJ	N
4-NITROANILINE	26	U	
4-NITROPHENOL	26	U	
ACETOPHENONE	10	UJ	N
ATRAZINE	10	UJ	C
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	UJ	N
BIS(2-CHLOROETHYL)ETHER	10	UJ	N
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM02S02
samp_date	5/15/2003
lab_id	WT1147-3
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	UJ	N
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	UJ	N
ISOPHORONE	10	UJ	N
NITROBENZENE	10	UJ	N
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	N
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	26	U	
PHENOL	10	UJ	N

nsample	13GLM05I02
samp_date	5/15/2003
lab_id	WT1147-18
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM05I02
samp_date	5/15/2003
lab_id	WT1147-18
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13GLM05S02
samp_date	5/15/2003
lab_id	WT1147-16
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM05S02
samp_date	5/15/2003
lab_id	WT1147-16
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM09I02
samp_date	5/15/2003
lab_id	WT1147-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	N
2,4,5-TRICHLOROPHENOL	25	UJ	N
2,4,6-TRICHLOROPHENOL	10	UJ	N
2,4-DICHLOROPHENOL	10	UJ	N
2,4-DIMETHYLPHENOL	10	UJ	N
2,4-DINITROPHENOL	25	UJ	N
2,4-DINITROTOLUENE	10	UJ	N
2,6-DINITROTOLUENE	10	UJ	N
2-CHLORONAPHTHALENE	10	UJ	N
2-CHLOROPHENOL	10	UJ	N
2-METHYLPHENOL	10	UJ	N
2-NITROANILINE	25	UJ	N
2-NITROPHENOL	10	UJ	N
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	UJ	N
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
4-BROMOPHENYL PHENYL ETHER	10	UJ	N
4-CHLORO-3-METHYLPHENOL	10	UJ	N
4-CHLOROANILINE	10	UJ	N
4-CHLOROPHENYL PHENYL ETHER	10	UJ	N
4-METHYLPHENOL	10	UJ	N
4-NITROANILINE	25	UJ	N
4-NITROPHENOL	25	UJ	N
ACETOPHENONE	10	UJ	N
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	UJ	N
BIS(2-CHLOROETHYL)ETHER	10	UJ	N
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13GLM09I02
samp_date	5/15/2003
lab_id	WT1147-9
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	10	U	
DIBENZOFURAN	10	UJ	N
DIETHYL PHTHALATE	10	UJ	N
DIMETHYL PHTHALATE	10	UJ	N
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	UJ	N
HEXACHLOROCYCLOPENTADIENE	10	UJ	N
HEXACHLOROETHANE	10	UJ	N
ISOPHORONE	10	UJ	N
NITROBENZENE	10	UJ	N
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	N
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	UJ	N

nsample	13GLM09S02
samp_date	5/15/2003
lab_id	WT1147-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	3	J	P
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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		
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	1	J	P
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: OS

nsample	13GLM09S02
samp_date	5/15/2003
lab_id	WT1147-11
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

nsample	13RL051503
samp_date	5/15/2003
lab_id	WT1147-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	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	UJ	C
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	UJ	C
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	25	U	
4-NITROPHENOL	25	U	
ACETOPHENONE	10	U	
ATRAZINE	10	U	
BENZALDEHYDE	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	

nsample	13RL051503
samp_date	5/15/2003
lab_id	WT1147-13
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BUTYL BENZYL PHTHALATE	10	U	
CAPROLACTAM	10	U	
CARBAZOLE	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	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
ISOPHORONE	10	U	
NITROBENZENE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENOL	10	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	03GLM0202	nsample	03GLM0302
samp_date	5/14/2003	samp_date	5/15/2003
lab_id	WT1128-11	lab_id	WT1147-7
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.10	U	
4,4'-DDE	0.10	U	
4,4'-DDT	0.10	U	
ALDRIN	0.050	U	
ALPHA-BHC	0.050	U	
ALPHA-CHLORDANE	0.050	U	
AROCLOR-1016	0.50	U	
AROCLOR-1221	0.50	U	
AROCLOR-1232	0.50	U	
AROCLOR-1242	0.50	U	
AROCLOR-1248	0.50	U	
AROCLOR-1254	0.50	U	
AROCLOR-1260	0.50	U	
BETA-BHC	0.050	U	
DELTA-BHC	0.050	U	
DIELDRIN	0.10	U	
ENDOSULFAN I	0.050	U	
ENDOSULFAN II	0.10	U	
ENDOSULFAN SULFATE	0.10	U	
ENDRIN	0.10	U	
ENDRIN ALDEHYDE	0.10	U	
ENDRIN KETONE	0.10	U	
GAMMA-BHC (LINDANE)	0.050	U	
GAMMA-CHLORDANE	0.050	U	
HEPTACHLOR	0.050	U	
HEPTACHLOR EPOXIDE	0.050	U	
METHOXYCHLOR	0.50	U	
TOXAPHENE	1.0	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.10	U	
4,4'-DDE	0.10	U	
4,4'-DDT	0.10	U	
ALDRIN	0.050	U	
ALPHA-BHC	0.050	U	
ALPHA-CHLORDANE	0.050	U	
AROCLOR-1016	0.50	U	
AROCLOR-1221	0.50	U	
AROCLOR-1232	0.50	U	
AROCLOR-1242	0.50	U	
AROCLOR-1248	0.50	U	
AROCLOR-1254	0.50	U	
AROCLOR-1260	0.50	U	
BETA-BHC	0.050	U	
DELTA-BHC	0.050	U	
DIELDRIN	0.10	U	
ENDOSULFAN I	0.050	U	
ENDOSULFAN II	0.10	U	
ENDOSULFAN SULFATE	0.10	U	
ENDRIN	0.10	U	
ENDRIN ALDEHYDE	0.10	U	
ENDRIN KETONE	0.10	U	
GAMMA-BHC (LINDANE)	0.050	U	
GAMMA-CHLORDANE	0.050	U	
HEPTACHLOR	0.050	U	
HEPTACHLOR EPOXIDE	0.050	U	
METHOXYCHLOR	0.50	U	
TOXAPHENE	1.0	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: PAH

nsample	03GLM0202
samp_date	5/14/2003
lab_id	WT1128-12
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	03GLM0302
samp_date	5/15/2003
lab_id	WT1147-8
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	10GLM0202
samp_date	5/14/2003
lab_id	WT1128-6RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: PAH

nsample	10GLM04R01
samp_date	5/14/2003
lab_id	WT1128-2
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.22	U	
2-METHYLNAPHTHALENE	0.22	UJ	C
ACENAPHTHENE	0.22	U	
ACENAPHTHYLENE	0.22	U	
ANTHRACENE	0.22	U	
BENZO(A)ANTHRACENE	0.22	U	
BENZO(A)PYRENE	0.22	U	
BENZO(B)FLUORANTHENE	0.22	U	
BENZO(G,H,I)PERYLENE	0.22	UJ	C
BENZO(K)FLUORANTHENE	0.22	U	
CHRYSENE	0.22	U	
DIBENZO(A,H)ANTHRACENE	0.22	UJ	C
FLUORANTHENE	0.22	U	
FLUORENE	0.22	U	
INDENO(1,2,3-CD)PYRENE	0.22	UJ	C
NAPHTHALENE	0.22	U	
PHENANTHRENE	0.22	U	
PYRENE	0.22	U	

nsample	10GLM05DR01
samp_date	5/14/2003
lab_id	WT1128-4RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	UJ	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	10GLM0801
samp_date	5/14/2003
lab_id	WT1128-8RA
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.13	J	P
2-METHYLNAPHTHALENE	0.2	UJ	C
ACENAPHTHENE	0.88		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.33		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	1	J	C
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: PAH

nsample	10GLMRL051403
samp_date	5/14/2003
lab_id	WT1128-10
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.083	J	P
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.086	J	P
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM0202
samp_date	5/15/2003
lab_id	WT1147-6
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

nsample	13GLM02D02
samp_date	5/15/2003
lab_id	WT1147-2
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM02S02	nsample	13GLM05I02	nsample	13GLM05S02
samp_date	5/15/2003	samp_date	5/15/2003	samp_date	5/15/2003
lab_id	WT1147-4	lab_id	WT1147-19	lab_id	WT1147-17
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 9061

SDG: 2872 MEDIA: WATER DATA FRACTION: PAH

nsample	13GLM09I02	nsample	13GLM09S02	nsample	13RL051503
samp_date	5/15/2003	samp_date	5/15/2003	samp_date	5/15/2003
lab_id	WT1147-10	lab_id	WT1147-12DL	lab_id	WT1147-14
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	1.4		
2-METHYLNAPHTHALENE	3.2	J	C
ACENAPHTHENE	1.1		
ACENAPHTHYLENE	0.95	U	
ANTHRACENE	0.95	U	
BENZO(A)ANTHRACENE	0.95	UJ	C
BENZO(A)PYRENE	0.95	U	
BENZO(B)FLUORANTHENE	0.95	U	
BENZO(G,H,I)PERYLENE	0.95	U	
BENZO(K)FLUORANTHENE	0.95	UJ	C
CHRYSENE	0.95	U	
DIBENZO(A,H)ANTHRACENE	0.95	U	
FLUORANTHENE	0.95	U	
FLUORENE	0.95	U	
INDENO(1,2,3-CD)PYRENE	0.95	U	
NAPHTHALENE	7	J	C
PHENANTHRENE	0.95	U	
PYRENE	0.95	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.08	J	P
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.057	J	P
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-1
Client ID: 10GLM04R01
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.3	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-1
Client ID: 10GLM04R01
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		115%				
17060-07-0	1,2-Dichloroethane-D4		126%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-3
Client ID: 10GLM05DR01
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	2	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	J	0.4	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-3
Client ID: 10GLM05DR01
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		118%				
17060-07-0	1,2-Dichloroethane-D4		130%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-5
Client ID: 10GLM0202
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-5
Client ID: 10GLM0202
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		118%				
17060-07-0	1,2-Dichloroethane-D4		125%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-7
Client ID: 10GLM0801
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	1	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	0.3	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	J	0.3	1.0	5	5	0.1
1330-20-7	Xylenes (total)	J	0.7	1.0	5	5	0.3
	m+p-Xylenes	J	0.3	1.0	5	5	0.2
95-47-6	o-Xylene	J	0.4	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	J	0.5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-7
Client ID: 10GLM0801
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	J	0.3	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		114%				
17060-07-0	1,2-Dichloroethane-D4		124%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-9
Client ID: 10GLMRL051403
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	JB	0.8	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	J	0.4	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	J	4	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	0.7	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	J	3	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	J	0.3	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-9
Client ID: 10GLMRL051403
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		117%				
17060-07-0	1,2-Dichloroethane-D4		128%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-11
Client ID: 03GLM0202
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	J	0.4	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	J	0.8	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-11
Client ID: 03GLM0202
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		115%				
17060-07-0	1,2-Dichloroethane-D4		122%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-1
Client ID: 13GLM02D02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-1
Client ID: 13GLM02D02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		113%				
17060-07-0	1,2-Dichloroethane-D4		119%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-3
Client ID: 13GLM02S02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	1	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-3
Client ID: 13GLM02S02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	JB	0.2	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	JB	0.6	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		115%				
17060-07-0	1,2-Dichloroethane-D4		123%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-5
Client ID: 13GLM0202
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	1	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	JB	0.2	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	JB	0.3	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	JB	0.2	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-5
Client ID: 13GLM0202
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	JB	0.3	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	JB	0.4	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	JB	0.3	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	JB	2	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	JB	1	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		115%				
17060-07-0	1,2-Dichloroethane-D4		121%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		105%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-7
Client ID: 03GLM0302
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-7
Client ID: 03GLM0302
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		116%				
17060-07-0	1,2-Dichloroethane-D4		124%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-9
Client ID: 13GLM09I02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	J	2	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-9
Client ID: 13GLM09I02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	JB	0.2	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		120%				
17060-07-0	1,2-Dichloroethane-D4		128%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-11
Client ID: 13GLM09S02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	J	2	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane		18	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	J	0.7	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene		73	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	J	0.8	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	B	28	1.0	5	5	0.1
1330-20-7	Xylenes (total)	B	72	1.0	5	5	0.3
	m+p-Xylenes	B	48	1.0	5	5	0.2
95-47-6	o-Xylene	B	24	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	JB	0.9	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-11
Client ID: 13GLM09S02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		121%				
17060-07-0	1,2-Dichloroethane-D4		134%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		115%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-13
Client ID: 13RL051503
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	JB	0.9	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	J	0.3	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	J	0.6	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-13
Client ID: 13RL051503
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		124%				
17060-07-0	1,2-Dichloroethane-D4		132%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-16
Client ID: 13GLM05S02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-16
Client ID: 13GLM05S02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		123%				
17060-07-0	1,2-Dichloroethane-D4		130%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-18
Client ID: 13GLM05I02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-18
Client ID: 13GLM05I02
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		127%				
17060-07-0	1,2-Dichloroethane-D4		*138%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/06/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-1
Client ID: 10GLM04R01
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	11	1.0	10	11	2
111-44-4	Bis(2-Chloroethyl)ether	U	11	1.0	10	11	1
95-57-8	2-Chlorophenol	U	11	1.0	10	11	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	11	1.0	10	11	1
95-48-7	2-Methylphenol	U	11	1.0	10	11	1
67-72-1	Hexachloroethane	U	11	1.0	10	11	2
621-64-7	N-Nitroso-di-n-propylamine	U	11	1.0	10	11	2
106-44-5	4-Methylphenol	U	11	1.0	10	11	2
98-95-3	Nitrobenzene	U	11	1.0	10	11	1
78-59-1	Isophorone	U	11	1.0	10	11	0.9
88-75-5	2-Nitrophenol	U	11	1.0	10	11	2
105-67-9	2,4-Dimethylphenol	U	11	1.0	10	11	2
111-91-1	Bis(2-Chloroethoxy)methane	U	11	1.0	10	11	0.9
120-83-2	2,4-Dichlorophenol	U	11	1.0	10	11	2
106-47-8	4-Chloroaniline	U	11	1.0	10	11	1
87-68-3	Hexachlorobutadiene	U	11	1.0	10	11	2
59-50-7	4-Chloro-3-Methylphenol	U	11	1.0	10	11	1
77-47-4	Hexachlorocyclopentadiene	U	11	1.0	10	11	1
88-06-2	2,4,6-Trichlorophenol	U	11	1.0	10	11	2
95-95-4	2,4,5-Trichlorophenol	U	27	1.0	25	27	2
91-58-7	2-Chloronaphthalene	U	11	1.0	10	11	3
88-74-4	2-Nitroaniline	U	27	1.0	25	27	0.9
131-11-3	Dimethyl Phthalate	U	11	1.0	10	11	0.8
606-20-2	2,6-Dinitrotoluene	U	11	1.0	10	11	2
99-09-2	3-Nitroaniline	U	27	1.0	25	27	2
51-28-5	2,4-Dinitrophenol	U	27	1.0	25	27	6
132-64-9	Dibenzofuran	U	11	1.0	10	11	1
100-02-7	4-Nitrophenol	U	27	1.0	25	27	3
121-14-2	2,4-Dinitrotoluene	U	11	1.0	10	11	0.8
84-66-2	Diethylphthalate	U	11	1.0	10	11	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	11	1.0	10	11	1
100-01-6	4-Nitroaniline	U	27	1.0	25	27	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	27	1.0	25	27	8
86-30-6	N-Nitrosodiphenylamine	U	11	1.0	10	11	2
101-55-3	4-Bromophenyl-phenylether	U	11	1.0	10	11	1
118-74-1	Hexachlorobenzene	U	11	1.0	10	11	0.8
87-86-5	Pentachlorophenol	U	27	1.0	25	27	6
86-74-8	Carbazole	U	11	1.0	10	11	1.0
84-74-2	Di-n-butylphthalate	U	11	1.0	10	11	3
85-68-7	Butylbenzylphthalate	U	11	1.0	10	11	0.8
91-94-1	3,3'-Dichlorobenzidine	U	11	1.0	10	11	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	11	1.0	10	11	6
117-84-0	Di-n-octylphthalate	U	11	1.0	10	11	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/06/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-1
Client ID: 10GLM04R01
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	11	1.0	10	11	11
98-96-2	Acetophenone	U	11	1.0	10	11	0.8
105-60-2	Caprolactam	U	11	1.0	10	11	11
92-52-4	1,1'-Biphenyl	U	11	1.0	10	11	11
1912-24-9	Atrazine	U	11	1.0	10	11	11
367-12-4	2-Fluorophenol		48%				
13127-88-3	Phenol-D6		56%				
4165-60-0	Nitrobenzene-D5		61%				
321-60-8	2-Fluorobiphenyl		63%				
118-79-6	2,4,6-Tribromophenol		90%				
1718-51-0	Terphenyl-D14		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-3
Client ID: 10GLM05DR01
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-3
Client ID: 10GLM05DR01
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	9
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	9
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	9
1912-24-9	Atrazine	U	10	1.0	10	10	9
367-12-4	2-Fluorophenol		* 4%				
13127-88-3	Phenol-D6		22%				
4165-60-0	Nitrobenzene-D5		90%				
321-60-8	2-Fluorobiphenyl		87%				
118-79-6	2,4,6-Tribromophenol		* 12%				
1718-51-0	Terphenyl-D14		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-5
Client ID: 10GLM0202
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate		27	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-5
Client ID: 10GLM0202
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		58%				
13127-88-3	Phenol-D6		61%				
4165-60-0	Nitrobenzene-D5		75%				
321-60-8	2-Fluorobiphenyl		75%				
118-79-6	2,4,6-Tribromophenol		85%				
1718-51-0	Terphenyl-D14		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-7
Client ID: 10GLM0801
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-7
Client ID: 10GLM0801
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		31%				
13127-88-3	Phenol-D6		46%				
4165-60-0	Nitrobenzene-D5		80%				
321-60-8	2-Fluorobiphenyl		92%				
118-79-6	2,4,6-Tribromophenol		74%				
1718-51-0	Terphenyl-D14		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-9
Client ID: 10GLMRL051403
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-9
Client ID: 10GLMRL051403
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		49%				
13127-88-3	Phenol-D6		53%				
4165-60-0	Nitrobenzene-D5		59%				
321-60-8	2-Fluorobiphenyl		62%				
118-79-6	2,4,6-Tribromophenol		77%				
1718-51-0	Terphenyl-D14		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-11
Client ID: 03GLM0202
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-11
Client ID: 03GLM0202
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		* 9%				
13127-88-3	Phenol-D6		45%				
4165-60-0	Nitrobenzene-D5		88%				
321-60-8	2-Fluorobiphenyl		91%				
118-79-6	2,4,6-Tribromophenol		38%				
1718-51-0	Terphenyl-D14		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-1
Client ID: 13GLM02D02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

Katahdin Analytical Services 0000066

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-1
Client ID: 13GLM02D02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		47%				
13127-88-3	Phenol-D6		28%				
4165-60-0	Nitrobenzene-D5		76%				
321-60-8	2-Fluorobiphenyl		74%				
118-79-6	2,4,6-Tribromophenol		80%				
1718-51-0	Terphenyl-D14		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-1RE
Client ID: 13GLM02D02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-1RE
Client ID: 13GLM02D02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		55%				
13127-88-3	Phenol-D6		59%				
4165-60-0	Nitrobenzene-D5		63%				
321-60-8	2-Fluorobiphenyl		56%				
118-79-6	2,4,6-Tribromophenol		81%				
1718-51-0	Terphenyl-D14		59%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-3
Client ID: 13GLM02S02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.9
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.9
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	26	1.0	25	26	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	26	1.0	25	26	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	26	1.0	25	26	2
51-28-5	2,4-Dinitrophenol	U	26	1.0	25	26	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	26	1.0	25	26	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	26	1.0	25	26	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	26	1.0	25	26	8
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	26	1.0	25	26	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-3
Client ID: 13GLM02S02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		32%				
4165-60-0	Nitrobenzene-D5		69%				
321-60-8	2-Fluorobiphenyl		66%				
118-79-6	2,4,6-Tribromophenol		75%				
1718-51-0	Terphenyl-D14		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-3RE
Client ID: 13GLM02S02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-3RE
Client ID: 13GLM02S02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		52%				
13127-88-3	Phenol-D6		53%				
4165-60-0	Nitrobenzene-D5		54%				
321-60-8	2-Fluorobiphenyl		51%				
118-79-6	2,4,6-Tribromophenol		74%				
1718-51-0	Terphenyl-D14		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-5
Client ID: 13GLM0202
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-5
Client ID: 13GLM0202
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		48%				
13127-88-3	Phenol-D6		28%				
4165-60-0	Nitrobenzene-D5		75%				
321-60-8	2-Fluorobiphenyl		69%				
118-79-6	2,4,6-Tribromophenol		76%				
1718-51-0	Terphenyl-D14		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/23/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-5RERA
Client ID: 13GLM0202
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/23/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-5RERA
Client ID: 13GLM0202
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		58%				
13127-88-3	Phenol-D6		60%				
4165-60-0	Nitrobenzene-D5		66%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		100%				
1718-51-0	Terphenyl-D14		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-7
Client ID: 03GLM0302
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-7
Client ID: 03GLM0302
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		45%				
13127-88-3	Phenol-D6		26%				
4165-60-0	Nitrobenzene-D5		65%				
321-60-8	2-Fluorobiphenyl		60%				
118-79-6	2,4,6-Tribromophenol		77%				
1718-51-0	Terphenyl-D14		65%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-7RE
Client ID: 03GLM0302
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-7RE
Client ID: 03GLM0302
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		57%				
13127-88-3	Phenol-D6		62%				
4165-60-0	Nitrobenzene-D5		63%				
321-60-8	2-Fluorobiphenyl		60%				
118-79-6	2,4,6-Tribromophenol		80%				
1718-51-0	Terphenyl-D14		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-9
Client ID: 13GLM09I02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-9
Client ID: 13GLM09I02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		29%				
4165-60-0	Nitrobenzene-D5		74%				
321-60-8	2-Fluorobiphenyl		66%				
118-79-6	2,4,6-Tribromophenol		95%				
1718-51-0	Terphenyl-D14		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-9RE
Client ID: 13GLM09I02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-9RE
Client ID: 13GLM09I02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	9
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	9
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	9
1912-24-9	Atrazine	U	10	1.0	10	10	9
367-12-4	2-Fluorophenol		38%				
13127-88-3	Phenol-D6		58%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		33%				
1718-51-0	Terphenyl-D14		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-11
Client ID: 13GLM09S02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	J	3	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol		10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/27/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-11
Client ID: 13GLM09S02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	J	1	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		48%				
13127-88-3	Phenol-D6		30%				
4165-60-0	Nitrobenzene-D5		79%				
321-60-8	2-Fluorobiphenyl		79%				
118-79-6	2,4,6-Tribromophenol		84%				
1718-51-0	Terphenyl-D14		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/23/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-11RERA
Client ID: 13GLM09S02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	J	2	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	J	8	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/23/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-11RERA
Client ID: 13GLM09S02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		74%				
13127-88-3	Phenol-D6		83%				
4165-60-0	Nitrobenzene-D5		90%				
321-60-8	2-Fluorobiphenyl		88%				
118-79-6	2,4,6-Tribromophenol		104%				
1718-51-0	Terphenyl-D14		58%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-13
Client ID: 13RL051503
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-13
Client ID: 13RL051503
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		54%				
13127-88-3	Phenol-D6		35%				
4165-60-0	Nitrobenzene-D5		74%				
321-60-8	2-Fluorobiphenyl		72%				
118-79-6	2,4,6-Tribromophenol		83%				
1718-51-0	Terphenyl-D14		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/22/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-13RE
Client ID: 13RL051503
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/22/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-13RE
Client ID: 13RL051503
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		52%				
13127-88-3	Phenol-D6		57%				
4165-60-0	Nitrobenzene-D5		59%				
321-60-8	2-Fluorobiphenyl		52%				
118-79-6	2,4,6-Tribromophenol		57%				
1718-51-0	Terphenyl-D14		73%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-16
Client ID: 13GLM05S02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.7
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.7
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-16
Client ID: 13GLM05S02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.6
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		45%				
13127-88-3	Phenol-D6		27%				
4165-60-0	Nitrobenzene-D5		70%				
321-60-8	2-Fluorobiphenyl		66%				
118-79-6	2,4,6-Tribromophenol		94%				
1718-51-0	Terphenyl-D14		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/22/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-16RE
Client ID: 13GLM05S02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/22/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-16RE
Client ID: 13GLM05S02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		47%				
13127-88-3	Phenol-D6		46%				
4165-60-0	Nitrobenzene-D5		54%				
321-60-8	2-Fluorobiphenyl		55%				
118-79-6	2,4,6-Tribromophenol		61%				
1718-51-0	Terphenyl-D14		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-18
Client ID: 13GLM05I02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1.0
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.6
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	5
86-74-8	Carbazole	U	10	1.0	10	10	0.8
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/11/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-18
Client ID: 13GLM05I02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		47%				
13127-88-3	Phenol-D6		30%				
4165-60-0	Nitrobenzene-D5		71%				
321-60-8	2-Fluorobiphenyl		66%				
118-79-6	2,4,6-Tribromophenol		95%				
1718-51-0	Terphenyl-D14		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/23/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-18RERA
Client ID: 13GLM05I02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	8
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 06/18/03
Analysis Date: 06/23/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-18RERA
Client ID: 13GLM05I02
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		55%				
13127-88-3	Phenol-D6		71%				
4165-60-0	Nitrobenzene-D5		76%				
321-60-8	2-Fluorobiphenyl		76%				
118-79-6	2,4,6-Tribromophenol		100%				
1718-51-0	Terphenyl-D14		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/20/03
Analysis Date: 06/10/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-11
Client ID: 03GLM0202
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2334
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.024
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.022
76-44-8	Heptachlor	U	0.050	1.0	0.050	0.050	0.024
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.041
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.022
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.028
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.022
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.018
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.027
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.017
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.018
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.027
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.016
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.029
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.020
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.022
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.044
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.90
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.019
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.019
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.020
877-09-8	Tetrachloro-m-Xylene		68%				
2051-24-3	Decachlorobiphenyl		49%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/20/03
Analysis Date: 06/10/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-7
Client ID: 03GLM0302
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2334
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.024
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.021
76-44-8	Heptachlor	U	0.050	1.0	0.050	0.050	0.023
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.041
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.021
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.028
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.022
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.017
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.027
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.016
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.017
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.027
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.016
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.029
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.020
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.022
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.044
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.89
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.018
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.018
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.019
877-09-8	Tetrachloro-m-Xylene		64%				
2051-24-3	Decachlorobiphenyl		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/20/03
Analysis Date: 06/07/03
Report Date: 06/11/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-11
Client ID: 03GLM0202
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2335
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	0.29
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.31
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.24
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.13
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.16
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.12
877-09-8	Tetrachloro-m-xylene		78%				
2051-24-3	Decachlorobiphenyl		* 52%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/20/03
Analysis Date: 06/07/03
Report Date: 06/11/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-7
Client ID: 03GLM0302
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2335
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	0.29
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.31
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.24
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.13
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.16
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.12
877-09-8	Tetrachloro-m-xylene		63%				
2051-24-3	Decachlorobiphenyl		65%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-2
Client ID: 10GLM04R01
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.22	1.0	0.20	0.22	0.055
91-57-6	2-Methylnaphthalene	U	0.22	1.0	0.20	0.22	0.088
208-96-8	Acenaphthylene	U	0.22	1.0	0.20	0.22	0.055
83-32-9	Acenaphthene	U	0.22	1.0	0.20	0.22	0.088
86-73-7	Fluorene	U	0.22	1.0	0.20	0.22	0.066
85-01-8	Phenanthrene	U	0.22	1.0	0.20	0.22	0.088
120-12-7	Anthracene	U	0.22	1.0	0.20	0.22	0.088
206-44-0	Fluoranthene	U	0.22	1.0	0.20	0.22	0.12
129-00-0	Pyrene	U	0.22	1.0	0.20	0.22	0.099
56-55-3	Benzo(a)anthracene	U	0.22	1.0	0.20	0.22	0.13
218-01-9	Chrysene	U	0.22	1.0	0.20	0.22	0.077
205-99-2	Benzo(b)fluoranthene	U	0.22	1.0	0.20	0.22	0.099
207-08-9	Benzo(k)fluoranthene	U	0.22	1.0	0.20	0.22	0.088
50-32-8	Benzo(a)pyrene	U	0.22	1.0	0.20	0.22	0.099
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.22	1.0	0.20	0.22	0.11
53-70-3	Dibenzo(a,h)anthracene	U	0.22	1.0	0.20	0.22	0.16
191-24-2	Benzo(g,h,i)perylene	U	0.22	1.0	0.20	0.22	0.088
90-12-0	1-Methylnaphthalene	U	0.22	1.0	0.20	0.22	0.088
7297-45-2	2-Methylnaphthalene-d10		110%				
81103-79-9	Fluorene-d10		83%				
1718-52-1	Pyrene-d10		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/13/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-4RA
Client ID: 10GLM05DR01
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.047
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.047
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.075
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.075
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.075
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.085
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.066
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.085
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.075
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.085
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.094
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.075
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
7297-45-2	2-Methylnaphthalene-d10		75%				
81103-79-9	Fluorene-d10		96%				
1718-52-1	Pyrene-d10		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/13/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-6RA
Client ID: 10GLM0202
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		62%				
81103-79-9	Fluorene-d10		80%				
1718-52-1	Pyrene-d10		72%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/13/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-8RA
Client ID: 10GLM0801
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		1.0	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		0.88	1.0	0.20	0.20	0.076
86-73-7	Fluorene		0.33	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	J	0.13	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		77%				
81103-79-9	Fluorene-d10		87%				
1718-52-1	Pyrene-d10		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-10
Client ID: 10GLMRL051403
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	J	0.086	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	J	0.083	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		56%				
81103-79-9	Fluorene-d10		100%				
1718-52-1	Pyrene-d10		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/14/03
Received Date: 05/15/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1128-12
Client ID: 03GLM0202
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		59%				
81103-79-9	Fluorene-d10		118%				
1718-52-1	Pyrene-d10		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-2
Client ID: 13GLM02D02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.087
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		65%				
81103-79-9	Fluorene-d10		131%				
1718-52-1	Pyrene-d10		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-4
Client ID: 13GLM02S02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.051
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.082
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.051
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.082
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.061
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.082
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.082
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.092
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.071
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.092
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.082
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.092
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.082
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.082
7297-45-2	2-Methylnaphthalene-d10		55%				
81103-79-9	Fluorene-d10		82%				
1718-52-1	Pyrene-d10		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-6
Client ID: 13GLM0202
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.087
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		58%				
81103-79-9	Fluorene-d10		115%				
1718-52-1	Pyrene-d10		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-8
Client ID: 03GLM0302
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.087
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		50%				
81103-79-9	Fluorene-d10		76%				
1718-52-1	Pyrene-d10		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-10
Client ID: 13GLM09I02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		47%				
81103-79-9	Fluorene-d10		82%				
1718-52-1	Pyrene-d10		66%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/14/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-12DL
Client ID: 13GLM09S02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		7.0	5.0	0.20	0.95	0.24
91-57-6	2-Methylnaphthalene		3.2	5.0	0.20	0.95	0.38
208-96-8	Acenaphthylene	U	0.95	5.0	0.20	0.95	0.24
83-32-9	Acenaphthene		1.1	5.0	0.20	0.95	0.38
86-73-7	Fluorene	U	0.95	5.0	0.20	0.95	0.28
85-01-8	Phenanthrene	U	0.95	5.0	0.20	0.95	0.38
120-12-7	Anthracene	U	0.95	5.0	0.20	0.95	0.38
206-44-0	Fluoranthene	U	0.95	5.0	0.20	0.95	0.52
129-00-0	Pyrene	U	0.95	5.0	0.20	0.95	0.43
56-55-3	Benzo(a)anthracene	U	0.95	5.0	0.20	0.95	0.57
218-01-9	Chrysene	U	0.95	5.0	0.20	0.95	0.33
205-99-2	Benzo(b)fluoranthene	U	0.95	5.0	0.20	0.95	0.43
207-08-9	Benzo(k)fluoranthene	U	0.95	5.0	0.20	0.95	0.38
50-32-8	Benzo(a)pyrene	U	0.95	5.0	0.20	0.95	0.43
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.95	5.0	0.20	0.95	0.48
53-70-3	Dibenzo(a,h)anthracene	U	0.95	5.0	0.20	0.95	0.71
191-24-2	Benzo(g,h,i)perylene	U	0.95	5.0	0.20	0.95	0.38
90-12-0	1-Methylnaphthalene		1.4	5.0	0.20	0.95	0.38
7297-45-2	2-Methylnaphthalene-d10		66%				
81103-79-9	Fluorene-d10		124%				
1718-52-1	Pyrene-d10		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-14
Client ID: 13RL051503
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	J	0.057	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	J	0.080	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		56%				
81103-79-9	Fluorene-d10		88%				
1718-52-1	Pyrene-d10		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-17
Client ID: 13GLM05S02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		52%				
81103-79-9	Fluorene-d10		73%				
1718-52-1	Pyrene-d10		66%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WT1147-19
Client ID: 13GLM05I02
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 M8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		63%				
81103-79-9	Fluorene-d10		82%				
1718-52-1	Pyrene-d10		70%				

AIR TOXICS LTD.

SAMPLE NAME: 10GLM04R01

ID#: 0305323-01A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052704	Date of Collection:	5/14/03
Dil. Factor:	1.00	Date of Analysis:	5/27/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 10GLM05DR01

ID#: 0305323-02A

MODIFIED METHOD RSK-175 GC/FID

File Name:	**7052705**	**Date of Collection:**	**5/14/03**
Dil. Factor:	**1.00**	**Date of Analysis:**	**5/27/03**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.25
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 10GLM0202

ID#: 0305323-03A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052706	Date of Collection:	5/14/03
Dil. Factor:	1.00	Date of Analysis:	5/27/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 10GLM0801

ID#: 0305323-04A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052707	Date of Collection:	5/14/03
Dil. Factor:	1.00	Date of Analysis:	5/27/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.032
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM02D02

ID#: 0305383-01A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052924	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM02S02

ID#: 0305383-02A

MODIFIED METHOD RSK-175 GC/FID

File Name: 7052925
Dil. Factor: 1.00

Date of Collection: 5/15/03
Date of Analysis: 5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM02S02 Duplicate

ID#: 0305383-02AA

MODIFIED METHOD RSK-175 GC/FID

File Name: 7052926
Dil. Factor: 1.00

Date of Collection: 5/15/03
Date of Analysis: 5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM0202

ID#: 0305383-03A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052927	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM09I02

ID#: 0305383-05A

MODIFIED METHOD RSK-175 GC/FID

File Name: 7052928
Dil. Factor: 1.00

Date of Collection: 5/15/03
Date of Analysis: 5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.033
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM09S02

ID#: 0305383-06A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052929	Date of Collection:	5/15/03
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	2.0
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM05S02

ID#: 0305383-07A

MODIFIED METHOD RSK-175 GC/FID

File Name: 7052930
Dil. Factor: 1.00
Date of Collection: 5/15/03
Date of Analysis: 5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: 13GLM05I02

ID#: 0305383-08A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052931	Date of Collection: 5/15/03
Dil. Factor:	1.00	Date of Analysis: 5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.013
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0305383-09A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052923	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/29/03

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: NA - Not Applicable

APPENDIX C

SUPPORT DOCUMENTATION

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CSS PANAMA CITY CTO 287
SDG: CTO287-2
WT1128 & WT1147

Sample Receipt

The following samples were received on May 15 & 16, 2003 and were logged in under Katahdin Analytical Services work order numbers WT1128 & WT1147 for a hardcopy due date of June 11, 2003.

KATAHDIN Sample No.	TTNUS Sample Identification
WT1128-1	10GLM04R01
WT1128-2	10GLM04R01
WT1128-3	10GLM05DR01
WT1128-4	10GLM05DR01
WT1128-5	10GLM0202
WT1128-6	10GLM0202
WT1128-7	10GLM0801
WT1128-8	10GLM0801
WT1128-9	10GLMRL051403
WT1128-10	10GLMRL051403
WT1128-11	03GLM0202
WT1128-12	03GLM0202
WT1147-1	13GLM02D02
WT1147-2	13GLM02D02
WT1147-3	13GLM02S02
WT1147-4	13GLM02S02
WT1147-5	13GLM0202
WT1147-6	13GLM0202
WT1147-7	03GLM0302
WT1147-8	03GLM0302
WT1147-9	13GLM09I02
WT1147-10	13GLM09I02
WT1147-11	13GLM09S02
WT1147-12	13GLM09S02
WT1147-13	13RL051503
WT1147-14	13RL051503
WT1147-16	13GLM05S02
WT1147-17	13GLM05S02
WT1147-18	13GLM05I02
WT1147-19	13GLM05I02

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.

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 Laboratory

Samples WT1128-1 through -12 were received on May 15, 2003. Samples WT1147-1 through -19 were received on May 16, 2003. Some of the samples were analyzed for pesticides according to SW-846 method 8081A and/or polychlorinated biphenyls (PCBs) according to SW-846 method 8082 and/or semivolatiles according to SW-846 method 8270C for the EPA CLP target analytes and/or SIM semivolatiles according to SW-846 method 8270C and/or volatile organics according to SW-846 method 8260B for the EPA CLP target analytes. Some manual integrations were performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software generated) on the pertinent quantitation reports. The samples were extracted and/or analyzed within hold time, and all QC criteria were met with the following comments:

8081 Analysis

The laboratory control sample (LCS) WG2334-2 had a low recovery for 4,4'-DDT which was outside of the laboratory established acceptance limits. The laboratory control sample duplicate (LCSD) WG2334-3 likewise had a low recovery for 4,4'-DDT, as well as slightly low recoveries for delta-BHC, 4,4'-DDD, Endrin aldehyde, Endosulfan sulfate, and Endrin ketone. Since all of the spiked analytes in the LCS and LCSD were within the method nominal acceptance limits of 70-130%, the samples were not reanalyzed.

The closing calibration verification standard (CV) (file 8TF1128) had low responses for 4,4'-DDD and Methoxychlor on the A channel, which resulted in %D's that were outside the method limit of 15%. The responses were within the acceptance limits on the B channel. The associated samples may be biased accordingly for these analytes on the A channel.

8082 Analysis

Sample WT1128-11 had low recoveries for the extraction surrogate DCB on both the A and B channel that were outside of the laboratory established acceptance limits. Since the recoveries for the other extraction surrogate, TCX, were within the acceptance limits, the sample was not reanalyzed.

The opening CV (file 6TF2035) had a low response for TCX on the B channel which resulted in a %D that was outside the method limit of 15%. Since the response was acceptable on the A channel, the sample data was accepted. The associated samples may be biased low for TCX on the B channel.

8270 and 8270 SIM Analysis

The reported percent recovery acceptance limits for the LCS QC samples are statistically derived. Katahdin operating procedure is to not take corrective action until greater than ten percent of the spiked analytes are outside of these limits.

The SIM analysis of sample WT1147-12 was analyzed at a dilution in order to bring target compounds within the calibration curve.

The SIM analysis of the LCS sample WG2354-5 was analyzed multiple times. All of the analyses had one or more internal standards with low responses, which were outside of the acceptance limits. The first analysis was reported.

The laboratory method blank WG2353-1 had low recoveries for the acid, which were outside of method acceptance limits. The associated samples were WT1147-1, -3, -5, -7, -9, -11, -13, -16 and -18. The client was notified and informed the laboratory to proceed with reextraction. The samples were reextracted out of hold time. The original and the reextracted samples were all analyzed and both results are included in the data package. Samples WT1147-3, -5, -7 and -9 had one or more internal standards with low responses outside of the acceptance limits.

Samples WT1128-3 and -11 had one or more surrogate recoveries, which were outside of method acceptance limits.

8260 Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) and Matrix spike samples (MS/MSD's) are statistically derived. Katahdin standard operating procedure is to not take corrective action until greater than ten percent of the spiked analytes in the LCS are outside of QC limits.

The calibration method that was analyzed for this had a %RSD for Methyl tert-butyl ether that exceeded the method acceptance limit of 15%. Both the linear and quadratic models failed for this analyte. The average model was used for this analyte.

The laboratory method blanks WG2406-2 and WG2407-2, respectively detected two and ten analytes above the MDL, but below the PQL. Any of the associated samples that detected these analytes above the MDL were flagged with a "B" qualifier indicating that the analyte(s) was detected in the method blank analyzed concurrently with the sample.

Sample WT1147-18 had one surrogate with a recovery that was high and outside of the laboratory established acceptance limits. Since the other three surrogates were acceptable and a high recovery would indicate a high bias and the sample did not detect any of the target analytes above the MDL, the sample data quality should not be affected.

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

Metals Analysis

The samples of Katahdin SDG CTO287-2 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) and Inductively-Coupled Plasma Mass Spectrometric Analysis (ICP-MS)

Aqueous-matrix Katahdin Sample Nos. WT1128-(1,3,5,7,9,11) and WT1147-(1,3,5,7,9,11,13,16) were digested for ICP and ICP-MS analysis on 05/20/03 (QC Batch TE20ICW3) in accordance with USEPA Method 3010A.

ICP analyses of Katahdin SDG CTO287-2 sample digestates were performed in accordance with USEPA Method 6010B, using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. ICP-MS analyses of Katahdin SDG CTO287-2 sample digestates for thallium were performed in accordance with USEPA Method 6020, using an Agilent 7500 ICP-MS spectrometer. All samples were analyzed within holding times and all QC criteria were met, with the following comments or exceptions:

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

The continuing calibration blank (CCB) run at 16:01 in analysis run BTE24A was flagged for calcium and magnesium. However, because all associated samples were either greater than ten times the CCB result or less than the laboratory's PQL, no corrective action is required.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Aqueous-matrix Katahdin Sample No. WT1147-7 was digested for mercury analysis on 06/04/03 (QC Batch TF04HGW0) in accordance with USEPA Method 7470A.

Aqueous-matrix Katahdin Sample No. WT1128-11 was digested for mercury analysis on 06/11/03 (QC Batch TF11HGW0) in accordance with USEPA Method 7470A.

Mercury analyses of Katahdin SDG CTO287-2 sample digestates were performed using a Leeman Labs PS200 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 CTO287-2 were received on 05/15/03 and 05/16/03 and logged in as Katahdin Work Orders WT1128 and WT1147. Analyses for chloride, nitrate, nitrite, sulfate, and total organic carbon were performed according to "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1979, Revised 1983.

All Wet Chemistry results have been reported down to the laboratory's method detection limit (MDL) for each analyte. Results that are greater than or equal to the MDL less than the laboratory's practical quantitation limit (PQL) are flagged "J" on the report of analysis.

All analyses were performed within analytical hold time, and all quality control criteria were met, with the following comments or exceptions:

Due to laboratory error, Katahdin Sample No. WT1147-18 was analyzed for nitrate and nitrite 12 days after the holding time (48 hours) had expired. This error was a result of an internal miscommunication of the number of samples in the work order that required analysis for nitrate and nitrite. After consultation with the client, it was decided that a preserved aliquot of this sample would be analyzed for nitrite + nitrite, as a check on the nitrate and nitrite analyses that were performed on an unpreserved aliquot. The results of all three tests (nitrate, nitrite, and nitrate + nitrite) were below the laboratory's practical quantitation limits for these analytes.

No other deviations were noted by the Wet Chemistry group.

Subcontracted Analysis

Analyses for Methane/Ethane/Ethene were performed by a subcontract laboratory. Please refer to the sections of the data package titled "Subcontracted Data."

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.

María Crouch
06.27.03
María Crouch
Quality Assurance Officer

Katahdin ANALYTICAL SERVICES
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CHAIN of CUSTODY

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Page ____ of ____

Client: TENILS
Contact: Mike Akers
Phone #: (850) 385-9899
Fax #: (850) 385-9866
Address: 1401 Oven Park Dr.
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340N9061
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): Larry Smith / [signature]
Copies To:

LAB USE ONLY
WORK ORDER #: WT11258
KATAHDIN PROJECT MANAGER:

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.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL SVOC 8270C/SIM (Filt. ☐Y ☒N)	Metals, Selected 6010B (Filt. ☐Y ☐N)	Diss. Gases RSK 147/175 (Filt. ☐Y ☐N)	Anions EPA 300 (Filt. ☐Y ☐N)	TOC EPA 415.1 (Filt. ☐Y ☐N)	TCL Pesticides/PCB 8081A/8082 (Filt. ☐Y ☐N)	TCL PCB 8082 (Filt. ☐Y ☐N)	TAL Metals + Hg 6010B/7471 (Filt. ☐Y ☐N)	Cyanide (Filt. ☐Y ☐N)
	10GLM04R01	14May03 0910	GW	11	3	2	1	2	1	2				
	10GLM05DR01	14May03 0925	GW	11	3	2	1	2	1	2				
	10GLM0202	14May03 1225	GW	11	3	2	1	2	1	2				
	10GLM0801	14May03 1115	GW	11	3	2	1	2	1	2				
	10GLMRL05 1403	14May03 1240	W	6	3	2	1							
	03GLM0202	14May03 1530	GW	11	3	2					2	2	1	1
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	14/5/03 1630	[signature]			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC. ☎ (877) 782-3311

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

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 ____ of ____

Client: TENUS
Contact: Mike Akers
Phone #: (850) 385-9899
Fax #: (850) 385-986
Address: 1401 Oven Park Dr.
City: Tallahassee
State: FL
Zip Code: 32308
Purchase Order #: WR340N9061
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY
WORK ORDER #: WT1147
KATAHDIN PROJECT MANAGER:
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.	TCL VOC 8260B (Filt. ☐Y ☒N)	TCL SVOC 8270C/SIM (Filt. ☐Y ☒N)	Metals, Selected 6010B (Filt. ☐Y ☒N)	Dissolved Gases RSK 147/175 (Filt. ☐Y ☒N)	Anions EPA 300 (Filt. ☐Y ☒N)	TOC EPA 415.1 (Filt. ☐Y ☒N)	Pesticides/PCBs 8081A/8082 (Filt. ☐Y ☒N)	Tot Metal Hg 6010B/7471 (Filt. ☐Y ☒N)	Cyanide 9012B (Filt. ☐Y ☒N)	Filt ☐Y
	13GLM02D02	15MAY03/~~0955~~ 1010	GW	11	3	2	1	2	1	2				
	13GLM02S02	15May03/0955	GW	11	3	2	1	2	1	2				
	13GLM02I02	15May03/1105	GW	11	3	2	1	2	1	2				
	03GLM03I02	15May03/0835	GW	9	3	2					2	1	1	
	13GLM09I02	15May03/1235	GW	11	3	2	1	2	1	2				
	013GLM09S02	15May03/1250	GW	11	3	2	1	2	1	2				
	13RL051503	15May03/1340	W	6	3	2	1							
	13TB051503	15May03/	W	2	2									
	13GLM05S02	15May03/1510	GW	11	3	2	1	2	1	2				
	13GLM05I02	15May03/1510	GW	11	3	2	1	2	1	2				
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Gary W Smith	15MAY03/1700	[illegible]	5/16/03 0935		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORMSOURCE INC. ☎ (877) 782-3311

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES, Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG2406-LCS	WG2406-1	112	113	101	110	0
02	WG2406-BLANK	WG2406-2	108	112	99	101	0
03	10GLM04R01	WT1128-1	115	126	98	100	0
04	10GLM05DR01	WT1128-3	118	130	98	103	0
05	10GLM0202	WT1128-5	118	125	97	104	0
06	10GLM0801	WT1128-7	114	124	97	102	0
07	10GLMRL051403	WT1128-9	117	128	96	101	0
08	03GLM0202	WT1128-11	115	122	98	104	0
09	13GLM02D02	WT1147-1	113	119	102	103	0
10	WG2407-LCS	WG2407-1	110	116	100	110	0
11	WG2407-BLANK	WG2407-2	107	110	97	100	0
12	13GLM02S02	WT1147-3	115	123	99	103	0
13	13GLM02S02MS	WG2407-3	113	116	98	112	0
14	13GLM02S02MSD	WG2407-4	114	122	97	107	0
15	13GLM0202	WT1147-5	115	121	99	105	0
16	03GLM0302	WT1147-7	116	124	97	100	0
17	13GLM09I02	WT1147-9	120	128	97	103	0
18	13GLM09S02	WT1147-11	121	134	98	115	0
19	13RL051503	WT1147-13	124	132	97	102	0
20	13GLM05S02	WT1147-16	123	130	96	99	0
21	13GLM05I02	WT1147-18	127	138*	97	104	1
22							
23							
24							
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(75-129)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(65-135)
SMC3 (TOL)	= Toluene-D8	(82-120)
SMC4 (BFB)	= P-Bromofluorobenzene	(69-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM II VOA-1

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-F Calibration Date(s): 05/23/03 05/23/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1216 1459

LAB FILE ID: RF5: F0307 RF10: F0306 RF20: F0304
RF50: F0305 RF100: F0309 RF200: F0308

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	0.354	0.347	0.334	0.350	0.309	0.329	AVRG		0.33730		5.012	15.000
Chloromethane	0.464	0.448	0.484	0.461	0.427	0.436	AVRG		0.45337		4.558	15.000
Vinyl chloride	0.566	0.471	0.508	0.507	0.475	0.469	AVRG		0.49949		7.449	15.000
Bromomethane	0.185	0.209	0.209	0.208	0.216	0.210	AVRG		0.20616		5.154	15.000
Chloroethane	0.329	0.304	0.337	0.304	0.292	0.295	AVRG		0.31016		6.022	15.000
Trichlorofluoromethane	0.748	0.721	0.764	0.745	0.705	0.730	AVRG		0.73561		2.886	15.000
1,1-Dichloroethene	0.448	0.405	0.457	0.454	0.419	0.424	AVRG		0.43488		4.927	15.000
Carbon Disulfide	1.769	1.672	1.767	1.786	1.670	1.699	AVRG		1.72723		3.053	15.000
Freon-113	0.397	0.393	0.389	0.379	0.361	0.366	AVRG		0.38106		3.900	15.000
Methylene Chloride	0.632	0.573	0.546	0.559	0.532	0.532	AVRG		0.56212		6.681	15.000
Acetone	5541	7384	20311	36436	69628	152970	2ORDR	-0.1572	13.6343	-8.7452	0.99466	0.99000
trans-1,2-Dichloroethene	0.460	0.465	0.470	0.498	0.467	0.484	AVRG		0.47410		2.968	15.000
Methyl tert-butyl ether	1.369	0.999	1.801	0.700	0.692	0.490	AVRG		1.00876		49.011	15.000 <-
1,1-Dichloroethane	0.919	0.914	1.014	0.948	0.909	0.966	AVRG		0.94517		4.270	15.000
cis-1,2-Dichloroethene	0.465	0.497	0.502	0.521	0.495	0.497	AVRG		0.49629		3.650	15.000
1,2-Dichloroethylene (total)	0.926	0.962	0.973	1.019	0.962	0.980	AVRG		0.97039		3.141	15.000
Chloroform	1.081	1.028	1.056	1.066	0.987	1.039	AVRG		1.04305		3.182	15.000
Carbon Tetrachloride	0.491	0.472	0.496	0.483	0.468	0.474	AVRG		0.48058		2.290	15.000
1,1,1-Trichloroethane	0.847	0.880	0.874	0.892	0.825	0.868	AVRG		0.86419		2.824	15.000
2-Butanone	3034	7213	18353	34359	70239	145890	LINR	3e-002	10.1888		0.99209	0.99000
Benzene	1.347	1.372	1.419	1.428	1.361	1.349	AVRG		1.37943		2.563	15.000
Cyclohexane	0.786	0.828	0.758	0.790	0.749	0.756	AVRG		0.77788		3.848	15.000
1,2-Dichloroethane	0.630	0.570	0.627	0.599	0.576	0.619	AVRG		0.60346		4.330	15.000
Trichloroethene	0.325	0.315	0.327	0.354	0.338	0.325	AVRG		0.33068		4.032	15.000
1,2-Dichloropropane	0.345	0.320	0.332	0.335	0.335	0.326	AVRG		0.33211		2.620	15.000
Bromodichloromethane	0.512	0.521	0.523	0.530	0.523	0.526	AVRG		0.52258		1.137	15.000
cis-1,3-dichloropropene	0.558	0.572	0.626	0.571	0.585	0.601	AVRG		0.58539		4.195	15.000
Toluene	0.805	0.803	0.845	0.845	0.815	0.799	AVRG		0.81872		2.580	15.000
4-methyl-2-pentanone	0.351	0.335	0.449	0.327	0.321	0.370	AVRG		0.35876		13.246	15.000
Tetrachloroethene	0.276	0.287	0.310	0.299	0.304	0.281	AVRG		0.29300		4.635	15.000
trans-1,3-Dichloropropene	0.558	0.572	0.626	0.571	0.585	0.601	AVRG		0.58539		4.195	15.000
1,1,2-Trichloroethane	0.429	0.378	0.456	0.352	0.370	0.409	AVRG		0.39905		9.793	15.000
Dibromochloromethane	0.424	0.407	0.476	0.441	0.438	0.452	AVRG		0.43965		5.313	15.000
1,2-Dibromoethane	0.305	0.316	0.339	0.296	0.301	0.316	AVRG		0.31204		4.881	15.000
2-Hexanone	18915	45291	110460	203120	403350	876530	LINR	2e-002	2.27136		0.99318	0.99000
Chlorobenzene	0.973	0.968	1.033	1.001	0.975	0.938	AVRG		0.98150		3.271	15.000
Ethylbenzene	1.687	1.696	1.797	1.757	1.775	1.753	AVRG		1.74403		2.492	15.000
Xylenes (total)							AVRG					0.000
m+p-Xylenes	0.662	0.638	0.685	0.696	0.672	0.645	AVRG		0.66661		3.372	15.000
o-Xylene	0.644	0.632	0.673	0.655	0.655	0.642	AVRG		0.65011		2.195	15.000
Styrene	0.924	0.913	0.977	0.996	1.027	1.009	AVRG		0.97429		4.751	15.000
Bromoform	0.257	0.256	0.322	0.258	0.272	0.287	AVRG		0.27533		9.360	15.000
Isopropylbenzene	2.956	2.820	2.738	2.950	2.772	2.716	AVRG		2.82534		3.716	15.000
1,1,2,2-Tetrachloroethane	0.938	0.804	0.928	0.763	0.759	0.823	AVRG		0.83581		9.456	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-F Calibration Date(s): 05/23/03 05/23/03

Column: RTX-624 ID: 0.18 (mm) Calibration Time(s): 1216 1459

LAB FILE ID: RF5: F0307 RF10: F0306 RF20: F0304
RF50: F0305 RF100: F0309 RF200: F0308

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,3,5-Trimethylbenzene	2.417	2.315	2.395	2.588	2.428	2.409	AVRG		2.42530		3.676	15.000
1,2,4-Trimethylbenzene	2.624	2.612	2.534	2.754	2.560	2.562	AVRG		2.60772		3.042	15.000
1,3-Dichlorobenzene	1.659	1.588	1.530	1.581	1.472	1.478	AVRG		1.55138		4.636	15.000
1,4-Dichlorobenzene	1.642	1.532	1.568	1.553	1.530	1.482	AVRG		1.55097		3.418	15.000
1,2-Dichlorobenzene	1.516	1.416	1.457	1.432	1.362	1.374	AVRG		1.42619		3.963	15.000
1,2-Dibromo-3-Chloropropane	6245	10453	21927	37708	84013	179880	LINR	4e-003	6.38185		0.99306	0.99000
1,2,4-Trichlorobenzene	0.795	0.833	0.818	0.715	0.751	0.770	AVRG		0.78042		5.621	15.000
Methyl Acetate	11668	20885	67948	105180	255420	521640	LINR	6e-002	2.82614		0.99045	0.99000
Methylcyclohexane	0.803	0.740	0.777	0.769	0.728	0.740	AVRG		0.75937		3.753	15.000
Dibromofluoromethane	0.514	0.521	0.555	0.523	0.504	0.527	AVRG		0.52407		3.291	15.000
1,2-Dichloroethane-D4	0.794	0.786	0.808	0.780	0.739	0.819	AVRG		0.78786		3.525	15.000
Toluene-D8	1.013	1.021	1.036	1.056	1.015	1.004	AVRG		1.02409		1.850	15.000
P-Bromofluorobenzene	0.445	0.483	0.491	0.470	0.469	0.485	AVRG		0.47389		3.510	15.000

Average %RSD test result.

Calculate Average %RSD: 5.447108269
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-F Calibration Date: 05/25/03 Time: 0957

Lab File ID: F0329 Init. Calib. Date(s): 05/23/03 05/23/03

Init. Calib. Times: 1216 1459

GC Column: RTX-624 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	0.3370000	0.3720100	0.3720100	0.01	10.39		AVRG
Chloromethane	0.4530000	0.4268000	0.4268000	0.1	-5.78		AVRG
Vinyl chloride	0.4990000	0.4860800	0.4860800	0.01	-2.59	20.00	AVRG
Bromomethane	0.2060000	0.2164300	0.2164300	0.01	5.06		AVRG
Chloroethane	0.3100000	0.3026200	0.3026200	0.01	-2.38		AVRG
Trichlorofluoromethane	0.7360000	0.8130700	0.8130700	0.01	10.47		AVRG
1,1-Dichloroethene	0.4340000	0.4148300	0.4148300	0.1	-4.42	20.00	AVRG
Carbon Disulfide	1.7270000	1.6376000	1.6376000	0.01	-5.18		AVRG
Freon-113	0.3810000	0.3665800	0.3665800	0.01	-3.78		AVRG
Methylene Chloride	0.5620000	0.5273900	0.5273900	0.01	-6.16		AVRG
Acetone	61.506000	50.000000	0.1094300	0.01	23.01	~~20.00~~ 2RDR	
trans-1,2-Dichloroethene	0.4740000	0.4724300	0.4724300	0.01	-0.33		AVRG
Methyl tert-butyl ether	1.0080000	1.3554000	1.3554000	0.01	34.46		AVRG
1,1-Dichloroethane	0.9450000	0.9667100	0.9667100	0.01	2.30		AVRG
cis-1,2-Dichloroethene	0.4960000	0.5007300	0.5007300	0.01	0.95		AVRG
1,2-Dichloroethylene (total)	0.9700000	0.9731500	0.9731500	0.01	0.32		AVRG
Chloroform	1.0430000	1.0444000	1.0444000	0.01	0.13	20.00	AVRG
Carbon Tetrachloride	0.4810000	0.5214100	0.5214100	0.01	8.40		AVRG
1,1,1-Trichloroethane	0.8640000	0.9112200	0.9112200	0.01	5.46		AVRG
2-Butanone	53.853000	50.000000	0.1024300	0.01	7.71	20.00	LINR
Benzene	1.3790000	1.3296000	1.3296000	0.01	-3.58		AVRG
Cyclohexane	0.7780000	0.7247400	0.7247400	0.01	-6.84		AVRG
1,2-Dichloroethane	0.6040000	0.6745000	0.6745000	0.01	11.67		AVRG
Trichloroethene	0.3310000	0.3583600	0.3583600	0.01	8.26		AVRG
1,2-Dichloropropane	0.3320000	0.3063000	0.3063000	0.01	-7.74	20.00	AVRG
Bromodichloromethane	0.5220000	0.5554800	0.5554800	0.01	6.41		AVRG
cis-1,3-dichloropropene	0.5860000	0.6361800	0.6361800	0.01	8.56		AVRG
Toluene	0.8190000	0.8016700	0.8016700	0.01	-2.12	20.00	AVRG
4-methyl-2-pentanone	0.3590000	0.3907400	0.3907400	0.01	8.84		AVRG

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-F Calibration Date: 05/25/03 Time: 0957

Lab File ID: F0329 Init. Calib. Date(s): 05/23/03 05/23/03

Init. Calib. Times: 1216 1459

GC Column: RTX-624 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	
Tetrachloroethene	0.2930000	0.2891700	0.2891700	0.01	-1.31		AVRG	
trans-1,3-Dichloropropene	0.5860000	0.6361800	0.6361800	0.01	8.56		AVRG	
1,1,2-Trichloroethane	0.3990000	0.4516800	0.4516800	0.01	13.20		AVRG	
Dibromochloromethane	0.4400000	0.4658100	0.4658100	0.01	5.86		AVRG	
1,2-Dibromoethane	0.3120000	0.3331300	0.3331300	0.01	6.77		AVRG	
2-Hexanone	53.191000	50.000000	0.4582900	0.01	6.38	20.00	LINR	
Chlorobenzene	0.9810000	0.9503600	0.9503600	0.3	-3.12		AVRG	
Ethylbenzene	1.7440000	1.6507000	1.6507000	0.01	-5.35	20.00	AVRG	
Xylenes (total)	0.0000000	0.6344000	0.6344000	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6660000	0.6421800	0.6421800	0.01	-3.58		AVRG	
o-Xylene	0.6500000	0.6188300	0.6188300	0.01	-4.80		AVRG	
Styrene	0.9740000	0.9572800	0.9572800	0.01	-1.72		AVRG	
Bromoform	0.2750000	0.2983300	0.2983300	0.1	8.48		AVRG	
Isopropylbenzene	2.8250000	2.7333000	2.7333000	0.01	-3.25		AVRG	
1,1,2,2-Tetrachloroethane	0.8360000	0.8576600	0.8576600	0.3	2.59		AVRG	
1,3,5-Trimethylbenzene	2.4250000	2.4108000	2.4108000	0.01	-0.58		AVRG	
1,2,4-Trimethylbenzene	2.6080000	2.6141000	2.6141000	0.01	0.23		AVRG	
1,3-Dichlorobenzene	1.5510000	1.5846000	1.5846000	0.01	2.17		AVRG	
1,4-Dichlorobenzene	1.5510000	1.5846000	1.5846000	0.01	2.17		AVRG	
1,2-Dichlorobenzene	1.4260000	1.4703000	1.4703000	0.01	3.11		AVRG	
1,2-Dibromo-3-Chloropropane	62.840000	50.000000	0.1962500	0.01	25.68	20.00	LINR	<-
1,2,4-Trichlorobenzene	0.7800000	0.8283800	0.8283800	0.01	6.20		AVRG	
Methyl Acetate	52.718000	50.000000	0.3509000	0.01	5.44		LINR	
Methylcyclohexane	0.7600000	0.7280500	0.7280500	0.01	-4.20		AVRG	
Dibromofluoromethane	0.5240000	0.5446800	0.5446800	0.01	3.95		AVRG	
1,2-Dichloroethane-D4	0.7880000	0.8823800	0.8823800	0.01	11.98		AVRG	
Toluene-D8	1.0240000	1.0522000	1.0522000	0.01	2.75		AVRG	
P-Bromofluorobenzene	0.4740000	0.5405400	0.5405400	0.01	14.04		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-2

Instrument ID: GCMS-F Calibration Date: 05/27/03 Time: 1155

Lab File ID: F0353 Init. Calib. Date(s): 05/23/03 05/23/03

Init. Calib. Times: 1216 1459

GC Column: RTX-624 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	0.3370000	0.3711900	0.3711900	0.01	10.14		AVRG	
Chloromethane	0.4530000	0.4349100	0.4349100	0.1	-3.99		AVRG	
Vinyl chloride	0.4990000	0.5255100	0.5255100	0.01	5.31	20.00	AVRG	
Bromomethane	0.2060000	0.2332300	0.2332300	0.01	13.22		AVRG	
Chloroethane	0.3100000	0.3537000	0.3537000	0.01	14.10		AVRG	
Trichlorofluoromethane	0.7360000	0.9061700	0.9061700	0.01	23.12		AVRG	
1,1-Dichloroethene	0.4340000	0.4624400	0.4624400	0.1	6.55	20.00	AVRG	
Carbon Disulfide	1.7270000	1.8139000	1.8139000	0.01	5.03		AVRG	
Freon-113	0.3810000	0.4312800	0.4312800	0.01	13.20		AVRG	
Methylene Chloride	0.5620000	0.5621900	0.5621900	0.01	0.03		AVRG	
Acetone	75.207000	50.000000	0.1332300	0.01	50.41	20.00	2RDR	<-
trans-1,2-Dichloroethene	0.4740000	0.4971400	0.4971400	0.01	4.88		AVRG	
Methyl tert-butyl ether	1.0080000	1.9366000	1.9366000	0.01	92.12		AVRG	
1,1-Dichloroethane	0.9450000	0.9938500	0.9938500	0.01	5.17		AVRG	
cis-1,2-Dichloroethene	0.4960000	0.5078300	0.5078300	0.01	2.38		AVRG	
1,2-Dichloroethylene (total)	0.9700000	1.0050000	1.0050000	0.01	3.61		AVRG	
Chloroform	1.0430000	1.0917000	1.0917000	0.01	4.67	20.00	AVRG	
Carbon Tetrachloride	0.4810000	6.82e-002	6.82e-002	0.01	-85.82		AVRG	
1,1,1-Trichloroethane	0.8640000	0.9283400	0.9283400	0.01	7.45		AVRG	
2-Butanone	67.218000	50.000000	0.1286700	0.01	34.44	20.00	LINR	<-
Benzene	1.3790000	1.2756000	1.2756000	0.01	-7.50		AVRG	
Cyclohexane	0.7780000	0.6839100	0.6839100	0.01	-12.09		AVRG	
1,2-Dichloroethane	0.6040000	0.6961800	0.6961800	0.01	15.26		AVRG	
Trichloroethene	0.3310000	0.3231500	0.3231500	0.01	-2.37		AVRG	
1,2-Dichloropropane	0.3320000	0.2900400	0.2900400	0.01	-12.64	20.00	AVRG	
Bromodichloromethane	0.5220000	0.5487700	0.5487700	0.01	5.13		AVRG	
cis-1,3-dichloropropene	0.5860000	0.6202900	0.6202900	0.01	5.85		AVRG	
Toluene	0.8190000	0.7796700	0.7796700	0.01	-4.80	20.00	AVRG	
4-methyl-2-pentanone	0.3590000	0.4135600	0.4135600	0.01	15.20		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO287 SDG No.: CTO287-2

Instrument ID: GCMS-F Calibration Date: 05/27/03 Time: 1155

Lab File ID: F0353 Init. Calib. Date(s): 05/23/03 05/23/03

Init. Calib. Times: 1216 1459

GC Column: RTX-624 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	
Tetrachloroethene	0.2930000	0.2749300	0.2749300	0.01	-6.17		AVRG	
trans-1,3-Dichloropropene	0.5860000	0.6202900	0.6202900	0.01	5.85		AVRG	
1,1,2-Trichloroethane	0.3990000	0.4740200	0.4740200	0.01	18.80		AVRG	
Dibromochloromethane	0.4400000	0.4633800	0.4633800	0.01	5.31		AVRG	
1,2-Dibromoethane	0.3120000	0.3454400	0.3454400	0.01	10.72		AVRG	
2-Hexanone	60.360000	50.000000	0.5214200	0.01	20.72	20.00	LINR	<-
Chlorobenzene	0.9810000	0.9227100	0.9227100	0.3	-5.94		AVRG	
Ethylbenzene	1.7440000	1.6123000	1.6123000	0.01	-7.55	20.00	AVRG	
Xylenes (total)	0.0000000	0.6209500	0.6209500	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6660000	0.6230000	0.6230000	0.01	-6.46		AVRG	
o-Xylene	0.6500000	0.6168300	0.6168300	0.01	-5.10		AVRG	
Styrene	0.9740000	0.9414600	0.9414600	0.01	-3.34		AVRG	
Bromoform	0.2750000	0.2947400	0.2947400	0.1	7.18		AVRG	
Isopropylbenzene	2.8250000	2.6267000	2.6267000	0.01	-7.02		AVRG	
1,1,2,2-Tetrachloroethane	0.8360000	0.8791600	0.8791600	0.3	5.16		AVRG	
1,3,5-Trimethylbenzene	2.4250000	2.2903000	2.2903000	0.01	-5.55		AVRG	
1,2,4-Trimethylbenzene	2.6080000	2.4746000	2.4746000	0.01	-5.12		AVRG	
1,3-Dichlorobenzene	1.5510000	1.5372000	1.5372000	0.01	-0.89		AVRG	
1,4-Dichlorobenzene	1.5510000	1.5372000	1.5372000	0.01	-0.89		AVRG	
1,2-Dichlorobenzene	1.4260000	1.4191000	1.4191000	0.01	-0.48		AVRG	
1,2-Dibromo-3-Chloropropane	61.258000	50.000000	0.1912900	0.01	22.52	20.00	LINR	<-
1,2,4-Trichlorobenzene	0.7800000	0.8187800	0.8187800	0.01	4.97		AVRG	
Methyl Acetate	63.570000	50.000000	0.4277000	0.01	27.14		LINR	
Methylcyclohexane	0.7600000	0.6579300	0.6579300	0.01	-13.43		AVRG	
Dibromofluoromethane	0.5240000	0.5954300	0.5954300	0.01	13.63		AVRG	
1,2-Dichloroethane-D4	0.7880000	0.9309000	0.9309000	0.01	18.13		AVRG	
Toluene-D8	1.0240000	1.0268000	1.0268000	0.01	0.27		AVRG	
P-Bromofluorobenzene	0.4740000	0.5319600	0.5319600	0.01	12.23		AVRG	

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2406-2
Client ID: WG2406-Blank
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	J	0.6	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.1
1330-20-7	Xylenes (total)	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	5	1.0	5	5	0.2
95-47-6	o-Xylene	U	5	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2406-2
Client ID: WG2406-Blank
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	J	0.5	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		112%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2407-2
Client ID: WG2407-Blank
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.2
74-87-3	Chloromethane	U	5	1.0	5	5	0.3
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.1
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.3
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.2
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.2
76-13-1	Freon-113	U	5	1.0	5	5	0.5
75-09-2	Methylene Chloride	J	0.7	1.0	5	5	0.3
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.7
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.3
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.2
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.7
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	5	1.0	5	5	0.1
1735-17-7	Cyclohexane	U	5	1.0	5	5	2
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.6
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.2
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.2
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-88-3	Toluene	U	5	1.0	5	5	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.3
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.2
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.2
100-41-4	Ethylbenzene	J	0.2	1.0	5	5	0.1
1330-20-7	Xylenes (total)	J	0.6	1.0	5	5	0.3
	m+p-Xylenes	J	0.4	1.0	5	5	0.2
95-47-6	o-Xylene	J	0.2	1.0	5	5	0.2
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	J	0.2	1.0	5	5	0.2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2407-2
Client ID: WG2407-Blank
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.4
541-73-1	1,3-Dichlorobenzene	J	0.4	1.0	5	5	0.2
106-46-7	1,4-Dichlorobenzene	J	0.5	1.0	5	5	0.2
95-50-1	1,2-Dichlorobenzene	J	0.4	1.0	5	5	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	J	2	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	J	1	1.0	5	5	0.3
79-20-9	Methyl Acetate	U	5	1.0	5	5	4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
1868-53-7	Dibromofluoromethane		107%				
17060-07-0	1,2-Dichloroethane-D4		110%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER

Lab ID: WG2406-1
Client ID: WG2406-LCS
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	55		111	4-217
Chloromethane	50	NA	50		99	40-163
Vinyl chloride	50	NA	54		108	55-151
Bromomethane	50	NA	56		112	24-217
Chloroethane	50	NA	52		104	69-134
Trichlorofluoromethane	50	NA	58		117	71-147
1,1-Dichloroethene	50	NA	49		97	78-136
Carbon Disulfide	50	NA	48		96	70-136
Freon-113	50	NA	49		98	60-140
Methylene Chloride	50	NA	50		100	52-115
Acetone	50	NA	58		117	0-158
trans-1,2-Dichloroethene	50	NA	52		104	84-131
Methyl tert-butyl ether	50	NA	69	*	138	62-130
1,1-Dichloroethane	50	NA	53		107	81-134
cis-1,2-Dichloroethene	50	NA	51		102	84-123
1,2-Dichloroethylene (total)	100	NA	103		103	84-131
Chloroform	50	NA	53		105	80-130
Carbon Tetrachloride	50	NA	54		107	74-137
1,1,1-Trichloroethane	50	NA	56		113	76-138
2-Butanone	50	NA	60		120	49-154
Benzene	50	NA	47		94	88-120
Cyclohexane	50	NA	47		94	60-140
1,2-Dichloroethane	50	NA	55		109	78-138
Trichloroethene	50	NA	52		103	80-125
1,2-Dichloropropane	50	NA	47		94	80-122
Bromodichloromethane	50	NA	50		100	83-133
cis-1,3-dichloropropene	50	NA	52		105	81-138
Toluene	50	NA	48		97	88-121
4-methyl-2-pentanone	50	NA	53		106	72-140
Tetrachloroethene	50	NA	50		100	77-129
trans-1,3-Dichloropropene	50	NA	52		105	81-149
1,1,2-Trichloroethane	50	NA	57		113	82-126
Dibromochloromethane	50	NA	52		105	80-133
1,2-Dibromoethane	50	NA	52		105	88-127
2-Hexanone	50	NA	51		102	45-146
Chlorobenzene	50	NA	49		98	84-123
Ethylbenzene	50	NA	49		99	84-131
Xylenes (total)	150	NA	152		101	88-123
m+p-Xylenes	100	NA	101		101	88-122
o-Xylene	50	NA	50		100	90-123
Styrene	50	NA	51		101	87-131
Bromoform	50	NA	55		110	77-138
Isopropylbenzene	50	NA	48		97	88-125
1,1,2,2-Tetrachloroethane	50	NA	52		104	81-131
1,3-Dichlorobenzene	50	NA	49		98	86-124

FORM III VOA-1

F0330.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/25/03
Report Date: 06/26/2003
Matrix: WATER

Lab ID: WG2406-1
Client ID: WG2406-LCS
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG2406
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,4-Dichlorobenzene	50	NA	51	101	80-127
1,2-Dichlorobenzene	50	NA	51	102	86-126
1,2-Dibromo-3-Chloropropane	50	NA	61	122	61-136
1,2,4-Trichlorobenzene	50	NA	53	106	53-157
Methyl Acetate	50	NA	58	115	60-140
Methylcyclohexane	50	NA	50	99	60-140

FORM III VOA-1

F0330.D

Data File: \\Target_server\GG\chem\gcms-f.i\F052503.b\F0330.D
Report Date: 17-Jun-2003 08:30

Katahdin Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: WG2406-1
Level: LOW
Data Type: MS DATA
SpikeList File: SW8260OLM.spk
Sublist File: SW8260OLM.sub

Client SDG: WG2406
Fraction: VOA
Client Smp ID: WG2406-LCS
Operator: JSS
SampleType: LCS
Quant Type: ISTD

Method File: \\Target_server\GG\chem\gcms-f.i\F052503.b\8260olms.m
Misc Info: SW846 8260B

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	55.3	110.57	4-217
2 Chloromethane	50.0	49.6	99.23	40-163
3 Vinyl chloride	50.0	54.2	108.44	55-151
4 Bromomethane	50.0	55.9	111.81	24-217
5 Chloroethane	50.0	52.0	104.03	69-134
6 Trichlorofluoromet	50.0	58.3	116.59	71-147
9 1,1-Dichloroethene	50.0	48.6	97.22	78-136
11 Freon-113	50.0	48.8	97.66	60-140
15 Acetone	50.0	58.3	116.66	0-158
10 Carbon Disulfide	50.0	48.0	96.07	70-136
150 Methyl Acetate	50.0	57.5	115.02	60-140
14 Methylene Chloride	50.0	49.9	99.81	52-115
17 trans-1,2-Dichloro	50.0	52.2	104.41	84-131
19 Methyl tert-butyl	50.0	68.9	137.85*	62-130
26 1,1-Dichloroethane	50.0	53.4	106.73	81-134
30 cis-1,2-Dichloroet	50.0	50.8	101.70	84-123
41 2-Butanone	50.0	60.0	120.09	49-154
35 Chloroform	50.0	52.6	105.20	80-130
39 1,1,1-Trichloroeth	50.0	56.4	112.86	76-138
44 Cyclohexane	50.0	46.8	93.67	60-140
36 Carbon Tetrachlori	50.0	53.7	107.42	74-137
42 Benzene	50.0	47.2	94.39	88-120
49 1,2-Dichloroethane	50.0	54.6	109.13	78-138
50 Trichloroethene	50.0	51.5	102.98	80-125
151 Methylcyclohexane	50.0	49.5	99.00	60-140
53 1,2-Dichloropropan	50.0	47.1	94.18	80-122
54 Bromodichlorometha	50.0	50.0	100.08	83-133
55 cis-1,3-dichloropr	50.0	52.4	104.82	81-138
61 4-methyl-2-pentano	50.0	53.1	106.28	72-140
60 Toluene	50.0	48.3	96.55	88-121
63 trans-1,3-Dichloro	50.0	52.4	104.82	81-149
64 1,1,2-Trichloroeth	50.0	56.6	113.12	82-126
62 Tetrachloroethene	50.0	49.8	99.55	77-129
68 2-Hexanone	50.0	51.1	102.22	45-146
65 Dibromochlorometha	50.0	52.3	104.64	80-133
67 1,2-Dibromoethane	50.0	52.3	104.55	88-127
70 Chlorobenzene	50.0	49.2	98.45	84-123
71 Ethylbenzene	50.0	49.4	98.83	84-131
74 m+p-Xylenes	100	101	101.46	88-122
75 o-Xylene	50.0	50.2	100.51	90-123

Data File: \\Target_server\GG\chem\gcms-f.i\F052503.b\F0330.D
Report Date: 17-Jun-2003 08:30

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
M 73 Xylenes (total)	150	152	101.14	88-123
76 Styrene	50.0	50.7	101.46	87-131
77 Bromoform	50.0	55.1	110.24	77-138
78 Isopropylbenzene	50.0	48.5	97.06	88-125
85 1,1,2,2-Tetrachlor	50.0	52.0	104.01	81-131
94 1,3-Dichlorobenzen	50.0	49.2	98.44	86-124
96 1,4-Dichlorobenzen	50.0	50.6	101.19	80-127
99 1,2-Dichlorobenzen	50.0	51.2	102.41	86-126
100 1,2-Dibromo-3-Chlo	50.0	60.9	121.79	61-136
103 1,2,4-Trichloroben	50.0	52.9	105.79	53-157
M 31 1,2-Dichloroethyle	100	103	103.06	84-131

SURROGATE COMPOUND	AMOUNT ADDED ug/kg	AMOUNT RECOVERED ug/kg	% RECOVERED	LIMITS
$ 38 Dibromofluorometha	50.0	55.8	111.51	75-129
$ 46 1,2-Dichloroethane	50.0	56.6	113.13	65-135
$ 58 Toluene-D8	50.0	50.4	100.71	82-120
$ 79 P-Bromofluorobenze	50.0	55.3	110.53	69-125

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER

Lab ID: WG2407-1
Client ID: WG2407-LCS
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	51	102	4-217
Chloromethane	50	NA	41	81	40-163
Vinyl chloride	50	NA	45	90	55-151
Bromomethane	50	NA	30	61	24-217
Chloroethane	50	NA	44	89	69-134
Trichlorofluoromethane	50	NA	56	113	71-147
1,1-Dichloroethene	50	NA	48	96	78-136
Carbon Disulfide	50	NA	46	91	70-136
Freon-113	50	NA	49	98	60-140
Methylene Chloride	50	NA	47	94	52-115
Acetone	50	NA	63	125	0-158
trans-1,2-Dichloroethene	50	NA	50	100	84-131
Methyl tert-butyl ether	50	NA	44	87	62-130
1,1-Dichloroethane	50	NA	50	101	81-134
cis-1,2-Dichloroethene	50	NA	48	96	84-123
1,2-Dichloroethylene (total)	100	NA	98	98	84-131
Chloroform	50	NA	52	103	80-130
Carbon Tetrachloride	50	NA	55	109	74-137
1,1,1-Trichloroethane	50	NA	56	113	76-138
2-Butanone	50	NA	56	112	49-154
Benzene	50	NA	46	92	88-120
Cyclohexane	50	NA	42	84	60-140
1,2-Dichloroethane	50	NA	57	114	78-138
Trichloroethene	50	NA	48	97	80-125
1,2-Dichloropropane	50	NA	46	92	80-122
Bromodichloromethane	50	NA	52	104	83-133
cis-1,3-dichloropropene	50	NA	51	102	81-138
Toluene	50	NA	48	96	88-121
4-methyl-2-pentanone	50	NA	54	109	72-140
Tetrachloroethene	50	NA	47	93	77-129
trans-1,3-Dichloropropene	50	NA	51	102	81-149
1,1,2-Trichloroethane	50	NA	55	109	82-126
Dibromochloromethane	50	NA	52	104	80-133
1,2-Dibromoethane	50	NA	52	105	88-127
2-Hexanone	50	NA	54	109	45-146
Chlorobenzene	50	NA	48	95	84-123
Ethylbenzene	50	NA	46	93	84-131
Xylenes (total)	150	NA	142	95	88-123
m+p-Xylenes	100	NA	94	94	88-122
o-Xylene	50	NA	48	96	90-123
Styrene	50	NA	49	98	87-131
Bromoform	50	NA	54	108	77-138
Isopropylbenzene	50	NA	47	94	88-125
1,1,2,2-Tetrachloroethane	50	NA	49	98	81-131
1,3-Dichlorobenzene	50	NA	47	94	86-124

FORM III VOA-1

F0354.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER

Lab ID: WG2407-1
Client ID: WG2407-LCS
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,4-Dichlorobenzene	50	NA	50	101	80-127
1,2-Dichlorobenzene	50	NA	49	98	86-126
1,2-Dibromo-3-Chloropropane	50	NA	60	121	61-136
1,2,4-Trichlorobenzene	50	NA	51	103	53-157
Methyl Acetate	50	NA	54	108	60-140
Methylcyclohexane	50	NA	45	91	60-140

FORM III VOA-1

F0354.D

Data File: \\Target_server\GG\chem\gcms-f.i\F052703.b\F0354.D
Report Date: 17-Jun-2003 08:28

Katahdin Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: WG2407-1
Level: LOW
Data Type: MS DATA
SpikeList File: SW8260OLM.spk
Sublist File: SW8260OLM.sub

Client SDG: WG2407
Fraction: VOA
Client Smp ID: WG2407-LCS
Operator: JLP
SampleType: LCS
Quant Type: ISTD

Method File: \\Target_server\GG\chem\gcms-f.i\F052703.b\8260olms.m
Misc Info: SW846 8260B

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	51.2	102.48	4-217
2 Chloromethane	50.0	40.6	81.23	40-163
3 Vinyl chloride	50.0	44.9	89.85	55-151
4 Bromomethane	50.0	30.4	60.70	24-217
5 Chloroethane	50.0	44.5	88.92	69-134
6 Trichlorofluoromet	50.0	56.5	113.05	71-147
9 1,1-Dichloroethene	50.0	47.8	95.62	78-136
11 Freon-113	50.0	48.8	97.58	60-140
15 Acetone	50.0	62.6	125.16	0-158
10 Carbon Disulfide	50.0	45.6	91.30	70-136
150 Methyl Acetate	50.0	54.1	108.20	60-140
14 Methylene Chloride	50.0	46.8	93.67	52-115
17 trans-1,2-Dichloro	50.0	50.2	100.32	84-131
19 Methyl tert-butyl	50.0	43.7	87.37	62-130
26 1,1-Dichloroethane	50.0	50.4	100.71	81-134
30 cis-1,2-Dichloroet	50.0	47.9	95.76	84-123
41 2-Butanone	50.0	56.2	112.33	49-154
35 Chloroform	50.0	51.5	103.05	80-130
39 1,1,1-Trichloroeth	50.0	56.3	112.69	76-138
44 Cyclohexane	50.0	42.1	84.12	60-140
36 Carbon Tetrachlori	50.0	54.7	109.47	74-137
42 Benzene	50.0	46.2	92.44	88-120
49 1,2-Dichloroethane	50.0	56.8	113.56	78-138
50 Trichloroethene	50.0	48.4	96.76	80-125
151 Methylcyclohexane	50.0	45.3	90.53	60-140
53 1,2-Dichloropropan	50.0	46.0	92.05	80-122
54 Bromodichlorometha	50.0	52.2	104.44	83-133
55 cis-1,3-dichloropr	50.0	51.2	102.44	81-138
61 4-methyl-2-pentano	50.0	54.4	108.80	72-140
60 Toluene	50.0	47.8	95.52	88-121
63 trans-1,3-Dichloro	50.0	51.2	102.44	81-149
64 1,1,2-Trichloroeth	50.0	54.7	109.38	82-126
62 Tetrachloroethene	50.0	46.7	93.42	77-129
68 2-Hexanone	50.0	54.5	108.96	45-146
65 Dibromochlorometha	50.0	51.8	103.63	80-133
67 1,2-Dibromoethane	50.0	52.4	104.87	88-127
70 Chlorobenzene	50.0	47.5	95.09	84-123
71 Ethylbenzene	50.0	46.5	93.01	84-131
74 m+p-Xylenes	100	94.2	94.24	88-122
75 o-Xylene	50.0	48.0	96.04	90-123

Data File: \\Target_server\GG\chem\gcms-f.i\F052703.b\F0354.D
Report Date: 17-Jun-2003 08:28

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
M 73 Xylenes (total)	150	142	94.84	88-123
76 Styrene	50.0	49.2	98.33	87-131
77 Bromoform	50.0	54.1	108.18	77-138
78 Isopropylbenzene	50.0	46.8	93.51	88-125
85 1,1,2,2-Tetrachlor	50.0	49.2	98.41	81-131
94 1,3-Dichlorobenzen	50.0	47.0	94.01	86-124
96 1,4-Dichlorobenzen	50.0	50.3	100.59	80-127
99 1,2-Dichlorobenzen	50.0	49.0	97.99	86-126
100 1,2-Dibromo-3-Chlo	50.0	60.4	120.85	61-136
103 1,2,4-Trichloroben	50.0	51.4	102.72	53-157
M 31 1,2-Dichloroethyle	100	98.0	98.04	84-131

SURROGATE COMPOUND	AMOUNT ADDED ug/kg	AMOUNT RECOVERED ug/kg	% RECOVERED	LIMITS
$ 38 Dibromofluorometha	50.0	55.2	110.44	75-129
$ 46 1,2-Dichloroethane	50.0	57.8	115.60	65-135
$ 58 Toluene-D8	50.0	49.8	99.70	82-120
$ 79 P-Bromofluorobenze	50.0	54.9	109.81	69-125

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER

Lab ID: WG2407-3 & WG2407-4
Client ID: 13GLM02S02MS & 13GLM02S02MSD
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
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	46	44	93	88	6	20	60-140
Chloromethane	50	50	0.00	37	32	73	65	12	20	60-140
Vinyl chloride	50	50	0.00	40	37	79	74	6	20	60-140
Bromomethane	50	50	1.2	38	37	74	72	3	20	60-140
Chloroethane	50	50	0.00	43	39	86	78	10	20	60-140
Trichlorofluoromethane	50	50	0.00	56	51	112	102	10	20	60-140
1,1-Dichloroethene	50	50	0.00	45	40	89	81	10	20	44-167
Carbon Disulfide	50	50	0.00	44	40	88	79	10	20	60-140
Freon-113	50	50	0.00	49	43	98	86	13	20	60-140
Methylene Chloride	50	50	0.00	47	38	94	77	20	20	60-140
Acetone	50	50	0.00	19	21	* 38	* 42	11	20	60-140
trans-1,2-Dichloroethene	50	50	0.00	48	44	96	89	8	20	60-140
Methyl tert-butyl ether	100	100	0.00	50	86	* 50	86 *	54	20	60-140
1,1-Dichloroethane	50	50	0.00	47	45	95	90	5	20	60-140
cis-1,2-Dichloroethene	50	50	0.00	48	43	96	87	10	20	60-140
1,2-Dichloroethylene (total)	100	100	0.00	96	88	96	88	9	20	60-140
Chloroform	50	50	0.00	51	47	102	94	9	20	60-140
Carbon Tetrachloride	50	50	0.00	54	46	109	91	17	20	60-140
1,1,1-Trichloroethane	50	50	0.00	55	48	110	96	14	20	60-140
2-Butanone	50	50	0.00	27	29	* 54	* 57	7	20	60-140
Benzene	50	50	0.00	44	37	88	75	16	20	64-140
Cyclohexane	50	50	0.00	41	36	82	72	12	20	60-140
1,2-Dichloroethane	50	50	0.00	57	54	113	108	4	20	60-140
Trichloroethene	50	50	0.00	50	46	100	91	9	20	62-134
1,2-Dichloropropane	50	50	0.00	42	37	84	74	13	20	60-140
Bromodichloromethane	50	50	0.00	51	47	103	93	10	20	60-140
cis-1,3-dichloropropene	50	50	0.00	52	47	103	95	9	20	60-140
Toluene	50	50	0.00	45	38	91	77	16	20	65-142
4-methyl-2-pentanone	50	50	0.00	47	47	94	95	0.6	20	60-140
Tetrachloroethene	50	50	0.00	46	40	91	80	14	20	60-140
trans-1,3-Dichloropropene	50	50	0.00	52	47	103	95	9	20	60-140
1,1,2-Trichloroethane	50	50	0.00	53	54	107	107	0.6	20	60-140
Dibromochloromethane	50	50	0.00	51	50	102	101	0.8	20	60-140
1,2-Dibromoethane	50	50	0.00	53	48	106	97	9	20	60-140
2-Hexanone	50	50	0.00	30	34	61	69	12	20	60-140
Chlorobenzene	50	50	0.00	47	42	94	85	10	20	68-140
Ethylbenzene	50	50	0.00	46	40	91	80	13	20	60-140
Xylenes (total)	150	150	0.00	140	124	93	83	12	20	60-140
m+p-Xylenes	100	100	0.00	92	83	92	83	11	20	60-140
o-Xylene	50	50	0.00	48	41	95	83	14	20	60-140
Styrene	50	50	0.00	47	43	93	85	9	20	60-140
Bromoform	50	50	0.00	53	51	105	103	3	20	60-140
Isopropylbenzene	50	50	0.00	45	41	90	83	8	20	60-140
1,1,2,2-Tetrachloroethane	50	50	0.00	47	50	95	100	6	20	60-140
1,3-Dichlorobenzene	50	50	0.00	46	44	92	88	4	20	60-140

FORM III VOA-1

F0357.D & F0358.D

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date: 05/15/03
Received Date: 05/16/03
Extraction Date:
Analysis Date: 05/27/03
Report Date: 06/26/2003
Matrix: WATER

Lab ID: WG2407-3 & WG2407-4
Client ID: 13GLM02S02MS & 13GLM02S02MSD
SDG: CTO287-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG2407
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,4-Dichlorobenzene	50	50	0.19	47	43	94	86	9	20	60-140
1,2-Dichlorobenzene	50	50	0.00	48	46	96	93	3	20	60-140
1,2-Dibromo-3-Chloropropane	50	50	0.00	61	64	122	128	5	20	60-140
1,2,4-Trichlorobenzene	50	50	0.61	48	48	96	94	2	20	60-140
Methyl Acetate	50	50	0.00	51	57	101	113	11	20	60-140
Methylcyclohexane	50	50	0.00	46	38	92	75	19	20	60-140

FORM III VOA-1

F0357.D & F0358.D

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG2354-BLANK	WG2354-1	47	49	68	59	65	83			0
02	WG2354-LCS	WG2354-2	33	44	71	78	63	82			0
03	WG2354-LCSD	WG2354-3	60	62	71	70	87	68			0
04	10GLM04R01	WT1128-1	48	56	61	63	90	70			0
05	10GLM05DR01	WT1128-3	4*	22	90	87	12*	88			2
06	10GLM0202	WT1128-5	58	61	75	75	85	89			0
07	10GLM0801	WT1128-7	31	46	80	92	74	89			0
08	10GLMRL051403	WT1128-9	49	53	59	62	77	93			0
09	03GLM0202	WT1128-11	9*	45	88	91	38	98			1
10	WG2353-BLANK	WG2353-1	0*	3*	80	79	0*	91			3
11	WG2353-LCS	WG2353-2	37	25	74	74	102	75			0
12	WG2353-LCSD	WG2353-3	46	31	78	77	95	104			0
13	13GLM02D02	WT1147-1	47	28	76	74	80	80			0
14	13GLM02S02	WT1147-3	50	32	69	66	75	91			0
15	13GLM0202	WT1147-5	48	28	75	69	76	70			0
16	03GLM0302	WT1147-7	45	26	65	60	77	65			0
17	13GLM09I02	WT1147-9	50	29	74	66	95	71			0
18	13GLM09S02	WT1147-11	48	30	79	79	84	78			0
19	13RL051503	WT1147-13	54	35	74	72	83	83			0
20	13GLM05S02	WT1147-16	45	27	70	66	94	88			0
21	13GLM05I02	WT1147-18	47	30	71	66	95	78			0
22	WG2641-BLANK	WG2641-1	74	80	79	68	85	87			0
23	WG2641-LCS	WG2641-2	32	37	65	69	58	84			0
24	WG2641-LCSD	WG2641-3	56	62	67	66	108	66			0
25	13GLM02D02	WT1147-1RE	55	59	63	56	81	59			0
26	13GLM02S02	WT1147-3RE	52	53	54	51	74	64			0
27	03GLM0302	WT1147-7RE	57	62	63	60	80	68			0
28	13GLM09I02	WT1147-9RE	38	58	62	59	33	68			0

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(20- 95)
S2 (PHL)	= Phenol-D6	(10-115)
S3 (NBZ)	= Nitrobenzene-D5	(36-117)
S4 (FBP)	= 2-Fluorobiphenyl	(47-114)
S5 (TBP)	= 2,4,6-Tribromophenol	(20-137)
S6 (TPH)	= Terphenyl-D14	(35-126)

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

FORM II SV-1

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	13RL051503	WT1147-13RE	52	57	59	52	57	73			0
02	13GLM05S02	WT1147-16RE	47	46	54	55	61	70			0
03	13GLM0202	WT1147-5RERA	58	60	66	64	100	90			0
04	13GLM05I02	WT1147-18RERA	55	71	76	76	100	101			0
05	13GLM09S02	WT1147-11RERA	74	83	90	88	104	58			0
06											
07											
08											
09											
10											
11											
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28											

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(20- 95)
S2 (PHL)	= Phenol-D6	(10-115)
S3 (NBZ)	= Nitrobenzene-D5	(36-117)
S4 (FBP)	= 2-Fluorobiphenyl	(47-114)
S5 (TBP)	= 2,4,6-Tribromophenol	(20-137)
S6 (TPH)	= Terphenyl-D14	(35-126)

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

FORM II SV-1

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2354-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287

SDG No.: CTO287-2

Lab File ID: K4354

Lab Sample ID: WG2354-1

Instrument ID: GCMS-K

Date Extracted: 05/21/03

Matrix: (soil/water) WATER

Date Analyzed: 05/27/03

Level: (low/med) LOW

Time Analyzed: 1727

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	WG2354-LCS	WG2354-2	K4355	05/27/03	1818
02	WG2354-LCSD	WG2354-3	K4486	06/05/03	1915
03	10GLM04R01	WT1128-1	K4492	06/06/03	0011
04	10GLM05DR01	WT1128-3	K4511	06/09/03	2040
05	10GLM0202	WT1128-5	K4512	06/09/03	2128
06	10GLM0801	WT1128-7	K4513	06/09/03	2218
07	10GLMRL051403	WT1128-9	K4514	06/09/03	2309
08	03GLM0202	WT1128-11	K4515	06/09/03	2358
09					
10					
11					
12					
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COMMENTS:

FORM IV SV

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2353-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287

SDG No.: CTO287-2

Lab File ID: K4523

Lab Sample ID: WG2353-1

Instrument ID: GCMS-K

Date Extracted: 05/21/03

Matrix: (soil/water) WATER

Date Analyzed: 06/10/03

Level: (low/med) LOW

Time Analyzed: 1653

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	WG2353-LCS	WG2353-2	K4524	06/10/03	1744
02	WG2353-LCSD	WG2353-3	K4525	06/10/03	1834
03	13GLM02D02	WT1147-1	K4529	06/10/03	2153
04	13GLM02S02	WT1147-3	K4530	06/10/03	2243
05	13GLM0202	WT1147-5	K4531	06/10/03	2332
06	03GLM0302	WT1147-7	K4532	06/11/03	0022
07	13GLM09I02	WT1147-9	K4533	06/11/03	0113
08	13GLM09S02	WT1147-11	K4537	06/11/03	1321
09	13RL051503	WT1147-13	K4538	06/11/03	1410
10	13GLM05S02	WT1147-16	K4539	06/11/03	1500
11	13GLM05I02	WT1147-18	K4540	06/11/03	1550
12					
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COMMENTS:

FORM IV SV

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG2641-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287

SDG No.: CTO287-2

Lab File ID: K4727

Lab Sample ID: WG2641-1

Instrument ID: GCMS-K

Date Extracted: 06/18/03

Matrix: (soil/water) WATER

Date Analyzed: 06/21/03

Level:(low/med) LOW

Time Analyzed: 1630

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	WG2641-LCS	WG2641-2	K4728	06/21/03	1719
02	WG2641-LCSD	WG2641-3	K4729	06/21/03	1807
03	13GLM02D02	WT1147-1RE	K4732	06/21/03	2031
04	13GLM02S02	WT1147-3RE	K4733	06/21/03	2118
05	03GLM0302	WT1147-7RE	K4735	06/21/03	2254
06	13GLM09I02	WT1147-9RE	K4736	06/21/03	2341
07	13RL051503	WT1147-13RE	K4737	06/22/03	0029
08	13GLM05S02	WT1147-16RE	K4748	06/22/03	0928
09	13GLM0202	WT1147-5RERA	K4761	06/23/03	1439
10	13GLM05I02	WT1147-18RERA	K4762	06/23/03	1528
11	13GLM09S02	WT1147-11RERA	K4763	06/23/03	1617
12					
13					
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COMMENTS:

FORM IV SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID: KD056 DFTPP Injection Date: 05/09/03

Instrument ID: GCMS-K DFTPP Injection Time: 1135

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	59.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.4
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	7.2
275	10.0 - 30.0% of mass 198	21.5
365	1.0 - 100.0% of mass 198	1.5
441	0.0 - 100.0% of mass 443	11.0 (70.9)2
442	40.0 - 100.0% of mass 198	78.0
443	17.0 - 23.0% of mass 442	15.5 (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		SSTD010K0509	K4150	05/09/03	1252
02		SSTD020K0509	K4151	05/09/03	1344
03		SSTD080K0509	K4152	05/09/03	1436
04		SSTD050K0509	K4155	05/09/03	1711
05		SSTD160K0509	K4156	05/09/03	1803
06		SSTD120K0509	K4157	05/09/03	1858
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID: KD071 DFTPP Injection Date: 05/27/03

Instrument ID: GCMS-K DFTPP Injection Time: 1610

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	49.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	60.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	21.3
365	1.0 - 100.0% of mass 198	2.0
441	0.0 - 100.0% of mass 443	9.7 (72.8)2
442	40.0 - 100.0% of mass 198	65.3
443	17.0 - 23.0% of mass 442	13.4 (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		SSTD050K0527	K4353	05/27/03	1635
02	WG2354-BLANK	WG2354-1	K4354	05/27/03	1727
03	WG2354-LCS	WG2354-2	K4355	05/27/03	1818
04					
05					
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID: KD081 DFTPP Injection Date: 06/05/03

Instrument ID: GCMS-K DFTPP Injection Time: 1301

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	61.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	45.4
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	6.6
275	10.0 - 30.0% of mass 198	23.6
365	1.0 - 100.0% of mass 198	2.7
441	0.0 - 100.0% of mass 443	10.9 (77.0)2
442	40.0 - 100.0% of mass 198	65.9
443	17.0 - 23.0% of mass 442	14.2 (21.5)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		SSTD050K0605	K4479	06/05/03	1326
02	WG2354-LCSD	WG2354-3	K4486	06/05/03	1915
03	10GLM04R01	WT1128-1	K4492	06/06/03	0011
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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16					
17					
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19					
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID: KD084 DFTPP Injection Date: 06/09/03

Instrument ID: GCMS-K DFTPP Injection Time: 1742

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	45.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	56.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	44.3
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	22.0
365	1.0 - 100.0% of mass 198	1.9
441	0.0 - 100.0% of mass 443	12.1 (90.4)2
442	40.0 - 100.0% of mass 198	73.0
443	17.0 - 23.0% of mass 442	13.4 (18.4)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		SSTD050K0609	K4508	06/09/03	1807
02	10GLM05DR01	WT1128-3	K4511	06/09/03	2040
03	10GLM0202	WT1128-5	K4512	06/09/03	2128
04	10GLM0801	WT1128-7	K4513	06/09/03	2218
05	10GLMRL051403	WT1128-9	K4514	06/09/03	2309
06	03GLM0202	WT1128-11	K4515	06/09/03	2358
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID: KD085 DFTPP Injection Date: 06/10/03

Instrument ID: GCMS-K DFTPP Injection Time: 1536

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	57.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.5
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	7.2
275	10.0 - 30.0% of mass 198	19.7
365	1.0 - 100.0% of mass 198	1.7
441	0.0 - 100.0% of mass 443	12.0 (78.0)2
442	40.0 - 100.0% of mass 198	76.2
443	17.0 - 23.0% of mass 442	15.4 (20.2)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		SSTD050K0610	K4522	06/10/03	1602
02	WG2353-BLANK	WG2353-1	K4523	06/10/03	1653
03	WG2353-LCS	WG2353-2	K4524	06/10/03	1744
04	WG2353-LCSD	WG2353-3	K4525	06/10/03	1834
05	13GLM02D02	WT1147-1	K4529	06/10/03	2153
06	13GLM02S02	WT1147-3	K4530	06/10/03	2243
07	13GLM0202	WT1147-5	K4531	06/10/03	2332
08	03GLM0302	WT1147-7	K4532	06/11/03	0022
09	13GLM09I02	WT1147-9	K4533	06/11/03	0113
10					
11					
12					
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14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID: KD086 DFTPP Injection Date: 06/11/03

Instrument ID: GCMS-K DFTPP Injection Time: 1200

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	49.0
68	Less than 2.0% of mass 69	0.5 (0.8)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	41.0
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	8.0
275	10.0 - 30.0% of mass 198	19.9
365	1.0 - 100.0% of mass 198	2.5
441	0.0 - 100.0% of mass 443	10.8 (81.5)2
442	40.0 - 100.0% of mass 198	64.1
443	17.0 - 23.0% of mass 442	13.3 (20.7)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		SSTD050K0611	K4536	06/11/03	1231
02	13GLM09S02	WT1147-11	K4537	06/11/03	1321
03	13RL051503	WT1147-13	K4538	06/11/03	1410
04	13GLM05S02	WT1147-16	K4539	06/11/03	1500
05	13GLM05I02	WT1147-18	K4540	06/11/03	1550
06					
07					
08					
09					
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID: KD100 DFTPP Injection Date: 06/21/03

Instrument ID: GCMS-K DFTPP Injection Time: 1253

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	62.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.5
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	7.2
275	10.0 - 30.0% of mass 198	20.0
365	1.0 - 100.0% of mass 198	1.8
441	0.0 - 100.0% of mass 443	12.5 (82.3)2
442	40.0 - 100.0% of mass 198	69.6
443	17.0 - 23.0% of mass 442	15.2 (21.8)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		SSTD050K0621	K4725	06/21/03	1454
02	WG2641-BLANK	WG2641-1	K4727	06/21/03	1630
03	WG2641-LCS	WG2641-2	K4728	06/21/03	1719
04	WG2641-LCSD	WG2641-3	K4729	06/21/03	1807
05	13GLM02D02	WT1147-1RE	K4732	06/21/03	2031
06	13GLM02S02	WT1147-3RE	K4733	06/21/03	2118
07	03GLM0302	WT1147-7RE	K4735	06/21/03	2254
08	13GLM09I02	WT1147-9RE	K4736	06/21/03	2341
09	13RL051503	WT1147-13RE	K4737	06/22/03	0029
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID: KD101 DFTPP Injection Date: 06/22/03

Instrument ID: GCMS-K DFTPP Injection Time: 0107

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	62.8
70	Less than 2.0% of mass 69	0.0 (0.0)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	7.5
275	10.0 - 30.0% of mass 198	21.5
365	1.0 - 100.0% of mass 198	2.2
441	0.0 - 100.0% of mass 443	12.1 (83.7)2
442	40.0 - 100.0% of mass 198	69.6
443	17.0 - 23.0% of mass 442	14.4 (20.7)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		SSTD050K0621B	K4738	06/22/03	0131
02	13GLM05S02	WT1147-16RE	K4748	06/22/03	0928
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID: KD103 DFTPP Injection Date: 06/23/03

Instrument ID: GCMS-K DFTPP Injection Time: 1052

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	58.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.1
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	6.9
275	10.0 - 30.0% of mass 198	18.9
365	1.0 - 100.0% of mass 198	2.3
441	0.0 - 100.0% of mass 443	12.1 (78.7)2
442	40.0 - 100.0% of mass 198	79.5
443	17.0 - 23.0% of mass 442	15.4 (19.4)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		SSTD050K0623	K4758	06/23/03	1207
02	13GLM0202	WT1147-5RERA	K4761	06/23/03	1439
03	13GLM05I02	WT1147-18RERA	K4762	06/23/03	1528
04	13GLM09S02	WT1147-11RERA	K4763	06/23/03	1617
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FORM V SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID (Standard): K4522 Date Analyzed: 06/10/03

Instrument ID: GCMS-K Time Analyzed: 1602

	CLIENT SAMPLE ID	LAB SAMPLE ID	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD		209788	8.43	612799	11.26	250362	15.37
	UPPER LIMIT		419576	8.93	1225598	11.76	500724	15.87
	LOWER LIMIT		104894	7.93	306400	10.76	125181	14.87
01	WG2353-BLANK	WG2353-1	107828	8.42	325582	11.26	152089	15.37
02	WG2353-LCS	WG2353-2	129790	8.42	354380	11.25	163814	15.36
03	WG2353-LCSD	WG2353-3	119759	8.42	348086	11.26	148774	15.38
04	13GLM02D02	WT1147-1	112908	8.41	330902	11.25	159385	15.36
05	13GLM02S02	WT1147-3	89133*	8.42	290037*	11.25	139617	15.36
06	13GLM0202	WT1147-5	78961*	8.42	246506*	11.24	116533*	15.36
07	03GLM0302	WT1147-7	87281*	8.41	263879*	11.25	131164	15.36
08	13GLM09I02	WT1147-9	80144*	8.42	231932*	11.25	123266*	15.36
09								
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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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID (Standard): K4522 Date Analyzed: 06/10/03

Instrument ID: GCMS-K Time Analyzed: 1602

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		337699	18.81	183196	25.11	113658	28.25
UPPER LIMIT		675398	19.31	366392	25.61	227316	28.75
LOWER LIMIT		168850	18.31	91598	24.61	56829	27.75
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2353-BLANK	WG2353-1	217461	18.81	152100	25.10	99522	28.24
02 WG2353-LCS	WG2353-2	226520	18.81	167124	25.11	108631	28.26
03 WG2353-LCSD	WG2353-3	219083	18.81	109675	25.11	72549	28.26
04 13GLM02D02	WT1147-1	221274	18.81	157235	25.10	95890	28.25
05 13GLM02S02	WT1147-3	190221	18.81	124362	25.11	98827	28.26
06 13GLM0202	WT1147-5	148772*	18.80	96556	25.10	61247	28.25
07 03GLM0302	WT1147-7	183675	18.81	146090	25.11	90797	28.25
08 13GLM09I02	WT1147-9	184462	18.80	152952	25.10	98583	28.25
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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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID (Standard): K4725 Date Analyzed: 06/21/03

Instrument ID: GCMS-K Time Analyzed: 1454

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		179460	8.10	483914	10.91	205279	15.00
UPPER LIMIT		358920	8.60	967828	11.41	410558	15.50
LOWER LIMIT		89730	7.60	241957	10.41	102640	14.50
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2641-BLANK	WG2641-1	154653	8.10	489705	10.91	202697	15.00
02 WG2641-LCS	WG2641-2	184909	8.10	575615	10.92	249824	15.00
03 WG2641-LCSD	WG2641-3	213097	8.10	634705	10.92	211717	15.00
04 13GLM02D02	WT1147-1RE	161610	8.10	526567	10.91	238766	15.00
05 13GLM02S02	WT1147-3RE	171846	8.09	517033	10.91	239605	15.00
06 03GLM0302	WT1147-7RE	199403	8.10	643857	10.91	287582	15.00
07 13GLM09I02	WT1147-9RE	186931	8.10	620532	10.91	277321	15.00
08 13RL051503	WT1147-13RE	169724	8.10	557093	10.91	257797	15.00
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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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID (Standard): K4725 Date Analyzed: 06/21/03

Instrument ID: GCMS-K Time Analyzed: 1454

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		256603	18.42	180261	24.69	110277	27.82
UPPER LIMIT		513206	18.92	360522	25.19	220554	28.32
LOWER LIMIT		128302	17.92	90131	24.19	55139	27.32
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG2641-BLANK	WG2641-1	259396	18.42	185677	24.68	155361	27.81
02	WG2641-LCS	WG2641-2	282165	18.43	154549	24.69	100342	27.82
03	WG2641-LCSD	WG2641-3	392373	18.43	312785	24.69	176356	27.82
04	13GLM02D02	WT1147-1RE	334758	18.42	217285	24.68	125757	27.82
05	13GLM02S02	WT1147-3RE	321102	18.42	297763	24.69	148601	27.83
06	03GLM0302	WT1147-7RE	387245	18.42	273744	24.68	145482	27.82
07	13GLM09I02	WT1147-9RE	368775	18.42	231963	24.68	123198	27.82
08	13RL051503	WT1147-13RE	315632	18.42	206124	24.69	119768	27.82
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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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID (Standard): K4738 Date Analyzed: 06/22/03

Instrument ID: GCMS-K Time Analyzed: 0131

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		248096	8.10	751329	10.92	312138	15.00
UPPER LIMIT		496192	8.60	1502658	11.42	624276	15.50
LOWER LIMIT		124048	7.60	375665	10.42	156069	14.50
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM05S02	WT1147-16RE	315898	8.10	915501	10.92	388141	15.01
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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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID (Standard): K4738 Date Analyzed: 06/22/03

Instrument ID: GCMS-K Time Analyzed: 0131

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		415988	18.43	310330	24.70	178472	27.83
UPPER LIMIT		831976	18.93	620660	25.20	356944	28.33
LOWER LIMIT		207994	17.93	155165	24.20	89236	27.33
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM05S02	WT1147-16RE	491488	18.43	259822	24.70	108337	27.84
02							
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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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID (Standard): K4758 Date Analyzed: 06/23/03

Instrument ID: GCMS-K Time Analyzed: 1207

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		216200	8.03	739307	10.84	318496	14.93
UPPER LIMIT		432400	8.53	1478614	11.34	636992	15.43
LOWER LIMIT		108100	7.53	369654	10.34	159248	14.43
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM0202	WT1147-5RERA	233404	8.02	647344	10.84	278884	14.92
02 13GLM05I02	WT1147-18RERA	260716	8.03	741217	10.83	323919	14.92
03 13GLM09S02	WT1147-11RERA	208141	8.02	602282	10.84	274533	14.92
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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: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID (Standard): K4758 Date Analyzed: 06/23/03

Instrument ID: GCMS-K Time Analyzed: 1207

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		419517	18.34	301026	24.61	174871	27.73
UPPER LIMIT		839034	18.84	602052	25.11	349742	28.23
LOWER LIMIT		209759	17.84	150513	24.11	87436	27.23
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 13GLM0202	WT1147-5RERA	372362	18.33	256873	24.60	148190	27.71
02 13GLM05I02	WT1147-18RERA	447117	18.33	274799	24.60	156985	27.72
03 13GLM09S02	WT1147-11RERA	366996	18.34	237910	24.61	135480	27.73
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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 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
1,4-Dioxane							AVRG					0.000	<-
Pyridine	1.779	2.073	1.770	1.909	1.703	1.754	AVRG		1.83127		7.456	15.000	
N-Nitrosodimethylamine	0.832	0.832	0.868	0.886	0.830	0.909	AVRG		0.85933		3.902	15.000	
Aniline	1.674	1.744	1.621	1.696	1.533	1.682	AVRG		1.65829		4.402	15.000	
Phenol	1.493	1.546	1.464	1.508	1.338	1.438	AVRG		1.46462		4.927	15.000	
Bis(2-Chloroethyl)ether	1.307	1.289	1.188	1.198	1.078	1.121	AVRG		1.19676		7.529	15.000	
2-Chlorophenol	1.282	1.278	1.236	1.235	1.093	1.172	AVRG		1.21615		5.948	15.000	
1,3-Dichlorobenzene	1.413	1.394	1.295	1.345	1.185	1.308	AVRG		1.32329		6.210	15.000	
1,4-Dichlorobenzene	1.470	1.435	1.303	1.343	1.191	1.322	AVRG		1.34406		7.415	15.000	
1,2-Dichlorobenzene	1.321	1.327	1.194	1.215	1.048	1.126	AVRG		1.20495		9.059	15.000	
Benzyl alcohol	0.669	0.714	0.673	0.672	0.556	0.600	AVRG		0.64735		8.934	15.000	
2,2'-Oxybis(1-Chloropropane)	2.445	2.507	2.232	2.357	1.993	2.209	AVRG		2.29031		8.139	15.000	
2-Methylphenol	1.008	1.051	0.941	0.964	0.845	0.917	AVRG		0.95419		7.554	15.000	
Hexachloroethane	0.604	0.601	0.577	0.575	0.471	0.502	AVRG		0.55503		9.943	15.000	
N-Nitroso-di-n-propylamine	0.853	0.871	0.792	0.800	0.695	0.714	AVRG		0.78750		9.028	15.000	
4-Methylphenol	1.093	1.076	0.959	0.980	0.852	0.883	AVRG		0.97384		10.076	15.000	
Nitrobenzene	0.349	0.343	0.374	0.367	0.371	0.398	AVRG		0.36693		5.357	15.000	
Isophorone	0.690	0.694	0.676	0.689	0.658	0.708	AVRG		0.68578		2.460	15.000	
2-Nitrophenol	15874	36308	103530	203240	256370	382820	LINR	0.16930	4.99521		0.99750	0.99000	
2,4-Dimethylphenol	0.361	0.354	0.358	0.352	0.346	0.365	AVRG		0.35620		1.899	15.000	
Bis(2-Chloroethoxy)methane	0.462	0.454	0.435	0.441	0.412	0.447	AVRG		0.44181		3.868	15.000	
2,4-Dichlorophenol	0.285	0.288	0.291	0.286	0.281	0.287	AVRG		0.28641		1.226	15.000	
1,2,4-Trichlorobenzene	0.350	0.326	0.319	0.309	0.312	0.314	AVRG		0.32167		4.721	15.000	
Naphthalene	0.978	0.923	0.913	0.892	0.834	0.886	AVRG		0.90448		5.271	15.000	
Benzoic acid	11306	30533	91037	182880	228700	340860	LINR	0.18857	5.56664		0.99812	0.99000	
4-Chloroaniline	0.377	0.392	0.388	0.385	0.358	0.390	AVRG		0.38182		3.323	15.000	
Hexachlorobutadiene	0.190	0.188	0.186	0.175	0.171	0.173	AVRG		0.18054		4.576	15.000	
4-Chloro-3-Methylphenol	0.270	0.280	0.293	0.287	0.281	0.307	AVRG		0.28652		4.370	15.000	
2-Methylnaphthalene	0.597	0.570	0.540	0.521	0.497	0.539	AVRG		0.54388		6.493	15.000	
1-Methylnaphthalene	0.602	0.567	0.488	0.526	0.459	0.491	AVRG		0.52246		10.317	15.000	
Hexachlorocyclopentadiene	0.327	0.341	0.385	0.390	0.387	0.430	AVRG		0.37647		9.894	15.000	
2,4,6-Trichlorophenol	0.397	0.382	0.415	0.395	0.397	0.424	AVRG		0.40172		3.804	15.000	
2,4,5-Trichlorophenol	0.422	0.404	0.448	0.430	0.435	0.464	AVRG		0.43407		4.734	15.000	
2-Chloronaphthalene	1.241	1.218	1.153	1.083	1.041	1.132	AVRG		1.14472		6.711	15.000	
Diethyl Adipate	0.450	0.418	0.393	0.401	0.358	0.396	AVRG		0.40266		7.514	15.000	
2-Nitroaniline	18333	41753	111490	207350	243460	419280	2ORDR	-3e-002	3.00836	-0.4846	0.99604	0.99000	
Acenaphthylene	1.874	1.814	1.832	1.722	1.637	1.823	AVRG		1.78364		4.907	15.000	
Dimethyl Phthalate	1.377	1.308	1.312	1.251	1.175	1.297	AVRG		1.28669		5.281	15.000	
2,6-Dinitrotoluene	10516	25151	73977	134540	168940	263730	LINR	0.21044	3.17162		0.99091	0.99000	
Acenaphthene	1.222	1.162	1.108	1.051	1.000	1.134	AVRG		1.11283		7.110	15.000	
3-Nitroaniline	11522	26868	77687	141570	174870	287630	2ORDR	2e-002	4.12780	-0.8705	0.99741	0.99000	
2,4-Dinitrophenol	2119	5237	23562	48128	67336	116880	2ORDR	0.19995	10.9924	-7.4522	0.99903	0.99000	
Dibenzofuran	1.566	1.498	1.485	1.402	1.334	1.494	AVRG		1.46329		5.616	15.000	
4-Nitrophenol	5294	13416	45657	79400	100840	175050	2ORDR	6e-002	7.19096	-2.8974	0.99524	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

LAB FILE ID: RF10: K4150 RF20: K4151 RF50: K4155
RF80: K4152 RF120: K4157 RF160: K4156

COMPOUND	RF10	RF20	RF50	RF80	RF120	RF160	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
2,4-Dinitrotoluene	13312	32487	92385	175890	217050	353260	2ORDR	4e-002	3.30651	-0.5535	0.99850	0.99000	
Fluorene	1.111	1.063	1.078	1.022	0.986	1.094	AVRG		1.05906		4.425	15.000	
Diethylphthalate	1.345	1.305	1.248	1.212	1.132	1.315	AVRG		1.25952		6.240	15.000	
4-Chlorophenyl-phenylether	0.602	0.553	0.529	0.512	0.509	0.536	AVRG		0.54021		6.319	15.000	
4-Nitroaniline	6836	17613	62754	109900	140540	232520	2ORDR	9e-002	5.01262	-1.3018	0.99602	0.99000	
4,6-Dinitro-2-Methylphenol	3557	9826	35082	70792	89582	155960	2ORDR	0.15696	10.1397	-5.5093	0.99969	0.99000	
N-Nitrosodiphenylamine	0.580	0.564	0.548	0.545	0.537	0.578	AVRG		0.55846		3.226	15.000	
1,2-Diphenylhydrazine	1.109	1.126	1.110	1.082	1.033	1.245	AVRG		1.11741		6.314	15.000	
4-Bromophenyl-phenylether	0.232	0.249	0.226	0.237	0.221	0.233	AVRG		0.23284		4.048	15.000	
Hexachlorobenzene	0.304	0.309	0.280	0.289	0.282	0.293	AVRG		0.29288		4.031	15.000	
Pentachlorophenol	7288	18983	57971	110100	129440	216200	LINR	0.21583	5.29664		0.99365	0.99000	
Phenanthrene	1.128	1.108	1.028	0.998	0.970	1.052	AVRG		1.04734		5.883	15.000	
Anthracene	1.041	1.022	0.997	0.983	0.950	1.033	AVRG		1.00449		3.429	15.000	
Carbazole	0.884	0.846	0.826	0.774	0.723	0.820	AVRG		0.81239		6.962	15.000	
Di-n-butylphthalate	1.194	1.217	1.187	1.250	1.149	1.287	AVRG		1.21394		4.044	15.000	
Fluoranthene	0.937	0.879	0.894	0.877	0.842	0.912	AVRG		0.89016		3.672	15.000	
Benzidine	0.028	0.019	0.056	0.066	0.076	0.081	AVRG		5e-002		47.169	15.000	<-
Pyrene	1.557	1.545	1.435	1.389	1.381	1.396	AVRG		1.45053		5.529	15.000	
Butylbenzylphthalate	0.665	0.654	0.694	0.660	0.684	0.718	AVRG		0.67920		3.609	15.000	
Bis(2-Ethylhexyl)Adipate	0.500	0.549	0.566	0.550	0.555	0.605	AVRG		0.55448		6.094	15.000	
Benzo(a)anthracene	1.030	1.005	1.046	1.000	0.973	1.080	AVRG		1.02230		3.702	15.000	
Chrysene	1.085	1.012	1.024	0.956	0.950	0.989	AVRG		1.00268		4.984	15.000	
3,3'-Dichlorobenzidine	0.286	0.266	0.298	0.278	0.276	0.302	AVRG		0.28457		4.803	15.000	
bis(2-Ethylhexyl)phthalate	0.870	0.878	0.900	0.907	0.918	0.959	AVRG		0.90540		3.502	15.000	
Di-n-octylphthalate	1.923	2.235	2.174	2.088	2.158	2.408	AVRG		2.16446		7.403	15.000	
Benzo(b)fluoranthene	1.558	1.537	1.415	1.408	1.502	1.583	AVRG		1.50053		4.939	15.000	
Benzo(k)fluoranthene	1.690	1.638	1.651	1.541	1.550	1.551	AVRG		1.60351		3.996	15.000	
Benzo(a)pyrene	1.327	1.305	1.298	1.238	1.293	1.386	AVRG		1.30779		3.704	15.000	
Indeno(1,2,3-cd)pyrene	1.015	1.122	1.179	1.110	1.247	1.382	AVRG		1.17603		10.806	15.000	
Dibenzo(a,h)anthracene	1.060	1.092	1.198	1.114	1.263	1.337	AVRG		1.17742		9.157	15.000	
Benzo(g,h,i)perylene	1.123	1.167	1.245	1.157	1.301	1.388	AVRG		1.23025		8.198	15.000	
Benzaldehyde	0.142	0.169	0.229	0.284	0.265	0.166	AVRG		0.20905		27.926	15.000	<-
Acetophenone	1.719	1.689	1.585	1.653	1.445	1.563	AVRG		1.60905		6.220	15.000	
Caprolactam	0.086	0.098	0.106	0.103	0.098	0.112	AVRG		0.10032		8.686	15.000	
1,1'-Biphenyl	1.560	1.510	1.468	1.363	1.330	1.438	AVRG		1.44500		6.034	15.000	
Atrazine	0.208	0.214	0.203	0.202	0.195	0.210	AVRG		0.20525		3.282	15.000	
2-Fluorophenol	1.189	1.199	1.198	1.214	1.127	1.212	AVRG		1.18972		2.706	15.000	
Phenol-D6	1.504	1.455	1.423	1.429	1.297	1.367	AVRG		1.41253		5.103	15.000	
Nitrobenzene-D5	0.300	0.316	0.354	0.338	0.358	0.393	AVRG		0.34309		9.637	15.000	
2-Fluorobiphenyl	1.305	1.246	1.218	1.166	1.132	1.228	AVRG		1.21599		4.979	15.000	
2,4,6-Tribromophenol	0.168	0.169	0.192	0.188	0.191	0.213	AVRG		0.18673		8.974	15.000	
Terphenyl-D14	0.986	0.917	0.892	0.872	0.858	0.874	AVRG		0.89992		5.187	15.000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date(s): 05/09/03 05/09/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1201 1858

Average %RSD test result.

Calculate Average %RSD: 6.687792778
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 05/27/03 Time: 1635

Lab File ID: K4353 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.5744000	1.5744000	0.01	7.54	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.1840000	1.1840000	0.01	-1.09		AVRG
2-Chlorophenol	1.2160000	1.2339000	1.2339000	0.01	1.47		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.2874000	2.2874000	0.01	-0.11		AVRG
2-Methylphenol	0.9540000	0.9909200	0.9909200	0.01	3.87		AVRG
Hexachloroethane	0.5550000	0.5707600	0.5707600	0.01	2.84		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7801700	0.7801700	0.05	-0.99		AVRG
4-Methylphenol	0.9740000	1.0541000	1.0541000	0.01	8.22		AVRG
Nitrobenzene	0.3670000	0.3977100	0.3977100	0.01	8.37		AVRG
Isophorone	0.6860000	0.7194300	0.7194300	0.01	4.87		AVRG
2-Nitrophenol	55.312000	50.000000	0.1943500	0.01	10.62		LINR
2,4-Dimethylphenol	0.3560000	0.3603200	0.3603200	0.01	1.21		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4339400	0.4339400	0.01	-1.82		AVRG
2,4-Dichlorophenol	0.2860000	0.3053500	0.3053500	0.01	6.76	20.00	AVRG
4-Chloroaniline	0.3820000	0.3941700	0.3941700	0.01	3.18		AVRG
Hexachlorobutadiene	0.1800000	0.1901800	0.1901800	0.01	5.66	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2958300	0.2958300	0.01	3.44	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3994000	0.3994000	0.05	5.94		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4475400	0.4475400	0.01	11.33	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4572600	0.4572600	0.01	5.36		AVRG
2-Chloronaphthalene	1.1450000	1.2079000	1.2079000	0.01	5.49		AVRG
2-Nitroaniline	59.712000	50.000000	0.4438000	0.01	19.42		2RDR
Dimethyl Phthalate	1.2870000	1.3528000	1.3528000	0.01	5.11		AVRG
2,6-Dinitrotoluene	58.454000	50.000000	0.3155300	0.01	16.91		LINR
3-Nitroaniline	59.782000	50.000000	0.3107400	0.01	19.56		2RDR
2,4-Dinitrophenol	50.582000	50.000000	8.34e-002	0.05	1.16		2RDR
Dibenzofuran	1.4630000	1.5037000	1.5037000	0.01	2.78		AVRG
4-Nitrophenol	49.244000	50.000000	0.1400900	0.05	-1.51		2RDR
2,4-Dinitrotoluene	61.192000	50.000000	0.3917700	0.01	22.38		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 05/27/03 Time: 1635

Lab File ID: K4353 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.2684000	1.2684000	0.01	0.67		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5444000	0.5444000	0.01	0.81		AVRG
4-Nitroaniline	59.608000	50.000000	0.2427100	0.01	19.22		2RDR
4,6-Dinitro-2-Methylphenol	62.034000	50.000000	0.1197100	0.01	24.07		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5914200	0.5914200	0.01	5.80	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2635200	0.2635200	0.01	13.10		AVRG
Hexachlorobenzene	0.2930000	0.3385400	0.3385400	0.01	15.54		AVRG
Pentachlorophenol	45.016000	50.000000	0.1373800	0.01	-9.97		LINR
Carbazole	0.8120000	0.7921100	0.7921100	0.01	-2.45		AVRG
Di-n-butylphthalate	1.2140000	1.2246000	1.2246000	0.01	0.87		AVRG
Butylbenzylphthalate	0.6790000	0.7568400	0.7568400	0.01	11.46		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3198900	0.3198900	0.01	12.64		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.9461500	0.9461500	0.01	4.55		AVRG
Di-n-octylphthalate	2.1640000	2.4293000	2.4293000	0.01	12.26	20.00	AVRG
Benzaldehyde	0.2090000	0.6807700	0.6807700	0.01	225.73		AVRG
Acetophenone	1.6090000	1.5378000	1.5378000	0.01	-4.42		AVRG
Caprolactam	0.1000000	0.1015100	0.1015100	0.01	1.51		AVRG
1,1'-Biphenyl	1.4450000	1.5017000	1.5017000	0.01	3.92		AVRG
Atrazine	0.2050000	0.2071600	0.2071600	0.01	1.05		AVRG
2-Fluorophenol	1.1900000	1.2438000	1.2438000	0.01	4.52		AVRG
Phenol-D6	1.4120000	1.4800000	1.4800000	0.01	4.82		AVRG
Nitrobenzene-D5	0.3430000	0.3776800	0.3776800	0.01	10.11		AVRG
2-Fluorobiphenyl	1.2160000	1.3029000	1.3029000	0.01	7.15		AVRG
2,4,6-Tribromophenol	0.1870000	0.2163000	0.2163000	0.01	15.67		AVRG
Terphenyl-D14	0.9000000	1.1003000	1.1003000	0.01	22.26		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/05/03 Time: 1326

Lab File ID: K4479 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.4113000	1.4113000	0.01	-3.60	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.1616000	1.1616000	0.01	-2.96		AVRG
2-Chlorophenol	1.2160000	1.1839000	1.1839000	0.01	-2.64		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.3178000	2.3178000	0.01	1.21		AVRG
2-Methylphenol	0.9540000	0.9551800	0.9551800	0.01	0.12		AVRG
Hexachloroethane	0.5550000	0.5276400	0.5276400	0.01	-4.93		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7726200	0.7726200	0.05	-1.95		AVRG
4-Methylphenol	0.9740000	0.9723000	0.9723000	0.01	-0.17		AVRG
Nitrobenzene	0.3670000	0.3763100	0.3763100	0.01	2.54		AVRG
Isophorone	0.6860000	0.6499900	0.6499900	0.01	-5.25		AVRG
2-Nitrophenol	56.436000	50.000000	0.1988500	0.01	12.87		LINR
2,4-Dimethylphenol	0.3560000	0.3433100	0.3433100	0.01	-3.56		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4188400	0.4188400	0.01	-5.24		AVRG
2,4-Dichlorophenol	0.2860000	0.2900500	0.2900500	0.01	1.42	20.00	AVRG
4-Chloroaniline	0.3820000	0.3976100	0.3976100	0.01	4.09		AVRG
Hexachlorobutadiene	0.1800000	0.2059300	0.2059300	0.01	14.41	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2936100	0.2936100	0.01	2.66	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3690100	0.3690100	0.05	-2.12		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4121500	0.4121500	0.01	2.52	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4318400	0.4318400	0.01	-0.50		AVRG
2-Chloronaphthalene	1.1450000	1.0644000	1.0644000	0.01	-7.04		AVRG
2-Nitroaniline	54.601000	50.000000	0.4028400	0.01	9.20		2RDR
Dimethyl Phthalate	1.2870000	1.1924000	1.1924000	0.01	-7.35		AVRG
2,6-Dinitrotoluene	55.593000	50.000000	0.2974900	0.01	11.19		LINR
3-Nitroaniline	53.210000	50.000000	0.2731000	0.01	6.42		2RDR
2,4-Dinitrophenol	67.752000	50.000000	0.1211600	0.05	35.50		2RDR
Dibenzofuran	1.4630000	1.3413000	1.3413000	0.01	-8.32		AVRG
4-Nitrophenol	44.502000	50.000000	0.1248700	0.05	-11.00		2RDR
2,4-Dinitrotoluene	55.483000	50.000000	0.3508800	0.01	10.97		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/05/03 Time: 1326

Lab File ID: K4479 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1003000	1.1003000	0.01	-12.68		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.4954600	0.4954600	0.01	-8.25		AVRG
4-Nitroaniline	54.978000	50.000000	0.2209600	0.01	9.96		2RDR
4,6-Dinitro-2-Methylphenol	68.064000	50.000000	0.1340800	0.01	36.13		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5468600	0.5468600	0.01	-2.17	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2370400	0.2370400	0.01	1.73		AVRG
Hexachlorobenzene	0.2930000	0.2923200	0.2923200	0.01	-0.23		AVRG
Pentachlorophenol	51.286000	50.000000	0.1610600	0.01	2.57		LINR
Carbazole	0.8120000	0.6967900	0.6967900	0.01	-14.19		AVRG
Di-n-butylphthalate	1.2140000	1.1146000	1.1146000	0.01	-8.19		AVRG
Butylbenzylphthalate	0.6790000	0.6022600	0.6022600	0.01	-11.30		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3065500	0.3065500	0.01	7.94		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8456400	0.8456400	0.01	-6.56		AVRG
Di-n-octylphthalate	2.1640000	2.0428000	2.0428000	0.01	-5.60	20.00	AVRG
Benzaldehyde	0.2090000	0.7171600	0.7171600	0.01	243.14		AVRG
Acetophenone	1.6090000	1.4815000	1.4815000	0.01	-7.92		AVRG
Caprolactam	0.1000000	9.81e-002	9.81e-002	0.01	-1.90		AVRG
1,1'-Biphenyl	1.4450000	1.3617000	1.3617000	0.01	-5.76		AVRG
Atrazine	0.2050000	0.1676100	0.1676100	0.01	-18.24		AVRG
2-Fluorophenol	1.1900000	1.1622000	1.1622000	0.01	-2.34		AVRG
Phenol-D6	1.4120000	1.3782000	1.3782000	0.01	-2.39		AVRG
Nitrobenzene-D5	0.3430000	0.3716800	0.3716800	0.01	8.36		AVRG
2-Fluorobiphenyl	1.2160000	1.1819000	1.1819000	0.01	-2.80		AVRG
2,4,6-Tribromophenol	0.1870000	0.2005700	0.2005700	0.01	7.26		AVRG
Terphenyl-D14	0.9000000	0.8472000	0.8472000	0.01	-5.87		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/09/03 Time: 1807

Lab File ID: K4508 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.2948000	1.2948000	0.01	-11.56	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.0125000	1.0125000	0.01	-15.41		AVRG
2-Chlorophenol	1.2160000	1.0523000	1.0523000	0.01	-13.46		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.0052000	2.0052000	0.01	-12.44		AVRG
2-Methylphenol	0.9540000	0.8282000	0.8282000	0.01	-13.19		AVRG
Hexachloroethane	0.5550000	0.5021700	0.5021700	0.01	-9.52		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.6455800	0.6455800	0.05	-18.07		AVRG
4-Methylphenol	0.9740000	0.8777600	0.8777600	0.01	-9.88		AVRG
Nitrobenzene	0.3670000	0.3236800	0.3236800	0.01	-11.80		AVRG
Isophorone	0.6860000	0.5989500	0.5989500	0.01	-12.69		AVRG
2-Nitrophenol	50.844000	50.000000	0.1764600	0.01	1.69		LINR
2,4-Dimethylphenol	0.3560000	0.2968900	0.2968900	0.01	-16.60		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.3765100	0.3765100	0.01	-14.82		AVRG
2,4-Dichlorophenol	0.2860000	0.2559400	0.2559400	0.01	-10.51	20.00	AVRG
4-Chloroaniline	0.3820000	0.3324800	0.3324800	0.01	-12.96		AVRG
Hexachlorobutadiene	0.1800000	0.1683600	0.1683600	0.01	-6.47	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2379100	0.2379100	0.01	-16.82	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3407200	0.3407200	0.05	-9.62		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3293500	0.3293500	0.01	-18.07	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.3429200	0.3429200	0.01	-20.99		AVRG
2-Chloronaphthalene	1.1450000	0.9057300	0.9057300	0.01	-20.90		AVRG
2-Nitroaniline	42.878000	50.000000	0.3118000	0.01	-14.24		2RDR
Dimethyl Phthalate	1.2870000	1.0479000	1.0479000	0.01	-18.58		AVRG
2,6-Dinitrotoluene	48.821000	50.000000	0.2547800	0.01	-2.36		LINR
3-Nitroaniline	51.076000	50.000000	0.2610700	0.01	2.15		2RDR
2,4-Dinitrophenol	78.812000	50.000000	0.1472000	0.05	57.62		2RDR
Dibenzofuran	1.4630000	1.1510000	1.1510000	0.01	-21.33		AVRG
4-Nitrophenol	36.617000	50.000000	0.1001400	0.05	-26.77		2RDR
2,4-Dinitrotoluene	51.729000	50.000000	0.3244400	0.01	3.46		2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/09/03 Time: 1807

Lab File ID: K4508 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.0164000	1.0164000	0.01	-19.33		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.4382800	0.4382800	0.01	-18.84		AVRG
4-Nitroaniline	52.423000	50.000000	0.2091100	0.01	4.85		2RDR
4,6-Dinitro-2-Methylphenol	74.120000	50.000000	0.1488600	0.01	48.24		2RDR
N-Nitrosodiphenylamine	0.5590000	0.4638800	0.4638800	0.01	-17.02	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2250300	0.2250300	0.01	-3.42		AVRG
Hexachlorobenzene	0.2930000	0.2758200	0.2758200	0.01	-5.86		AVRG
Pentachlorophenol	51.989000	50.000000	0.1637100	0.01	3.98		LINR
Carbazole	0.8120000	0.6150600	0.6150600	0.01	-24.25		AVRG
Di-n-butylphthalate	1.2140000	1.1161000	1.1161000	0.01	-8.06		AVRG
Butylbenzylphthalate	0.6790000	0.5806900	0.5806900	0.01	-14.48		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2575400	0.2575400	0.01	-9.32		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.7494300	0.7494300	0.01	-17.19		AVRG
Di-n-octylphthalate	2.1640000	2.0577000	2.0577000	0.01	-4.91	20.00	AVRG
Benzaldehyde	0.2090000	0.6989000	0.6989000	0.01	234.40		AVRG
Acetophenone	1.6090000	1.2844000	1.2844000	0.01	-20.17		AVRG
Caprolactam	0.1000000	8.57e-002	8.57e-002	0.01	-14.30		AVRG
1,1'-Biphenyl	1.4450000	1.0920000	1.0920000	0.01	-24.43		AVRG
Atrazine	0.2050000	0.1549700	0.1549700	0.01	-24.40		AVRG
2-Fluorophenol	1.1900000	1.0830000	1.0830000	0.01	-8.99		AVRG
Phenol-D6	1.4120000	1.1442000	1.1442000	0.01	-18.97		AVRG
Nitrobenzene-D5	0.3430000	0.3355600	0.3355600	0.01	-2.17		AVRG
2-Fluorobiphenyl	1.2160000	0.9357800	0.9357800	0.01	-23.04		AVRG
2,4,6-Tribromophenol	0.1870000	0.1821800	0.1821800	0.01	-2.58		AVRG
Terphenyl-D14	0.9000000	0.7926700	0.7926700	0.01	-11.93		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/10/03 Time: 1602

Lab File ID: K4522 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.1829000	1.1829000	0.01	-19.20	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	0.9931800	0.9931800	0.01	-17.03		AVRG
2-Chlorophenol	1.2160000	1.0081000	1.0081000	0.01	-17.10		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	1.9879000	1.9879000	0.01	-13.19		AVRG
2-Methylphenol	0.9540000	0.8330500	0.8330500	0.01	-12.68		AVRG
Hexachloroethane	0.5550000	0.4903700	0.4903700	0.01	-11.64		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.6594900	0.6594900	0.05	-16.31		AVRG
4-Methylphenol	0.9740000	0.8550600	0.8550600	0.01	-12.21		AVRG
Nitrobenzene	0.3670000	0.3369500	0.3369500	0.01	-8.19		AVRG
Isophorone	0.6860000	0.6088200	0.6088200	0.01	-11.25		AVRG
2-Nitrophenol	51.571000	50.000000	0.1793700	0.01	3.14		LINR
2,4-Dimethylphenol	0.3560000	0.2989000	0.2989000	0.01	-16.04		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.3707400	0.3707400	0.01	-16.12		AVRG
2,4-Dichlorophenol	0.2860000	0.2656600	0.2656600	0.01	-7.11	20.00	AVRG
4-Chloroaniline	0.3820000	0.3253200	0.3253200	0.01	-14.84		AVRG
Hexachlorobutadiene	0.1800000	0.1630600	0.1630600	0.01	-9.41	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2424400	0.2424400	0.01	-15.23	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4271500	0.4271500	0.05	13.30		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4108100	0.4108100	0.01	2.19	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4370900	0.4370900	0.01	0.71		AVRG
2-Chloronaphthalene	1.1450000	1.0703000	1.0703000	0.01	-6.52		AVRG
2-Nitroaniline	50.796000	50.000000	0.3728600	0.01	1.59		2RDR
Dimethyl Phthalate	1.2870000	1.1650000	1.1650000	0.01	-9.48		AVRG
2,6-Dinitrotoluene	52.053000	50.000000	0.2751600	0.01	4.11		LINR
3-Nitroaniline	48.515000	50.000000	0.2467500	0.01	-2.97		2RDR
2,4-Dinitrophenol	77.406000	50.000000	0.1438100	0.05	54.81		2RDR
Dibenzofuran	1.4630000	1.2731000	1.2731000	0.01	-12.98		AVRG
4-Nitrophenol	40.719000	50.000000	0.1129200	0.05	-18.56		2RDR
2,4-Dinitrotoluene	56.300000	50.000000	0.3566800	0.01	12.60		2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/10/03 Time: 1602

Lab File ID: K4522 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.0366000	1.0366000	0.01	-17.73		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.4998100	0.4998100	0.01	-7.44		AVRG
4-Nitroaniline	49.973000	50.000000	0.1978500	0.01	-0.05		2RDR
4,6-Dinitro-2-Methylphenol	69.301000	50.000000	0.1370700	0.01	38.60		2RDR
N-Nitrosodiphenylamine	0.5590000	0.4685000	0.4685000	0.01	-16.19	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2242400	0.2242400	0.01	-3.76		AVRG
Hexachlorobenzene	0.2930000	0.2695000	0.2695000	0.01	-8.02		AVRG
Pentachlorophenol	43.191000	50.000000	0.1304900	0.01	-13.62		LINR
Carbazole	0.8120000	0.6005400	0.6005400	0.01	-26.04		AVRG
Di-n-butylphthalate	1.2140000	1.0488000	1.0488000	0.01	-13.61		AVRG
Butylbenzylphthalate	0.6790000	0.5903900	0.5903900	0.01	-13.05		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2585000	0.2585000	0.01	-8.98		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8306600	0.8306600	0.01	-8.21		AVRG
Di-n-octylphthalate	2.1640000	1.9565000	1.9565000	0.01	-9.59	20.00	AVRG
Benzaldehyde	0.2090000	0.5529300	0.5529300	0.01	164.56		AVRG
Acetophenone	1.6090000	1.3408000	1.3408000	0.01	-16.67		AVRG
Caprolactam	0.1000000	8.91e-002	8.91e-002	0.01	-10.90		AVRG
1,1'-Biphenyl	1.4450000	1.2933000	1.2933000	0.01	-10.50		AVRG
Atrazine	0.2050000	0.1478100	0.1478100	0.01	-27.90		AVRG
2-Fluorophenol	1.1900000	1.0557000	1.0557000	0.01	-11.29		AVRG
Phenol-D6	1.4120000	1.1759000	1.1759000	0.01	-16.72		AVRG
Nitrobenzene-D5	0.3430000	0.3307600	0.3307600	0.01	-3.57		AVRG
2-Fluorobiphenyl	1.2160000	1.1753000	1.1753000	0.01	-3.35		AVRG
2,4,6-Tribromophenol	0.1870000	0.1865800	0.1865800	0.01	-0.22		AVRG
Terphenyl-D14	0.9000000	0.9046200	0.9046200	0.01	0.51		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/11/03 Time: 1231

Lab File ID: K4536 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.7417000	1.7417000	0.01	18.97	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.3862000	1.3862000	0.01	15.81		AVRG
2-Chlorophenol	1.2160000	1.4284000	1.4284000	0.01	17.47		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.2710000	2.2710000	0.01	-0.83		AVRG
2-Methylphenol	0.9540000	0.9625500	0.9625500	0.01	0.90		AVRG
Hexachloroethane	0.5550000	0.5773500	0.5773500	0.01	4.03		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.8060200	0.8060200	0.05	2.29		AVRG
4-Methylphenol	0.9740000	1.0007000	1.0007000	0.01	2.74		AVRG
Nitrobenzene	0.3670000	0.3740700	0.3740700	0.01	1.93		AVRG
Isophorone	0.6860000	0.6381000	0.6381000	0.01	-6.98		AVRG
2-Nitrophenol	56.034000	50.000000	0.1972300	0.01	12.07		LINR
2,4-Dimethylphenol	0.3560000	0.3423200	0.3423200	0.01	-3.84		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4153800	0.4153800	0.01	-6.02		AVRG
2,4-Dichlorophenol	0.2860000	0.2658500	0.2658500	0.01	-7.04	20.00	AVRG
4-Chloroaniline	0.3820000	0.3525300	0.3525300	0.01	-7.71		AVRG
Hexachlorobutadiene	0.1800000	0.1913700	0.1913700	0.01	6.32	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2676300	0.2676300	0.01	-6.42	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4400800	0.4400800	0.05	16.73		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3851000	0.3851000	0.01	-4.20	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.3984200	0.3984200	0.01	-8.20		AVRG
2-Chloronaphthalene	1.1450000	1.0793000	1.0793000	0.01	-5.74		AVRG
2-Nitroaniline	52.827000	50.000000	0.3888100	0.01	5.65		2RDR
Dimethyl Phthalate	1.2870000	1.2132000	1.2132000	0.01	-5.73		AVRG
2,6-Dinitrotoluene	52.504000	50.000000	0.2780100	0.01	5.01		LINR
3-Nitroaniline	53.633000	50.000000	0.2755000	0.01	7.27		2RDR
2,4-Dinitrophenol	76.066000	50.000000	0.1406000	0.05	52.13		2RDR
Dibenzofuran	1.4630000	1.4584000	1.4584000	0.01	-0.31		AVRG
4-Nitrophenol	44.840000	50.000000	0.1259500	0.05	-10.32		2RDR
2,4-Dinitrotoluene	60.360000	50.000000	0.3857600	0.01	20.72		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/11/03 Time: 1231

Lab File ID: K4536 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1365000	1.1365000	0.01	-9.80		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5282100	0.5282100	0.01	-2.18		AVRG
4-Nitroaniline	50.071000	50.000000	0.1983000	0.01	0.14		2RDR
4,6-Dinitro-2-Methylphenol	72.326000	50.000000	0.1444400	0.01	44.65		2RDR
N-Nitrosodiphenylamine	0.5590000	0.4947400	0.4947400	0.01	-11.50	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2272000	0.2272000	0.01	-2.49		AVRG
Hexachlorobenzene	0.2930000	0.2987400	0.2987400	0.01	1.96		AVRG
Pentachlorophenol	49.139000	50.000000	0.1529500	0.01	-1.72		LINR
Carbazole	0.8120000	0.7049800	0.7049800	0.01	-13.18		AVRG
Di-n-butylphthalate	1.2140000	1.1509000	1.1509000	0.01	-5.20		AVRG
Butylbenzylphthalate	0.6790000	0.6641700	0.6641700	0.01	-2.18		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2741500	0.2741500	0.01	-3.47		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8353600	0.8353600	0.01	-7.70		AVRG
Di-n-octylphthalate	2.1640000	2.0365000	2.0365000	0.01	-5.89	20.00	AVRG
Benzaldehyde	0.2090000	0.6409000	0.6409000	0.01	206.65		AVRG
Acetophenone	1.6090000	1.5042000	1.5042000	0.01	-6.51		AVRG
Caprolactam	0.1000000	7.95e-002	7.95e-002	0.01	-20.50		AVRG
1,1'-Biphenyl	1.4450000	1.3953000	1.3953000	0.01	-3.44		AVRG
Atrazine	0.2050000	0.1540500	0.1540500	0.01	-24.85		AVRG
2-Fluorophenol	1.1900000	1.4923000	1.4923000	0.01	25.40		AVRG
Phenol-D6	1.4120000	1.6741000	1.6741000	0.01	18.56		AVRG
Nitrobenzene-D5	0.3430000	0.3625000	0.3625000	0.01	5.68		AVRG
2-Fluorobiphenyl	1.2160000	1.1772000	1.1772000	0.01	-3.19		AVRG
2,4,6-Tribromophenol	0.1870000	0.2056300	0.2056300	0.01	9.96		AVRG
Terphenyl-D14	0.9000000	0.9524200	0.9524200	0.01	5.82		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/21/03 Time: 1454

Lab File ID: K4725 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.6960000	1.6960000	0.01	15.85	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.2719000	1.2719000	0.01	6.26		AVRG
2-Chlorophenol	1.2160000	1.2550000	1.2550000	0.01	3.21		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.3481000	2.3481000	0.01	2.54		AVRG
2-Methylphenol	0.9540000	0.9739200	0.9739200	0.01	2.09		AVRG
Hexachloroethane	0.5550000	0.5399500	0.5399500	0.01	-2.71		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.8249100	0.8249100	0.05	4.68		AVRG
4-Methylphenol	0.9740000	1.0539000	1.0539000	0.01	8.20		AVRG
Nitrobenzene	0.3670000	0.4402500	0.4402500	0.01	19.96		AVRG
Isophorone	0.6860000	0.6727200	0.6727200	0.01	-1.94		AVRG
2-Nitrophenol	54.302000	50.000000	0.1903000	0.01	8.60		LINR
2,4-Dimethylphenol	0.3560000	0.3261400	0.3261400	0.01	-8.39		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4279800	0.4279800	0.01	-3.17		AVRG
2,4-Dichlorophenol	0.2860000	0.2662900	0.2662900	0.01	-6.89	20.00	AVRG
4-Chloroaniline	0.3820000	0.3107500	0.3107500	0.01	-18.65		AVRG
Hexachlorobutadiene	0.1800000	0.1557900	0.1557900	0.01	-13.45	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2542200	0.2542200	0.01	-11.11	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3778000	0.3778000	0.05	0.21		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3819100	0.3819100	0.01	-5.00	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4087900	0.4087900	0.01	-5.81		AVRG
2-Chloronaphthalene	1.1450000	1.0853000	1.0853000	0.01	-5.21		AVRG
2-Nitroaniline	55.548000	50.000000	0.4103600	0.01	11.10		2RDR
Dimethyl Phthalate	1.2870000	1.2035000	1.2035000	0.01	-6.49		AVRG
2,6-Dinitrotoluene	56.916000	50.000000	0.3058300	0.01	13.83		LINR
3-Nitroaniline	54.564000	50.000000	0.2807900	0.01	9.13		2RDR
2,4-Dinitrophenol	85.508000	50.000000	0.1637400	0.05	71.02		2RDR
Dibenzofuran	1.4630000	1.4353000	1.4353000	0.01	-1.89		AVRG
4-Nitrophenol	43.573000	50.000000	0.1219200	0.05	-12.85		2RDR
2,4-Dinitrotoluene	62.672000	50.000000	0.4025100	0.01	25.34		2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/21/03 Time: 1454

Lab File ID: K4725 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1843000	1.1843000	0.01	-6.01		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5268400	0.5268400	0.01	-2.44		AVRG
4-Nitroaniline	59.941000	50.000000	0.2442900	0.01	19.88		2RDR
4,6-Dinitro-2-Methylphenol	84.185000	50.000000	0.1743000	0.01	68.37		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5839100	0.5839100	0.01	4.46	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2308300	0.2308300	0.01	-0.93		AVRG
Hexachlorobenzene	0.2930000	0.2776000	0.2776000	0.01	-5.26		AVRG
Pentachlorophenol	53.397000	50.000000	0.1690300	0.01	6.79		LINR
Carbazole	0.8120000	0.8271800	0.8271800	0.01	1.87		AVRG
Di-n-butylphthalate	1.2140000	1.2330000	1.2330000	0.01	1.56		AVRG
Butylbenzylphthalate	0.6790000	0.6651200	0.6651200	0.01	-2.04		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3218400	0.3218400	0.01	13.32		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8838300	0.8838300	0.01	-2.34		AVRG
Di-n-octylphthalate	2.1640000	2.1278000	2.1278000	0.01	-1.67	20.00	AVRG
Benzaldehyde	0.2090000	0.7678400	0.7678400	0.01	267.39		AVRG
Acetophenone	1.6090000	1.5990000	1.5990000	0.01	-0.62		AVRG
Caprolactam	0.1000000	9.45e-002	9.45e-002	0.01	-5.50		AVRG
1,1'-Biphenyl	1.4450000	1.3454000	1.3454000	0.01	-6.89		AVRG
Atrazine	0.2050000	0.1152900	0.1152900	0.01	-43.76		AVRG
2-Fluorophenol	1.1900000	1.3617000	1.3617000	0.01	14.43		AVRG
Phenol-D6	1.4120000	1.4321000	1.4321000	0.01	1.42		AVRG
Nitrobenzene-D5	0.3430000	0.4240200	0.4240200	0.01	23.62		AVRG
2-Fluorobiphenyl	1.2160000	1.1429000	1.1429000	0.01	-6.01		AVRG
2,4,6-Tribromophenol	0.1870000	0.1911400	0.1911400	0.01	2.21		AVRG
Terphenyl-D14	0.9000000	0.8360400	0.8360400	0.01	-7.11		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/22/03 Time: 0131

Lab File ID: K4738 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.6692000	1.6692000	0.01	14.02	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.3351000	1.3351000	0.01	11.54		AVRG
2-Chlorophenol	1.2160000	1.2615000	1.2615000	0.01	3.74		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.2135000	2.2135000	0.01	-3.34		AVRG
2-Methylphenol	0.9540000	1.0099000	1.0099000	0.01	5.86		AVRG
Hexachloroethane	0.5550000	0.5284100	0.5284100	0.01	-4.79		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7698100	0.7698100	0.05	-2.31		AVRG
4-Methylphenol	0.9740000	1.0210000	1.0210000	0.01	4.82		AVRG
Nitrobenzene	0.3670000	0.3736900	0.3736900	0.01	1.82		AVRG
Isophorone	0.6860000	0.6654900	0.6654900	0.01	-2.99		AVRG
2-Nitrophenol	57.263000	50.000000	0.2021600	0.01	14.53		LINR
2,4-Dimethylphenol	0.3560000	0.3424500	0.3424500	0.01	-3.81		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.4288500	0.4288500	0.01	-2.98		AVRG
2,4-Dichlorophenol	0.2860000	0.2786100	0.2786100	0.01	-2.58	20.00	AVRG
4-Chloroaniline	0.3820000	0.3146500	0.3146500	0.01	-17.63		AVRG
Hexachlorobutadiene	0.1800000	0.1500700	0.1500700	0.01	-16.63	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2567700	0.2567700	0.01	-10.22	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.3882700	0.3882700	0.05	2.99		AVRG
2,4,6-Trichlorophenol	0.4020000	0.4053500	0.4053500	0.01	0.83	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4460000	0.4460000	0.01	2.76		AVRG
2-Chloronaphthalene	1.1450000	1.1648000	1.1648000	0.01	1.73		AVRG
2-Nitroaniline	57.735000	50.000000	0.4278600	0.01	15.47		2RDR
Dimethyl Phthalate	1.2870000	1.2675000	1.2675000	0.01	-1.52		AVRG
2,6-Dinitrotoluene	58.735000	50.000000	0.3173000	0.01	17.47		LINR
3-Nitroaniline	57.572000	50.000000	0.2979900	0.01	15.14		2RDR
2,4-Dinitrophenol	83.881000	50.000000	0.1596700	0.05	67.76		2RDR
Dibenzofuran	1.4630000	1.3843000	1.3843000	0.01	-5.38		AVRG
4-Nitrophenol	42.022000	50.000000	0.1170200	0.05	-15.96		2RDR
2,4-Dinitrotoluene	62.851000	50.000000	0.4038100	0.01	25.70		2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/22/03 Time: 0131

Lab File ID: K4738 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1557000	1.1557000	0.01	-8.28		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5077300	0.5077300	0.01	-5.98		AVRG
4-Nitroaniline	59.420000	50.000000	0.2418200	0.01	18.84		2RDR
4,6-Dinitro-2-Methylphenol	78.275000	50.000000	0.1592300	0.01	56.55		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5136100	0.5136100	0.01	-8.12	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2316500	0.2316500	0.01	-0.58		AVRG
Hexachlorobenzene	0.2930000	0.2777900	0.2777900	0.01	-5.19		AVRG
Pentachlorophenol	52.038000	50.000000	0.1638900	0.01	4.08		LINR
Carbazole	0.8120000	0.7360900	0.7360900	0.01	-9.35		AVRG
Di-n-butylphthalate	1.2140000	1.2756000	1.2756000	0.01	5.07		AVRG
Butylbenzylphthalate	0.6790000	0.6542400	0.6542400	0.01	-3.65		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.3034300	0.3034300	0.01	6.84		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.8465800	0.8465800	0.01	-6.46		AVRG
Di-n-octylphthalate	2.1640000	2.1250000	2.1250000	0.01	-1.80	20.00	AVRG
Benzaldehyde	0.2090000	0.7782000	0.7782000	0.01	272.34		AVRG
Acetophenone	1.6090000	1.5673000	1.5673000	0.01	-2.59		AVRG
Caprolactam	0.1000000	9.88e-002	9.88e-002	0.01	-1.20		AVRG
1,1'-Biphenyl	1.4450000	1.4356000	1.4356000	0.01	-0.65		AVRG
Atrazine	0.2050000	0.1284200	0.1284200	0.01	-37.36		AVRG
2-Fluorophenol	1.1900000	1.3576000	1.3576000	0.01	14.08		AVRG
Phenol-D6	1.4120000	1.5435000	1.5435000	0.01	9.31		AVRG
Nitrobenzene-D5	0.3430000	0.3593100	0.3593100	0.01	4.76		AVRG
2-Fluorobiphenyl	1.2160000	1.2287000	1.2287000	0.01	1.04		AVRG
2,4,6-Tribromophenol	0.1870000	0.1867800	0.1867800	0.01	-0.12		AVRG
Terphenyl-D14	0.9000000	0.7855000	0.7855000	0.01	-12.72		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/23/03 Time: 1207

Lab File ID: K4758 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Phenol	1.4640000	1.5068000	1.5068000	0.01	2.92	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1970000	1.2015000	1.2015000	0.01	0.38		AVRG
2-Chlorophenol	1.2160000	1.2091000	1.2091000	0.01	-0.57		AVRG
2,2'-Oxybis(1-Chloropropane)	2.2900000	2.0803000	2.0803000	0.01	-9.16		AVRG
2-Methylphenol	0.9540000	0.9152200	0.9152200	0.01	-4.06		AVRG
Hexachloroethane	0.5550000	0.5123100	0.5123100	0.01	-7.69		AVRG
N-Nitroso-di-n-propylamine	0.7880000	0.7137200	0.7137200	0.05	-9.43		AVRG
4-Methylphenol	0.9740000	0.9895400	0.9895400	0.01	1.60		AVRG
Nitrobenzene	0.3670000	0.3055500	0.3055500	0.01	-16.74		AVRG
Isophorone	0.6860000	0.5679200	0.5679200	0.01	-17.21		AVRG
2-Nitrophenol	51.329000	50.000000	0.1784000	0.01	2.66		LINR
2,4-Dimethylphenol	0.3560000	0.2833600	0.2833600	0.01	-20.40		AVRG
Bis(2-Chloroethoxy)methane	0.4420000	0.3620000	0.3620000	0.01	-18.10		AVRG
2,4-Dichlorophenol	0.2860000	0.2778900	0.2778900	0.01	-2.84	20.00	AVRG
4-Chloroaniline	0.3820000	0.3133400	0.3133400	0.01	-17.97		AVRG
Hexachlorobutadiene	0.1800000	0.1637200	0.1637200	0.01	-9.04	20.00	AVRG
4-Chloro-3-Methylphenol	0.2860000	0.2615300	0.2615300	0.01	-8.56	20.00	AVRG
Hexachlorocyclopentadiene	0.3770000	0.4027800	0.4027800	0.05	6.84		AVRG
2,4,6-Trichlorophenol	0.4020000	0.3812800	0.3812800	0.01	-5.15	20.00	AVRG
2,4,5-Trichlorophenol	0.4340000	0.4133500	0.4133500	0.01	-4.76		AVRG
2-Chloronaphthalene	1.1450000	1.0998000	1.0998000	0.01	-3.95		AVRG
2-Nitroaniline	51.897000	50.000000	0.3814900	0.01	3.79		2RDR
Dimethyl Phthalate	1.2870000	1.1485000	1.1485000	0.01	-10.76		AVRG
2,6-Dinitrotoluene	54.831000	50.000000	0.2926800	0.01	9.66		LINR
3-Nitroaniline	57.709000	50.000000	0.2987800	0.01	15.42		2RDR
2,4-Dinitrophenol	79.562000	50.000000	0.1490200	0.05	59.12		2RDR
Dibenzofuran	1.4630000	1.4126000	1.4126000	0.01	-3.44		AVRG
4-Nitrophenol	42.111000	50.000000	0.1173000	0.05	-15.78		2RDR
2,4-Dinitrotoluene	60.845000	50.000000	0.3892600	0.01	21.69		2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-K Calibration Date: 06/23/03 Time: 1207

Lab File ID: K4758 Init. Calib. Date(s): 05/09/03 05/09/03

Init. Calib. Times: 1201 1858

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
Diethylphthalate	1.2600000	1.1253000	1.1253000	0.01	-10.69		AVRG
4-Chlorophenyl-phenylether	0.5400000	0.5064900	0.5064900	0.01	-6.20		AVRG
4-Nitroaniline	54.488000	50.000000	0.2186800	0.01	8.98		2RDR
4,6-Dinitro-2-Methylphenol	80.812000	50.000000	0.1656500	0.01	61.62		2RDR
N-Nitrosodiphenylamine	0.5590000	0.5175200	0.5175200	0.01	-7.42	20.00	AVRG
4-Bromophenyl-phenylether	0.2330000	0.2374600	0.2374600	0.01	1.91		AVRG
Hexachlorobenzene	0.2930000	0.2889200	0.2889200	0.01	-1.39		AVRG
Pentachlorophenol	52.282000	50.000000	0.1648200	0.01	4.56		LINR
Carbazole	0.8120000	0.6741200	0.6741200	0.01	-16.98		AVRG
Di-n-butylphthalate	1.2140000	1.2264000	1.2264000	0.01	1.02		AVRG
Butylbenzylphthalate	0.6790000	0.5788000	0.5788000	0.01	-14.76		AVRG
3,3'-Dichlorobenzidine	0.2840000	0.2834200	0.2834200	0.01	-0.20		AVRG
bis(2-Ethylhexyl)phthalate	0.9050000	0.7124200	0.7124200	0.01	-21.28		AVRG
Di-n-octylphthalate	2.1640000	1.7786000	1.7786000	0.01	-17.81	20.00	AVRG
Benzaldehyde	0.2090000	0.6687400	0.6687400	0.01	219.97		AVRG
Acetophenone	1.6090000	1.4148000	1.4148000	0.01	-12.07		AVRG
Caprolactam	0.1000000	9.58e-002	9.58e-002	0.01	-4.20		AVRG
1,1'-Biphenyl	1.4450000	1.3641000	1.3641000	0.01	-5.60		AVRG
Atrazine	0.2050000	0.1079200	0.1079200	0.01	-47.36		AVRG
2-Fluorophenol	1.1900000	1.2144000	1.2144000	0.01	2.05		AVRG
Phenol-D6	1.4120000	1.3352000	1.3352000	0.01	-5.44		AVRG
Nitrobenzene-D5	0.3430000	0.2995100	0.2995100	0.01	-12.68		AVRG
2-Fluorobiphenyl	1.2160000	1.1797000	1.1797000	0.01	-2.98		AVRG
2,4,6-Tribromophenol	0.1870000	0.2161200	0.2161200	0.01	15.57		AVRG
Terphenyl-D14	0.9000000	0.7941100	0.7941100	0.01	-11.77		AVRG

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 05/27/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2354-1
Client ID: WG2354-Blank
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 05/27/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2354-1
Client ID: WG2354-Blank
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		47%				
13127-88-3	Phenol-D6		49%				
4165-60-0	Nitrobenzene-D5		68%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		65%				
1718-51-0	Terphenyl-D14		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2353-1
Client ID: WG2353-Blank
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2353-1
Client ID: WG2353-Blank
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		* 0%				
13127-88-3	Phenol-D6		* 3%				
4165-60-0	Nitrobenzene-D5		80%				
321-60-8	2-Fluorobiphenyl		79%				
118-79-6	2,4,6-Tribromophenol		* 0%				
1718-51-0	Terphenyl-D14		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2641-1
Client ID: WG2641-Blank
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	2
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	1
95-57-8	2-Chlorophenol	U	10	1.0	10	10	2
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	1
95-48-7	2-Methylphenol	U	10	1.0	10	10	1
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	1
78-59-1	Isophorone	U	10	1.0	10	10	0.8
88-75-5	2-Nitrophenol	U	10	1.0	10	10	2
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	2
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	0.8
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	1
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	2
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	1
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	1
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	2
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	2
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	0.8
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	0.8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	1
100-02-7	4-Nitrophenol	U	25	1.0	25	25	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	0.7
84-66-2	Diethylphthalate	U	10	1.0	10	10	0.7
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	1
100-01-6	4-Nitroaniline	U	25	1.0	25	25	2
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	7
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	1
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	0.7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	6
86-74-8	Carbazole	U	10	1.0	10	10	0.9
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	0.8
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	5
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2641-1
Client ID: WG2641-Blank
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	10
98-96-2	Acetophenone	U	10	1.0	10	10	0.7
105-60-2	Caprolactam	U	10	1.0	10	10	10
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	10
1912-24-9	Atrazine	U	10	1.0	10	10	10
367-12-4	2-Fluorophenol		74%				
13127-88-3	Phenol-D6		80%				
4165-60-0	Nitrobenzene-D5		79%				
321-60-8	2-Fluorobiphenyl		68%				
118-79-6	2,4,6-Tribromophenol		85%				
1718-51-0	Terphenyl-D14		87%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/05/03
Report Date: 06/25/2003
Matrix: WATER

Lab ID: WG2354-2 & WG2354-3
Client ID: WG2354-LCS & WG2354-LCSD
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Phenol	100	100	NA	48	70	48	70	*	37	30	12-126
Bis(2-Chloroethyl)ether	50	50	NA	35	38	71	77		8	30	52-115
2-Chlorophenol	100	100	NA	50	69	50	69	*	31	30	46-114
2,2'-Oxybis(1-Chloropropane)	50	50	NA	35	36	71	71		0.3	30	54-114
2-Methylphenol	100	100	NA	69	75	69	75		9	30	50-110
Hexachloroethane	50	50	NA	27	28	54	56		4	30	30- 99
N-Nitroso-di-n-propylamine	50	50	NA	34	35	68	69		2	30	52-108
4-Methylphenol	100	100	NA	72	80	72	80		10	30	46-119
Nitrobenzene	50	50	NA	36	36	72	72		0.6	30	49-113
Isophorone	50	50	NA	39	36	78	72		8	30	49-106
2-Nitrophenol	100	100	NA	17	79	* 17	79	*	130	30	47-121
2,4-Dimethylphenol	100	100	NA	74	68	74	68		9	30	45-107
Bis(2-Chloroethoxy)methane	50	50	NA	39	35	78	70		10	30	50-112
2,4-Dichlorophenol	100	100	NA	67	74	67	74		10	30	48-115
4-Chloroaniline	50	50	NA	43	34	86	68		23	30	19-125
Hexachlorobutadiene	50	50	NA	32	30	64	60		6	30	28-109
4-Chloro-3-Methylphenol	100	100	NA	68	80	68	80		16	30	52-121
Hexachlorocyclopentadiene	50	50	NA	16	17	32	34		8	30	0- 90
2,4,6-Trichlorophenol	100	100	NA	52	82	52	82	*	45	30	51-120
2,4,5-Trichlorophenol	100	100	NA	67	78	67	78		16	30	53-120
2-Chloronaphthalene	50	50	NA	42	40	84	79		6	30	44-156
2-Nitroaniline	50	50	NA	50	45	100	89		11	30	53-127
Dimethyl Phthalate	50	50	NA	46	39	93	79		16	30	14-138
2,6-Dinitrotoluene	50	50	NA	49	45	97	90		8	30	51-120
3-Nitroaniline	50	50	NA	52	45	103	91		13	30	48-124
2,4-Dinitrophenol	100	100	NA	8.7	110	* 9	110	*	170	30	22-155
Dibenzofuran	50	50	NA	40	38	81	76		6	30	54-111
4-Nitrophenol	100	100	NA	9.5	75	10	75	*	160	30	6-132
2,4-Dinitrotoluene	50	50	NA	46	49	91	99		8	30	50-119
Diethylphthalate	50	50	NA	43	38	85	75		12	30	31-129
4-Chlorophenyl-phenylether	50	50	NA	43	41	86	81		6	30	56-115
4-Nitroaniline	50	50	NA	52	50	104	101		3	30	50-137
4,6-Dinitro-2-Methylphenol		100	NA		108		108			30	43-151
N-Nitrosodiphenylamine	100	100	NA	95	81	95	81		16	30	67-131
4-Bromophenyl-phenylether	50	50	NA	51	44	102	87		15	30	59-118
Hexachlorobenzene	50	50	NA	48	41	97	83		16	30	55-116
Pentachlorophenol	100	100	NA	13	79	* 13	79	*	140	30	38-148
Carbazole	50	50	NA	45	40	91	81		12	30	63-133
Di-n-butylphthalate	50	50	NA	48	43	96	86		10	30	43-136
Butylbenzylphthalate	50	50	NA	45	37	89	75		18	30	31-156
3,3'-Dichlorobenzidine	50	50	NA	50	38	99	77		25	30	30-128
bis(2-Ethylhexyl)phthalate	50	50	NA	50	43	99	85		15	30	43-151
Di-n-octylphthalate	50	50	NA	52	42	104	83		22	30	42-166
Acetophenone	50	50	NA	34	35	68	70		4	30	0-100

FORM III SV-1

K4355.D & K4486.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/25/2003
Matrix: WATER

Lab ID: WG2353-2 & WG2353-3
Client ID: WG2353-LCS & WG2353-LCSD
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Phenol	100	100	NA	27	32	27	32	16	30	12-126
Bis(2-Chloroethyl)ether	50	50	NA	30	35	60	71	17	30	52-115
2-Chlorophenol	100	100	NA	57	69	57	69	19	30	46-114
2,2'-Oxybis(1-Chloropropane)	50	50	NA	28	34	56	68	18	30	54-114
2-Methylphenol	100	100	NA	54	60	54	60	10	30	50-110
Hexachloroethane	50	50	NA	26	30	53	60	13	30	30- 99
N-Nitroso-di-n-propylamine	50	50	NA	29	33	58	65	12	30	52-108
4-Methylphenol	100	100	NA	54	57	54	57	5	30	46-119
Nitrobenzene	50	50	NA	34	39	69	77	12	30	49-113
Isophorone	50	50	NA	35	32	69	64	8	30	49-106
2-Nitrophenol	100	100	NA	76	78	76	78	2	30	47-121
2,4-Dimethylphenol	100	100	NA	68	65	68	65	5	30	45-107
Bis(2-Chloroethoxy)methane	50	50	NA	32	32	64	65	0.9	30	50-112
2,4-Dichlorophenol	100	100	NA	72	70	72	70	3	30	48-115
4-Chloroaniline	50	50	NA	36	35	73	70	4	30	19-125
Hexachlorobutadiene	50	50	NA	32	25	63	50	24	30	28-109
4-Chloro-3-Methylphenol	100	100	NA	77	72	77	72	7	30	52-121
Hexachlorocyclopentadiene	50	50	NA	30	35	61	70	14	30	0- 90
2,4,6-Trichlorophenol	100	100	NA	82	86	82	86	5	30	51-120
2,4,5-Trichlorophenol	100	100	NA	86	90	86	90	4	30	53-120
2-Chloronaphthalene	50	50	NA	40	44	81	88	9	30	44-156
2-Nitroaniline	50	50	NA	45	49	90	97	7	30	53-127
Dimethyl Phthalate	50	50	NA	18	16	36	32	10	30	14-138
2,6-Dinitrotoluene	50	50	NA	50	53	99	107	7	30	51-120
3-Nitroaniline	50	50	NA	51	51	102	102	0.2	30	48-124
2,4-Dinitrophenol	100	100	NA	49	101	49	101 *	70	30	22-155
Dibenzofuran	50	50	NA	38	41	76	82	7	30	54-111
4-Nitrophenol	100	100	NA	36	45	36	45	24	30	6-132
2,4-Dinitrotoluene	50	50	NA	54	58	109	117	7	30	50-119
Diethylphthalate	50	50	NA	31	35	63	69	10	30	31-129
4-Chlorophenyl-phenylether	50	50	NA	43	52	87	104	18	30	56-115
4-Nitroaniline	50	50	NA	56	60	113	120	6	30	50-137
4,6-Dinitro-2-Methylphenol	100	100	NA	112	127	112	127	12	30	43-151
N-Nitrosodiphenylamine	100	100	NA	88	91	88	91	4	30	67-131
4-Bromophenyl-phenylether	50	50	NA	45	52	89	104	15	30	59-118
Hexachlorobenzene	50	50	NA	46	44	92	89	4	30	55-116
Pentachlorophenol	100	100	NA	65	62	65	62	6	30	38-148
Carbazole	50	50	NA	44	45	88	90	2	30	63-133
Di-n-butylphthalate	50	50	NA	43	42	87	85	2	30	43-136
Butylbenzylphthalate	50	50	NA	34	52	67	104 *	42	30	31-156
3,3'-Dichlorobenzidine	50	50	NA	51	49	102	97	5	30	30-128
bis(2-Ethylhexyl)phthalate	50	50	NA	41	57	83	115 *	33	30	43-151
Di-n-octylphthalate	50	50	NA	41	58	82	116 *	34	30	42-166
Acetophenone	50	50	NA	28	31	56	62	11	30	0-100

FORM III SV-1

K4524.D & K4525.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/03
Analysis Date: 06/21/03
Report Date: 06/25/2003
Matrix: WATER

Lab ID: WG2641-2 & WG2641-3
Client ID: WG2641-LCS & WG2641-LCSD
SDG: CTO287-2
Extracted by: AB
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2641
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Phenol	100	100	NA	39	65	39	65 *	51	30	12-126
Bis(2-Chloroethyl)ether	50	50	NA	29	31	58	61	5	30	52-115
2-Chlorophenol	100	100	NA	42	60	* 42	60 *	36	30	46-114
2,2'-Oxybis(1-Chloropropane)	50	50	NA	27	26	54	* 53	2	30	54-114
2-Methylphenol	100	100	NA	52	67	52	67	26	30	50-110
Hexachloroethane	50	50	NA	15	16	31	33	6	30	30- 99
N-Nitroso-di-n-propylamine	50	50	NA	27	28	54	55	2	30	52-108
4-Methylphenol	100	100	NA	49	64	49	64	26	30	46-119
Nitrobenzene	50	50	NA	28	29	56	59	5	30	49-113
Isophorone	50	50	NA	28	28	55	56	0.4	30	49-106
2-Nitrophenol	100	100	NA	40	73	* 40	73 *	58	30	47-121
2,4-Dimethylphenol	100	100	NA	56	59	56	59	6	30	45-107
Bis(2-Chloroethoxy)methane	50	50	NA	27	29	53	58	8	30	50-112
2,4-Dichlorophenol	100	100	NA	48	63	48	63	27	30	48-115
4-Chloroaniline	50	50	NA	24	31	48	61	25	30	19-125
Hexachlorobutadiene	50	50	NA	14	17	28	34	19	30	28-109
4-Chloro-3-Methylphenol	100	100	NA	45	67	* 45	67 *	39	30	52-121
Hexachlorocyclopentadiene	50	50	NA	11	11	22	23	4	30	0- 90
2,4,6-Trichlorophenol	100	100	NA	70	73	70	73	4	30	51-120
2,4,5-Trichlorophenol	100	100	NA	65	70	65	70	7	30	53-120
2-Chloronaphthalene	50	50	NA	33	32	65	65	0.6	30	44-156
2-Nitroaniline	50	50	NA	39	40	78	80	4	30	53-127
Dimethyl Phthalate	50	50	NA	36	35	73	70	4	30	14-138
2,6-Dinitrotoluene	50	50	NA	42	42	84	84	0.2	30	51-120
3-Nitroaniline	50	50	NA	35	47	70	93	28	30	48-124
2,4-Dinitrophenol	100	100	NA	70	110	70	110 *	45	30	22-155
Dibenzofuran	50	50	NA	32	32	63	64	1	30	54-111
4-Nitrophenol	100	100	NA	46	67	46	67 *	37	30	6-132
2,4-Dinitrotoluene	50	50	NA	38	44	77	87	12	30	50-119
Diethylphthalate	50	50	NA	28	32	57	63	11	30	31-129
4-Chlorophenyl-phenylether	50	50	NA	30	32	61	65	6	30	56-115
4-Nitroaniline	50	50	NA	38	53	76	105 *	33	30	50-137
4,6-Dinitro-2-Methylphenol	100	100	NA	67	93	67	93 *	33	30	43-151
N-Nitrosodiphenylamine	100	100	NA	54	54	* 54	* 54	0.6	30	67-131
4-Bromophenyl-phenylether	50	50	NA	34	33	68	66	3	30	59-118
Hexachlorobenzene	50	50	NA	33	30	66	61	8	30	55-116
Pentachlorophenol	100	100	NA	58	75	58	75	26	30	38-148
Carbazole	50	50	NA	35	38	70	76	8	30	63-133
Di-n-butylphthalate	50	50	NA	35	34	70	68	4	30	43-136
Butylbenzylphthalate	50	50	NA	45	31	91	62 *	37	30	31-156
3,3'-Dichlorobenzidine	50	50	NA	7.9	38	* 16	75 *	130	30	30-128
bis(2-Ethylhexyl)phthalate	50	50	NA	54	34	107	68 *	44	30	43-151
Di-n-octylphthalate	50	50	NA	45	38	91	75	18	30	42-166
Acetophenone	50	50	NA	26	28	51	55	8	30	0-100

FORM III SV-1

K4728.D & K4729.D

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

GC Column(1): RTX-CLPI ID: 0.53 (mm) GC Column(2): RTX-CLPII 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	WG2334-BLANK	WG2334-1	50	51	55	58			0
02	WG2334-LCS	WG2334-2	54	57	58	59			0
03	WG2334-LCSD	WG2334-3	58	61	57	60			0
04	03GLM0202	WT1128-11	64	68	48	49			0
05	03GLM0302	WT1147-7	61	64	70	71			0
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 (40- 93)
S2 (DCB) = Decachlorobiphenyl (16-134)

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

FORM II PEST-1

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPI ID: 0.53 (mm) Calibration Time(s): 1140 1845

LAB FILE ID: RF0.005: 8TB3179 RF0.01: 8TB3180 RF0.025: 8TB3181
RF0.05: 8TB3178 RF0.1: 8TB3182 RF0.25: 8TB3183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
alpha-BHC	12542	24649	71843	165260	291910	680360	2ORDR	1.e-003	3e-007	9e-014	0.99946	0.99000
gamma BHC	12444	25048	67550	156520	284620	666440	2ORDR	1.e-003	3e-007	8e-014	0.99964	0.99000
Heptachlor	17890	33479	82427	164360	296160	668210	2ORDR	-5e-004	3.e-007	1e-013	0.99986	0.99000
beta-BHC	6072	11618	30786	68317	122280	301210	2ORDR	1e-004	8e-007	2e-013	0.99953	0.99000
Aldrin	15952	31509	78100	161150	304810	666620	2ORDR	6e-004	3e-007	1e-013	0.99996	0.99000
delta-BHC	4076	8640	27125	86515	156900	432900	2ORDR	3.e-003	6e-007	-1e-013	0.99834	0.99000
Heptachlor Epoxide	15573	29893	72339	137300	260430	581050	2ORDR	-4e-004	3e-007	1e-013	0.99999	0.99000
Endosulfan I	15598	29961	71908	136390	255080	547230	2ORDR	-2e-004	3e-007	2e-013	1.00000	0.99000
4,4'-DDE	10401	20023	46863	98608	177230	443190	2ORDR	-9e-004	5e-007	4e-014	0.99959	0.99000
Dieldrin	11482	22443	58563	120560	229830	515690	2ORDR	6e-004	4e-007	2e-013	0.99997	0.99000
Endrin	10119	19501	51014	104340	200510	447060	2ORDR	7.e-004	4e-007	2e-013	0.99997	0.99000
4,4'-DDD	1886	4008	12711	41042	70220	211980	2ORDR	3e-003	1e-006	-1e-012	0.99749	0.99000
Endosulfan II	7964	15585	40308	87188	158670	376640	2ORDR	2e-004	6e-007	2e-013	0.99975	0.99000
4,4'-DDT	3496	7270	21403	57610	102970	278730	2ORDR	2e-003	9e-007	-2e-013	0.99887	0.99000
Endrin Aldehyde	4184	7462	19045	40227	72750	178120	2ORDR	-5e-004	1e-006	5e-013	0.99968	0.99000
Endosulfan sulfate	2326	4899	15040	40966	73887	209080	2ORDR	2e-003	1e-006	-8e-013	0.99883	0.99000
Methoxychlor	1362	2388	6973	13719	27782	65253	2ORDR	8e-004	3e-006	6e-012	0.99993	0.99000
Toxaphene	3150	7713	13374	24661	55846	108810	2ORDR	-1e-002	4e-005	8e-011	0.99970	0.99000
(2)	3436	8813	15682	30727	71933	147490	2ORDR	1e-002	3e-005	3e-011	0.99960	0.99000
(3)	3395	8813	16049	32132	76028	156060	2ORDR	2e-002	3e-005	2e-011	0.99960	0.99000
(4)	4480	11396	21379	42949	101320	207180	2ORDR	2e-002	2e-005	1e-011	0.99961	0.99000
(5)	4271	11168	21476	44278	110810	226760	2ORDR	4e-002	2.e-005	8e-012	0.99974	0.99000
(6)	3372	8897	17058	35239	87503	184570	2ORDR	5e-002	3e-005	1e-011	0.99953	0.99000
(7)	5031	13697	27209	55550	135620	275230	2ORDR	4e-002	2e-005	7e-012	0.99972	0.99000
(8)	2383	6730	13489	29269	77111	165600	2ORDR	7e-002	3e-005	8e-012	0.99946	0.99000
(9)	2586	6794	13814	29085	75649	163080	2ORDR	7e-002	3e-005	1.e-011	0.99937	0.99000
(10)	3403	8855	16219	32164	77618	158410	2ORDR	2e-002	3e-005	2.e-011	0.99968	0.99000
alpha-Chlordane	14862	28105	68386	135230	245340	541950	2ORDR	-3e-004	4e-007	2e-013	0.99993	0.99000
gamma-Chlordane	15243	28823	70661	139880	250710	577420	2ORDR	-8e-004	4e-007	1e-013	0.99978	0.99000
Endrin Ketone	4996	10025	26824	63268	109600	276680	2ORDR	4e-004	9e-007	1e-013	0.99907	0.99000
Tetrachloro-m-Xylene	13229	23752	57405	115470	209060	470760	2ORDR	-5e-004	4e-007	2e-013	0.99988	0.99000
Decachlorobiphenyl	11476	21069	47184	88494	145610	319280	2ORDR	-2e-003	6e-007	7e-013	0.99916	0.99000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPII ID: 0.53 (mm) Calibration Time(s): 1140 1845

LAB FILE ID: RF0.005: 8TB4179 RF0.01: 8TB4180 RF0.025: 8TB4181
RF0.05: 8TB4178 RF0.1: 8TB4182 RF0.25: 8TB4183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
alpha-BHC	11498	24118	67534	145060	277540	627650	2ORDR	1e-003	3e-007	1e-013	0.99990	0.99000
gamma BHC	11018	22685	61686	129130	245880	558630	2ORDR	9e-004	4e-007	1e-013	0.99994	0.99000
Heptachlor	10247	19504	49853	102960	184860	437760	2ORDR	-4e-004	5.e-007	2e-013	0.99971	0.99000
beta-BHC	6675	12486	29793	60533	112580	250930	2ORDR	-8e-005	8e-007	8e-013	0.99996	0.99000
Aldrin	9591	18788	48018	101260	193820	440190	2ORDR	7.e-004	5e-007	2e-013	0.99995	0.99000
delta-BHC	5854	12247	35751	91122	169620	428910	2ORDR	2e-003	6e-007	3e-014	0.99941	0.99000
Heptachlor Epoxide	8624	16452	40945	81251	155240	346620	2ORDR	2e-004	6e-007	4.e-013	1.00000	0.99000
Endosulfan I	7276	13829	34559	67251	129500	295720	2ORDR	-1e-004	7e-007	4e-013	1.00000	0.99000
4,4'-DDE	7434	14420	36131	73418	140950	324830	2ORDR	2e-004	7e-007	3e-013	0.99999	0.99000
Dieldrin	7018	13729	35313	70415	139570	327070	2ORDR	4e-004	7e-007	2e-013	0.99999	0.99000
Endrin	6685	12911	32789	66021	128530	286020	2ORDR	6e-004	7.e-007	6e-013	0.99996	0.99000
4,4'-DDD	3895	7860	21530	49573	95079	237060	2ORDR	1e-003	1.e-006	1e-013	0.99979	0.99000
Endosulfan II	6784	13169	33186	67228	126350	286400	2ORDR	1e-004	7e-007	5e-013	0.99997	0.99000
4,4'-DDT	5109	10065	26195	58030	112650	273850	2ORDR	9e-004	9e-007	2.e-013	0.99990	0.99000
Endrin Aldehyde	6397	11051	26913	55166	100950	228010	2ORDR	-3e-004	9e-007	9.e-013	0.99990	0.99000
Endosulfan sulfate	3809	7799	20353	47215	83043	213500	2ORDR	2e-004	1e-006	5.e-014	0.99922	0.99000
Methoxychlor	2723	5389	14096	30322	55350	132310	2ORDR	2.e-004	2e-006	2e-012	0.99976	0.99000
Toxaphene	224	1073	1325	2437	7050	15791	2ORDR	7e-002	3e-004	9e-010	0.99843	0.99000
(2)	274	909	1247	2258	7342	16848	2ORDR	0.11460	3e-004	1e-009	0.99762	0.99000
(3)	546	1387	2487	5534	17162	41475	2ORDR	0.13852	1e-004	-6e-011	0.99803	0.99000
(4)	1053	2668	4818	10314	28296	63486	2ORDR	9e-002	8e-005	4e-011	0.99889	0.99000
(5)	309	672	952	2569	9527	24224	2ORDR	0.19951	2e-004	-2e-010	0.99658	0.99000
(6)	4270	10272	19693	39188	95346	192430	2ORDR	3e-002	2e-005	2e-011	0.99962	0.99000
(7)	2688	7261	14460	29470	77660	162180	2ORDR	6e-002	3e-005	1e-011	0.99954	0.99000
(8)	1310	3603	7162	14480	41596	92336	2ORDR	1e-001	5e-005	2e-011	0.99894	0.99000
(9)	800	2201	4249	9191	27976	66499	2ORDR	0.12739	8e-005	-3e-011	0.99844	0.99000
(10)	1640	4464	9016	18863	53543	118270	2ORDR	9e-002	4e-005	6e-012	0.99920	0.99000
alpha-Chlordane	7968	15246	37477	73350	140110	314680	2ORDR	-6e-005	6e-007	5e-013	1.00000	0.99000
gamma-Chlordane	8296	15809	39100	78037	151380	347220	2ORDR	1e-004	6e-007	3.e-013	1.00000	0.99000
Endrin Ketone	4828	9766	25577	57285	100240	245630	2ORDR	9e-005	9e-007	4e-013	0.99934	0.99000
Tetrachloro-m-Xylene	11628	21775	50024	99405	180560	395170	2ORDR	-5e-004	5e-007	4e-013	0.99994	0.99000
Decachlorobiphenyl	10075	18273	41270	75911	137180	297420	2ORDR	-1e-003	6e-007	7e-013	0.99990	0.99000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVI Contract: CSS PANAMA CITY CTO287

Lab Code: KAS Case No.: SAS No.: SDG No.: CTO287-2

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPI ID: 0.53 (mm) Calibration Time(s): 1140 1845

LAB FILE ID: RF0.005: 8TB3179 RF0.01: 8TB3180 RF0.025: 8TB3181
RF0.05: 8TB3178 RF0.1: 8TB3182 RF0.25: 8TB3183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25
alpha-BHC	12542	24649	71843	165260	291910	680360
gamma BHC	12444	25048	67550	156520	284620	666440
Heptachlor	17890	33479	82427	164360	296160	668210
beta-BHC	6072	11618	30786	68317	122280	301210
Aldrin	15952	31509	78100	161150	304810	666620
delta-BHC	4076	8640	27125	86515	156900	432900
Heptachlor Epoxide	15573	29893	72339	137300	260430	581050
Endosulfan I	15598	29961	71908	136390	255080	547230
4,4'-DDE	10401	20023	46863	98608	177230	443190
Dieldrin	11482	22443	58563	120560	229830	515690
Endrin	10119	19501	51014	104340	200510	447060
4,4'-DDD	1886	4008	12711	41042	70220	211980
Endosulfan II	7964	15585	40308	87188	158670	376640
4,4'-DDT	3496	7270	21403	57610	102970	278730
Endrin Aldehyde	4184	7462	19045	40227	72750	178120
Endosulfan sulfate	2326	4899	15040	40966	73887	209080
Methoxychlor	1362	2388	6973	13719	27782	65253
Toxaphene	3150	7713	13374	24661	55846	108810
(2)	3436	8813	15682	30727	71933	147490
(3)	3395	8813	16049	32132	76028	156060
(4)	4480	11396	21379	42949	101320	207180
(5)	4271	11168	21476	44278	110810	226760
(6)	3372	8897	17058	35239	87503	184570
(7)	5031	13697	27209	55550	135620	275230
(8)	2383	6730	13489	29269	77111	165600
(9)	2586	6794	13814	29085	75649	163080
(10)	3403	8855	16219	32164	77618	158410
alpha-Chlordane	14862	28105	68386	135230	245340	541950
gamma-Chlordane	15243	28823	70661	139880	250710	577420
Endrin Ketone	4996	10025	26824	63268	109600	276680
Tetrachloro-m-Xylene	13229	23752	57405	115470	209060	470760
Decachlorobiphenyl	11476	21069	47184	88494	145610	319280

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVI Contract: CSS PANAMA CITY CTO287

Lab Code: KAS Case No.: SAS No.: SDG No.: CTO287-2

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPI ID: 0.53 (mm) Calibration Time(s): 1140 1845

RF0: 8TB3184

COMPOUND	RF0	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MA
alpha-BHC		2ORDR	1.048e-003	3.055e-007	8.925e-014	0.9994600	0
gamma BHC		2ORDR	1.048e-003	3.197e-007	8.104e-014	0.9996400	0
Heptachlor		2ORDR	-4.84e-004	3.015e-007	1.102e-013	0.9998600	0
beta-BHC		2ORDR	1.248e-004	7.748e-007	1.841e-013	0.9995300	0
Aldrin		2ORDR	6.13e-004	2.873e-007	1.3e-013	0.9999600	0
delta-BHC		2ORDR	3.012e-003	6.197e-007	-1.13e-013	0.9983400	0
Heptachlor Epoxide		2ORDR	-4.04e-004	3.471e-007	1.444e-013	0.9999900	0
Endosulfan I		2ORDR	-2.03e-004	3.368e-007	2.2e-013	1.0000000	0
4,4'-DDE		2ORDR	-9.42e-004	5.483e-007	4.167e-014	0.9995900	0
Dieldrin		2ORDR	6.379e-004	3.917e-007	1.779e-013	0.9999700	0
Endrin		2ORDR	6.964e-004	4.477e-007	2.457e-013	0.9999700	0
4,4'-DDD		2ORDR	2.525e-003	1.403e-006	-1.11e-012	0.9974900	0
Endosulfan II		2ORDR	2.084e-004	5.858e-007	2.066e-013	0.9997500	0
4,4'-DDT		2ORDR	1.663e-003	9.484e-007	-2.04e-013	0.9988700	0
Endrin Aldehyde		2ORDR	-4.54e-004	1.313e-006	5.288e-013	0.9996800	0
Endosulfan sulfate		2ORDR	1.804e-003	1.347e-006	-7.59e-013	0.9988300	0
Methoxychlor		2ORDR	7.871e-004	3.436e-006	5.858e-012	0.9999300	0
Toxaphene	188310	2ORDR	-1.15e-002	3.856e-005	7.696e-011	0.9997000	0
(2)	265270	2ORDR	1.186e-002	3.084e-005	2.532e-011	0.9996000	0
(3)	280850	2ORDR	2.176e-002	2.91e-005	2.258e-011	0.9996000	0
(4)	371260	2ORDR	2.405e-002	2.173e-005	1.367e-011	0.9996100	0
(5)	417830	2ORDR	3.819e-002	2.048e-005	7.935e-012	0.9997400	0
(6)	340610	2ORDR	4.526e-002	2.555e-005	1.057e-011	0.9995300	0
(7)	497340	2ORDR	3.752e-002	1.639e-005	7.228e-012	0.9997200	0
(8)	312370	2ORDR	7.259e-002	2.915e-005	8.158e-012	0.9994600	0
(9)	304380	2ORDR	6.885e-002	2.939e-005	1.032e-011	0.9993700	0
(10)	286960	2ORDR	2.213e-002	2.883e-005	2.043e-011	0.9996800	0
alpha-Chlordane		2ORDR	-3.49e-004	3.57e-007	1.94e-013	0.9999300	0
gamma-Chlordane		2ORDR	-7.67e-004	3.629e-007	1.243e-013	0.9997800	0
Endrin Ketone		2ORDR	3.524e-004	8.622e-007	1.481e-013	0.9990700	0
Tetrachloro-m-Xylene		2ORDR	-5.09e-004	4.282e-007	2.215e-013	0.9998800	0
Decachlorobiphenyl		2ORDR	-2.02e-003	5.732e-007	6.82e-013	0.9991600	0

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVI Contract: CSS PANAMA CITY CTO287

Lab Code: KAS Case No.: SAS No.: SDG No.: CTO287-2

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPII ID: 0.53 (mm) Calibration Time(s): 1140 1845

LAB FILE ID: RF0.005: 8TB4179 RF0.01: 8TB4180 RF0.025: 8TB4181
RF0.05: 8TB4178 RF0.1: 8TB4182 RF0.25: 8TB4183

COMPOUND	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25
alpha-BHC	11498	24118	67534	145060	277540	627650
gamma BHC	11018	22685	61686	129130	245880	558630
Heptachlor	10247	19504	49853	102960	184860	437760
beta-BHC	6675	12486	29793	60533	112580	250930
Aldrin	9591	18788	48018	101260	193820	440190
delta-BHC	5854	12247	35751	91122	169620	428910
Heptachlor Epoxide	8624	16452	40945	81251	155240	346620
Endosulfan I	7276	13829	34559	67251	129500	295720
4,4'-DDE	7434	14420	36131	73418	140950	324830
Dieldrin	7018	13729	35313	70415	139570	327070
Endrin	6685	12911	32789	66021	128530	286020
4,4'-DDD	3895	7860	21530	49573	95079	237060
Endosulfan II	6784	13169	33186	67228	126350	286400
4,4'-DDT	5109	10065	26195	58030	112650	273850
Endrin Aldehyde	6397	11051	26913	55166	100950	228010
Endosulfan sulfate	3809	7799	20353	47215	83043	213500
Methoxychlor	2723	5389	14096	30322	55350	132310
Toxaphene	224	1073	1325	2437	7050	15791
(2)	274	909	1247	2258	7342	16848
(3)	546	1387	2487	5534	17162	41475
(4)	1053	2668	4818	10314	28296	63486
(5)	309	672	952	2569	9527	24224
(6)	4270	10272	19693	39188	95346	192430
(7)	2688	7261	14460	29470	77660	162180
(8)	1310	3603	7162	14480	41596	92336
(9)	800	2201	4249	9191	27976	66499
(10)	1640	4464	9016	18863	53543	118270
alpha-Chlordane	7968	15246	37477	73350	140110	314680
gamma-Chlordane	8296	15809	39100	78037	151380	347220
Endrin Ketone	4828	9766	25577	57285	100240	245630
Tetrachloro-m-Xylene	11628	21775	50024	99405	180560	395170
Decachlorobiphenyl	10075	18273	41270	75911	137180	297420

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVI Contract: CSS PANAMA CITY CTO287

Lab Code: KAS Case No.: SAS No.: SDG No.: CTO287-2

Instrument ID: GC08 Calibration Date(s): 02/26/03 06/09/03

Column: RTX-CLPII ID: 0.53 (mm) Calibration Time(s): 1140 1845

RF0: 8TB4184

COMPOUND	RF0	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MA
alpha-BHC		2ORDR	1.294e-003	3.241e-007	1.148e-013	0.9999000	0
gamma BHC		2ORDR	8.934e-004	3.685e-007	1.386e-013	0.9999400	0
Heptachlor		2ORDR	-3.79e-004	5.018e-007	1.615e-013	0.9997100	0
beta-BHC		2ORDR	-8.3e-005	7.944e-007	8.068e-013	0.9999600	0
Aldrin		2ORDR	6.983e-004	4.707e-007	2.171e-013	0.9999500	0
delta-BHC		2ORDR	1.825e-003	5.649e-007	3.238e-014	0.9994100	0
Heptachlor Epoxide		2ORDR	1.601e-004	5.815e-007	4.016e-013	1.0000000	0
Endosulfan I		2ORDR	-1.05e-004	7.155e-007	4.405e-013	1.0000000	0
4,4'-DDE		2ORDR	2.114e-004	6.599e-007	3.36e-013	0.9999900	0
Dieldrin		2ORDR	3.602e-004	6.821e-007	2.477e-013	0.9999900	0
Endrin		2ORDR	5.862e-004	7.025e-007	5.915e-013	0.9999600	0
4,4'-DDD		2ORDR	1.136e-003	1.021e-006	1.219e-013	0.9997900	0
Endosulfan II		2ORDR	1.442e-004	7.191e-007	5.358e-013	0.9999700	0
4,4'-DDT		2ORDR	8.579e-004	8.562e-007	1.957e-013	0.9999000	0
Endrin Aldehyde		2ORDR	-3.07e-004	8.93e-007	9.e-013	0.9999000	0
Endosulfan sulfate		2ORDR	1.678e-004	1.161e-006	4.952e-014	0.9992200	0
Methoxychlor		2ORDR	2.039e-004	1.689e-006	1.509e-012	0.9997600	0
Toxaphene	29442	2ORDR	6.682e-002	3.101e-004	8.821e-010	0.9984300	0
(2)	30802	2ORDR	0.11460370	2.843e-004	1.135e-009	0.9976200	0
(3)	81942	2ORDR	0.13852099	1.245e-004	-5.62e-011	0.9980300	0
(4)	119660	2ORDR	8.828e-002	7.73e-005	4.371e-011	0.9988900	0
(5)	48018	2ORDR	0.19951335	2.128e-004	-2.01e-010	0.9965800	0
(6)	341150	2ORDR	3.318e-002	2.286e-005	1.839e-011	0.9996200	0
(7)	298790	2ORDR	6.112e-002	2.879e-005	1.468e-011	0.9995400	0
(8)	173810	2ORDR	9.687e-002	5.273e-005	2.323e-011	0.9989400	0
(9)	132920	2ORDR	0.12738841	7.802e-005	-3.02e-011	0.9984400	0
(10)	227680	2ORDR	9.114e-002	4.194e-005	6.401e-012	0.9992000	0
alpha-Chlordane		2ORDR	-6.04e-005	6.494e-007	4.616e-013	1.0000000	0
gamma-Chlordane		2ORDR	1.07e-004	6.156e-007	2.996e-013	1.0000000	0
Endrin Ketone		2ORDR	8.853e-005	9.32e-007	3.518e-013	0.9993400	0
Tetrachloro-m-Xylene		2ORDR	-4.95e-004	4.826e-007	3.835e-013	0.9999400	0
Decachlorobiphenyl		2ORDR	-1.31e-003	6.312e-007	7.209e-013	0.9999000	0

FORM VI SV

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC08 Calibration Date: 06/09/03 Time: 1912

Lab File ID: 8TF1098 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPI ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Endosulfan I	5.15e-002	5.e-002	2810000.0	0.01	3.00	15.00	2RDR	
gamma BHC	4.88e-002	5.e-002	2883700.0	0.01	-2.40	15.00	2RDR	
beta-BHC	5.01e-002	5.e-002	1271100.0	0.01	0.20	15.00	2RDR	
delta-BHC	4.42e-002	5.e-002	1344400.0	0.01	-11.60	15.00	2RDR	
Heptachlor	5.01e-002	5.e-002	3171000.0	0.01	0.20	15.00	2RDR	
Aldrin	5.05e-002	5.e-002	3236100.0	0.01	1.00	15.00	2RDR	
Heptachlor Epoxide	5.2e-002	5.e-002	2851300.0	0.01	4.00	15.00	2RDR	
gamma-Chlordane	5.09e-002	5.e-002	2721400.0	0.01	1.80	15.00	2RDR	
alpha-Chlordane	4.95e-002	5.e-002	2606200.0	0.01	-1.00	15.00	2RDR	
4,4'-DDE	4.58e-002	5.e-002	1696600.0	0.01	-8.40	15.00	2RDR	
alpha-BHC	4.82e-002	5.e-002	2962200.0	0.01	-3.60	15.00	2RDR	
Dieldrin	4.92e-002	5.e-002	2355100.0	0.01	-1.60	15.00	2RDR	
Endrin	5.24e-002	5.e-002	2178000.0	0.01	4.80	15.00	2RDR	
4,4'-DDD	4.09e-002	5.e-002	559460.00	0.01	-18.20	15.00	2RDR	<-
Endosulfan II	4.98e-002	5.e-002	1644100.0	0.01	-0.40	15.00	2RDR	
4,4'-DDT	4.69e-002	5.e-002	963480.00	0.01	-6.20	15.00	2RDR	
Endrin Aldehyde	4.87e-002	5.e-002	738000.00	0.01	-2.60	15.00	2RDR	
Methoxychlor	4.99e-002	5.e-002	279240.00	0.01	-0.20	15.00	2RDR	
Endosulfan sulfate	4.85e-002	5.e-002	708160.00	0.01	-3.00	15.00	2RDR	
Endrin Ketone	4.98e-002	5.e-002	1136100.0	0.01	-0.40	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC08 Calibration Date: 06/09/03 Time: 1912

Lab File ID: 8TF2098 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPII ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4,4'-DDE	5.02e-002	5.e-002	1459800.0	0.01	0.40	15.00	2RDR
gamma BHC	5.03e-002	5.e-002	2560400.0	0.01	0.60	15.00	2RDR
beta-BHC	5.03e-002	5.e-002	1195500.0	0.01	0.60	15.00	2RDR
delta-BHC	4.96e-002	5.e-002	1684500.0	0.01	-0.80	15.00	2RDR
Heptachlor	5.01e-002	5.e-002	1951600.0	0.01	0.20	15.00	2RDR
Aldrin	4.95e-002	5.e-002	1983900.0	0.01	-1.00	15.00	2RDR
Heptachlor Epoxide	5.04e-002	5.e-002	1635500.0	0.01	0.80	15.00	2RDR
gamma-Chlordane	4.96e-002	5.e-002	1550700.0	0.01	-0.80	15.00	2RDR
alpha-Chlordane	5.08e-002	5.e-002	1487100.0	0.01	1.60	15.00	2RDR
Endosulfan I	5.2e-002	5.e-002	1396400.0	0.01	4.00	15.00	2RDR
alpha-BHC	4.96e-002	5.e-002	2840000.0	0.01	-0.80	15.00	2RDR
Dieldrin	5.13e-002	5.e-002	1454500.0	0.01	2.60	15.00	2RDR
Endrin	5.35e-002	5.e-002	1420400.0	0.01	7.00	15.00	2RDR
4,4'-DDD	4.78e-002	5.e-002	908700.00	0.01	-4.40	15.00	2RDR
Endosulfan II	5.02e-002	5.e-002	1327600.0	0.01	0.40	15.00	2RDR
4,4'-DDT	4.87e-002	5.e-002	1103400.0	0.01	-2.60	15.00	2RDR
Endrin Aldehyde	4.82e-002	5.e-002	1031600.0	0.01	-3.60	15.00	2RDR
Endosulfan sulfate	5.01e-002	5.e-002	859260.00	0.01	0.20	15.00	2RDR
Methoxychlor	4.83e-002	5.e-002	555340.00	0.01	-3.40	15.00	2RDR
Endrin Ketone	5.19e-002	5.e-002	1089000.0	0.01	3.80	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC08 Calibration Date: 06/10/03 Time: 0842

Lab File ID: 8TF1128 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPI ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
alpha-BHC	5.08e-002	5.e-002	3116100.0	0.01	1.60	15.00	2RDR	
gamma BHC	4.98e-002	5.e-002	2942200.0	0.01	-0.40	15.00	2RDR	
Heptachlor	5.25e-002	5.e-002	3311900.0	0.01	5.00	15.00	2RDR	
beta-BHC	4.89e-002	5.e-002	1241000.0	0.01	-2.20	15.00	2RDR	
Aldrin	5.19e-002	5.e-002	3317300.0	0.01	3.80	15.00	2RDR	
delta-BHC	4.72e-002	5.e-002	1445000.0	0.01	-5.60	15.00	2RDR	
Heptachlor Epoxide	5.08e-002	5.e-002	2787400.0	0.01	1.60	15.00	2RDR	
Endosulfan I	5.31e-002	5.e-002	2892800.0	0.01	6.20	15.00	2RDR	
4,4'-DDE	4.66e-002	5.e-002	1722500.0	0.01	-6.80	15.00	2RDR	
Dieldrin	5.03e-002	5.e-002	2404500.0	0.01	0.60	15.00	2RDR	
Endrin	5.06e-002	5.e-002	2106700.0	0.01	1.20	15.00	2RDR	
4,4'-DDD	3.99e-002	5.e-002	544740.00	0.01	-20.20	15.00	2RDR	<-
Endosulfan II	5.11e-002	5.e-002	1688400.0	0.01	2.20	15.00	2RDR	
4,4'-DDT	4.54e-002	5.e-002	932100.00	0.01	-9.20	15.00	2RDR	
Endrin Aldehyde	5.1e-002	5.e-002	771360.00	0.01	2.00	15.00	2RDR	
Endosulfan sulfate	5.55e-002	5.e-002	816580.00	0.01	11.00	15.00	2RDR	
Methoxychlor	3.95e-002	5.e-002	221120.00	0.01	-21.00	15.00	2RDR	<-
alpha-Chlordane	5.05e-002	5.e-002	2655400.0	0.01	1.00	15.00	2RDR	
gamma-Chlordane	5.01e-002	5.e-002	2679800.0	0.01	0.20	15.00	2RDR	
Endrin Ketone	5.49e-002	5.e-002	1251700.0	0.01	9.80	15.00	2RDR	
Tetrachloro-m-Xylene	4.95e-002	5.e-002	2207500.0	0.01	-1.00	15.00	2RDR	
Decachlorobiphenyl	4.81e-002	5.e-002	1596800.0	0.01	-3.80	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC08 Calibration Date: 06/10/03 Time: 0842

Lab File ID: 8TF2128 Init. Calib. Date(s): 02/26/03 06/09/03

Init. Calib. Times: 1140 1845

GC Column: RTX-CLPII ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.03e-002	5.e-002	2874500.0	0.01	0.60	15.00	2RDR
gamma BHC	5.03e-002	5.e-002	2559300.0	0.01	0.60	15.00	2RDR
Heptachlor	5.41e-002	5.e-002	2100600.0	0.01	8.20	15.00	2RDR
beta-BHC	5.15e-002	5.e-002	1222400.0	0.01	3.00	15.00	2RDR
Aldrin	4.97e-002	5.e-002	1991700.0	0.01	-0.60	15.00	2RDR
delta-BHC	5.3e-002	5.e-002	1801400.0	0.01	6.00	15.00	2RDR
Heptachlor Epoxide	5.e-002	5.e-002	1622200.0	0.01	0.00	15.00	2RDR
Endosulfan I	5.15e-002	5.e-002	1382500.0	0.01	3.00	15.00	2RDR
4,4'-DDE	4.89e-002	5.e-002	1424900.0	0.01	-2.20	15.00	2RDR
Dieldrin	5.19e-002	5.e-002	1472800.0	0.01	3.80	15.00	2RDR
Endrin	5.09e-002	5.e-002	1355400.0	0.01	1.80	15.00	2RDR
4,4'-DDD	4.82e-002	5.e-002	917600.00	0.01	-3.60	15.00	2RDR
Endosulfan II	5.11e-002	5.e-002	1348500.0	0.01	2.20	15.00	2RDR
4,4'-DDT	4.97e-002	5.e-002	1125400.0	0.01	-0.60	15.00	2RDR
Endrin Aldehyde	4.96e-002	5.e-002	1061600.0	0.01	-0.80	15.00	2RDR
Endosulfan sulfate	5.64e-002	5.e-002	966620.00	0.01	12.80	15.00	2RDR
Methoxychlor	4.99e-002	5.e-002	573360.00	0.01	-0.20	15.00	2RDR
alpha-Chlordane	5.03e-002	5.e-002	1472800.0	0.01	0.60	15.00	2RDR
gamma-Chlordane	5.01e-002	5.e-002	1564600.0	0.01	0.20	15.00	2RDR
Endrin Ketone	5.62e-002	5.e-002	1176900.0	0.01	12.40	15.00	2RDR
Tetrachloro-m-Xylene	5.14e-002	5.e-002	1993400.0	0.01	2.80	15.00	2RDR
Decachlorobiphenyl	5.14e-002	5.e-002	1535700.0	0.01	2.80	15.00	2RDR

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/09/03
Report Date: 06/16/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2334-1
Client ID: WG2334-Blank
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2334
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	0.050	1.0	0.050	0.050	0.025
58-89-9	gamma BHC	U	0.050	1.0	0.050	0.050	0.022
76-44-8	Heptachlor	U	0.050	1.0	0.050	0.050	0.024
319-85-7	beta-BHC	U	0.050	1.0	0.050	0.050	0.042
309-00-2	Aldrin	U	0.050	1.0	0.050	0.050	0.022
319-86-8	delta-BHC	U	0.050	1.0	0.050	0.050	0.029
1024-57-3	Heptachlor Epoxide	U	0.050	1.0	0.050	0.050	0.023
959-98-8	Endosulfan I	U	0.050	1.0	0.050	0.050	0.018
72-55-9	4,4'-DDE	U	0.10	1.0	0.10	0.10	0.028
60-57-1	Dieldrin	U	0.10	1.0	0.10	0.10	0.017
72-20-8	Endrin	U	0.10	1.0	0.10	0.10	0.018
72-54-8	4,4'-DDD	U	0.10	1.0	0.10	0.10	0.028
33213-65-9	Endosulfan II	U	0.10	1.0	0.10	0.10	0.016
50-29-3	4,4'-DDT	U	0.10	1.0	0.10	0.10	0.030
7421-36-3	Endrin Aldehyde	U	0.10	1.0	0.10	0.10	0.021
1031-07-8	Endosulfan sulfate	U	0.10	1.0	0.10	0.10	0.023
72-43-5	Methoxychlor	U	0.50	1.0	0.50	0.50	0.045
8001-35-2	Toxaphene	U	1.0	1.0	1.0	1.0	0.92
5103-71-9	alpha-Chlordane	U	0.050	1.0	0.050	0.050	0.019
5103-74-2	gamma-Chlordane	U	0.050	1.0	0.050	0.050	0.019
53494-70-5	Endrin Ketone	U	0.10	1.0	0.10	0.10	0.020
877-09-8	Tetrachloro-m-Xylene		51%				
2051-24-3	Decachlorobiphenyl		58%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/10/03
Report Date: 06/16/2003
Matrix: WATER

Lab ID: WG2334-2 & WG2334-3
Client ID: WG2334-LCS & WG2334-LCSD
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8081A
Lab Prep Batch: WG2334
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
alpha-BHC	0.50	0.50	NA	0.35	0.36	69	71	3	30	52-118
gamma BHC	0.50	0.50	NA	0.37	0.37	74	74	0.5	30	57-123
Heptachlor	0.50	0.50	NA	0.37	0.35	74	69	6	30	40-139
beta-BHC	0.50	0.50	NA	0.42	0.38	83	76	8	30	59-136
Aldrin	0.50	0.50	NA	0.37	0.35	74	71	4	30	54-116
delta-BHC	0.50	0.50	NA	0.41	0.38	82	* 75	8	30	77-127
Heptachlor Epoxide	0.50	0.50	NA	0.43	0.41	86	81	6	30	70-126
Endosulfan I	0.50	0.50	NA	0.41	0.38	81	76	6	30	65-127
4,4'-DDE	0.50	0.50	NA	0.44	0.41	87	81	7	30	69-124
Dieldrin	0.50	0.50	NA	0.45	0.41	90	83	9	30	76-127
Endrin	0.50	0.50	NA	0.47	0.44	93	87	7	30	84-132
4,4'-DDD	0.50	0.50	NA	0.46	0.40	91	* 81	12	30	83-123
Endosulfan II	0.50	0.50	NA	0.43	0.40	85	81	5	30	79-129
4,4'-DDT	0.50	0.50	NA	0.42	0.40	* 84	* 80	5	30	86-124
Endrin Aldehyde	0.50	0.50	NA	0.44	0.42	89	* 84	6	30	88-136
Endosulfan sulfate	0.50	0.50	NA	0.45	0.41	90	* 82	10	30	90-129
Methoxychlor	0.50	0.50	NA	0.50	0.45	100	91	10	30	76-168
alpha-Chlordane	0.50	0.50	NA	0.43	0.41	86	82	5	30	64-128
gamma-Chlordane	0.50	0.50	NA	0.43	0.40	86	80	7	30	64-125
Endrin Ketone	0.50	0.50	NA	0.48	0.43	95	* 86	11	30	87-132

FORM III PEST-1

8TF1109.d & 8TF1110.d

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

GC Column(1): ZB-5 ID: 0.53 (mm) GC Column(2): ZB-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	WG2335-BLANK	WG2335-1	54	49	54	54			0
02	WG2335-LCS	WG2335-2	60	55	59	61			0
03	03GLM0202	WT1128-11	78	70	51*	52*			2
04	03GLM0302	WT1147-7	63	56	64	65			0
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
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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

FORM II PEST-1

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC06 Calibration Date(s): 05/10/03 05/10/03

Column: ZB-5 ID: 0.53 (mm) Calibration Time(s): 1007 2158

LAB FILE ID: RF0.05: 6TE1123 RF0.1: 6TE1124 RF0.25: 6TE1125
RF1: 6TE1122 RF2.5: 6TE1126 RF10: 6TE1127

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	872	1742	4006	14841	30908	104070	2ORDR	-3e-002	7e-005	2e-010	0.99981	0.99000	
(2)	1476	2889	6375	22313	45496	146800	2ORDR	-4e-002	5e-005	1e-010	0.99978	0.99000	
(3)	2030	4109	9671	39992	86436	302780	2ORDR	-2e-002	3e-005	2e-011	0.99987	0.99000	
(4)	658	1348	3196	13981	31623	115780	2ORDR	-6e-003	8e-005	1e-010	0.99993	0.99000	
(5)	768	1551	3687	14500	31687	111700	2ORDR	-2e-002	7e-005	1e-010	0.99989	0.99000	
Aroclor-1221							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
Aroclor-1232							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
(5)							2ORDR					0.00000	<-
Aroclor-1242	692	1340	3269	12596	25887	88241	2ORDR	-3e-002	9e-005	3.e-010	0.99975	0.99000	
(2)	1134	2146	4952	18392	36380	120020	2ORDR	-4e-002	6.e-005	2e-010	0.99964	0.99000	
(3)	838	1626	3926	15754	32103	111380	2ORDR	-3e-002	7e-005	2e-010	0.99970	0.99000	
(4)	1489	2917	7284	31162	66776	245460	2ORDR	-2e-002	4e-005	2e-011	0.99981	0.99000	
(5)	912	1774	4334	18011	37893	135400	2ORDR	-2e-002	6e-005	9e-011	0.99978	0.99000	
Aroclor-1248	673	1220	2757	9655	20408	65906	2ORDR	-4e-002	1e-004	7e-010	0.99988	0.99000	
(2)	1170	2011	4640	18223	41858	149650	2ORDR	-2e-002	6e-005	7e-011	0.99997	0.99000	
(3)	1235	2189	5050	19576	43777	150960	2ORDR	-2e-002	5e-005	9e-011	0.99995	0.99000	
(4)	997	1731	3927	13781	29212	94641	2ORDR	-4e-002	8e-005	3e-010	0.99989	0.99000	
(5)	797	1378	3160	12337	28068	100760	2ORDR	-2e-002	8e-005	1e-010	0.99996	0.99000	
Aroclor-1254	492	963	2244	8758	18909	64813	2ORDR	-2e-002	1e-004	5e-010	0.99989	0.99000	
(2)	2247	4174	9194	33676	71113	241280	2ORDR	-4e-002	3e-005	4e-011	0.99984	0.99000	
(3)	2014	3853	8961	35917	78922	278170	2ORDR	-2e-002	3.e-005	2e-011	0.99991	0.99000	
(4)	1580	2989	6975	28041	61473	220880	2ORDR	-2e-002	4e-005	3e-011	0.99989	0.99000	
(5)	449	823	2012	8692	19896	73810	2ORDR	-7e-003	1e-004	2.e-010	0.99995	0.99000	
Aroclor-1260	1946	3759	8336	29449	62288	213370	2ORDR	-4e-002	4e-005	5e-011	0.99983	0.99000	
(2)	1986	3933	8846	32573	70019	244790	2ORDR	-3e-002	3e-005	3e-011	0.99986	0.99000	
(3)	1917	3906	9167	36017	79338	284900	2ORDR	-2e-002	3.e-005	2e-011	0.99990	0.99000	
(4)	1106	2327	5615	23402	52466	195080	2ORDR	-1e-002	5e-005	3e-011	0.99991	0.99000	
(5)	547	1179	2870	11700	26364	96985	2ORDR	-1e-002	9e-005	1e-010	0.99993	0.99000	
Tetrachloro-m-xylene	779	1565	3789	16622	38895	144070	2ORDR	-1e-005	1e-006	1e-012	0.99997	0.99000	
Decachlorobiphenyl	664	1364	3268	12292	26489	88652	2ORDR	-4e-004	2e-006	6e-012	0.99990	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC06 Calibration Date(s): 05/10/03 05/10/03

Column: ZB-35 ID: 0.53 (mm) Calibration Time(s): 1007 2158

LAB FILE ID: RF0.05: 6TE2123 RF0.1: 6TE2124 RF0.25: 6TE2125
RF1: 6TE2122 RF2.5: 6TE2126 RF10: 6TE2127

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	1713	3485	7649	27528	55331	175750	2ORDR	-4e-002	4e-005	1.e-010	0.99976	0.99000	
(2)	3752	7209	15439	53474	105790	331970	2ORDR	-5e-002	2.e-005	3e-011	0.99972	0.99000	
(3)	4752	9771	22334	84885	180200	617470	2ORDR	-3e-002	1e-005	6e-012	0.99984	0.99000	
(4)	2320	4510	9786	35514	75489	255870	2ORDR	-4e-002	3.e-005	3e-011	0.99986	0.99000	
(5)	2455	4752	10269	35253	70875	226930	2ORDR	-5e-002	3e-005	6.e-011	0.99974	0.99000	
Aroclor-1221							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
Aroclor-1232							2ORDR					0.00000	<-
(2)							2ORDR					0.00000	<-
(3)							2ORDR					0.00000	<-
(4)							2ORDR					0.00000	<-
(5)							2ORDR					0.00000	<-
Aroclor-1242	1402	2666	6370	23186	46793	150280	2ORDR	-3e-002	5e-005	1e-010	0.99976	0.99000	
(2)	2926	5439	12406	43505	85885	271050	2ORDR	-4e-002	2e-005	5e-011	0.99970	0.99000	
(3)	1136	2207	5272	19503	38894	124420	2ORDR	-3e-002	6e-005	2.e-010	0.99972	0.99000	
(4)	3515	6758	16827	67697	142220	497200	2ORDR	-2e-002	2e-005	8.e-012	0.99979	0.99000	
(5)	1822	3166	7444	28778	59861	206650	2ORDR	-3e-002	4e-005	5.e-011	0.99978	0.99000	
Aroclor-1248	1627	2783	6368	21621	44797	137210	2ORDR	-4e-002	5e-005	2e-010	0.99989	0.99000	
(2)	2985	4808	10703	40626	90043	309430	2ORDR	-3e-002	3e-005	2e-011	0.99994	0.99000	
(3)	3355	5630	12179	41332	86185	272200	2ORDR	-4e-002	3e-005	4e-011	0.99987	0.99000	
(4)	3262	5445	12059	42671	90930	293160	2ORDR	-4e-002	2e-005	3e-011	0.99991	0.99000	
(5)	2140	3742	8423	30902	67135	223240	2ORDR	-3e-002	3e-005	5.e-011	0.99992	0.99000	
Aroclor-1254	1042	2001	4547	17241	36369	120630	2ORDR	-3e-002	6e-005	2e-010	0.99986	0.99000	
(2)	3093	5662	12178	43727	89777	291460	2ORDR	-4e-002	2e-005	3e-011	0.99980	0.99000	
(3)	3496	6424	14099	51254	107450	357380	2ORDR	-4e-002	2e-005	2.e-011	0.99984	0.99000	
(4)	3972	7274	16152	61018	129460	449510	2ORDR	-3e-002	2e-005	1e-011	0.99984	0.99000	
(5)	3259	6129	13876	53834	115550	402710	2ORDR	-3e-002	2.e-005	1e-011	0.99986	0.99000	
Aroclor-1260	4191	7973	17250	59581	125150	418550	2ORDR	-4e-002	2e-005	1e-011	0.99983	0.99000	
(2)	4399	8574	18827	66915	142330	487130	2ORDR	-4e-002	2e-005	9e-012	0.99985	0.99000	
(3)	3217	6311	14200	50323	108600	376610	2ORDR	-4e-002	2e-005	1e-011	0.99987	0.99000	
(4)	5269	10800	24688	92997	204530	746750	2ORDR	-3e-002	1e-005	2e-012	0.99989	0.99000	
(5)	1364	2756	6428	24536	53387	190380	2ORDR	-3e-002	4e-005	5e-011	0.99988	0.99000	
Tetrachloro-m-xylene	1889	3901	9161	36917	81444	284040	2ORDR	-3e-004	6e-007	5e-013	0.99992	0.99000	
Decachlorobiphenyl	1525	3030	6722	23377	48340	160170	2ORDR	-8e-004	9e-007	2.e-012	0.99980	0.99000	

FORM VI SV

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1258

Lab File ID: 6TE1108 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0586000	1.0000000	14311.000	0.01	5.86	15.00	2RDR
(2)	1.0096000	1.0000000	20556.000	0.01	0.96	15.00	2RDR
(3)	0.9667500	1.0000000	35651.000	0.01	-3.32	15.00	2RDR
(4)	0.9604000	1.0000000	12617.000	0.01	-3.96	15.00	2RDR
(5)	1.0964000	1.0000000	14699.000	0.01	9.64	15.00	2RDR
Average %D: 1.8300							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1258

Lab File ID: 6TE2108 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0610000	1.0000000	26424.000	0.01	6.10	15.00	2RDR
(2)	1.0129000	1.0000000	49020.000	0.01	1.29	15.00	2RDR
(3)	0.9724500	1.0000000	76176.000	0.01	-2.76	15.00	2RDR
(4)	0.9739000	1.0000000	32153.000	0.01	-2.61	15.00	2RDR
(5)	0.9652500	1.0000000	31099.000	0.01	-3.48	15.00	2RDR
Average %D: -0.290							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC06 Calibration Date: 05/10/03 Time: 1326

Lab File ID: 6TE1109 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	1.0376000	1.0000000	28010.000	0.01	3.76	15.00	2RDR
(2)	1.0262000	1.0000000	30835.000	0.01	2.62	15.00	2RDR
(3)	0.9190100	1.0000000	30826.000	0.01	-8.10	15.00	2RDR
(4)	1.0818000	1.0000000	23539.000	0.01	8.18	15.00	2RDR
(5)	1.2308000	1.0000000	13383.000	0.01	23.08	15.00	2RDR <-
Average %D: 5.9100							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 1001

Lab File ID: 6TF1035 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.9144300	1.0000000	12488.000	0.01	-8.56	15.00	2RDR
(2)	0.9533300	1.0000000	19558.000	0.01	-4.67	15.00	2RDR
(3)	0.9494200	1.0000000	35137.000	0.01	-5.06	15.00	2RDR
(4)	0.9241400	1.0000000	12185.000	0.01	-7.59	15.00	2RDR
(5)	0.9713300	1.0000000	13132.000	0.01	-2.87	15.00	2RDR
Average %D: -5.750							
Aroclor-1260	0.9998100	1.0000000	27193.000	0.01	-0.02	15.00	2RDR
(2)	1.0115000	1.0000000	30516.000	0.01	1.15	15.00	2RDR
(3)	1.0111000	1.0000000	33958.000	0.01	1.11	15.00	2RDR
(4)	0.9948400	1.0000000	21764.000	0.01	-0.52	15.00	2RDR
(5)	0.9769200	1.0000000	10758.000	0.01	-2.31	15.00	2RDR
Average %D: -0.120							
Tetrachloro-m-xylene	1.8e-002	2.e-002	721550.00	0.01	-10.00	15.00	2RDR
Decachlorobiphenyl	1.93e-002	2.e-002	557150.00	0.01	-3.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 1001

Lab File ID: 6TF2035 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8408000	1.0000000	21391.000	0.01	-15.92	15.00	2RDR	<-
(2)	0.9001900	1.0000000	44103.000	0.01	-9.98	15.00	2RDR	
(3)	0.8809100	1.0000000	69396.000	0.01	-11.91	15.00	2RDR	
(4)	0.8863200	1.0000000	29447.000	0.01	-11.37	15.00	2RDR	
(5)	0.9126800	1.0000000	29561.000	0.01	-8.73	15.00	2RDR	
Average %D: -11.58								
Aroclor-1260	0.9269400	1.0000000	51465.000	0.01	-7.31	15.00	2RDR	
(2)	0.9295900	1.0000000	57952.000	0.01	-7.04	15.00	2RDR	
(3)	0.9271800	1.0000000	43738.000	0.01	-7.28	15.00	2RDR	
(4)	0.9379800	1.0000000	81482.000	0.01	-6.20	15.00	2RDR	
(5)	0.9734000	1.0000000	22192.000	0.01	-2.66	15.00	2RDR	
Average %D: -6.100								
Tetrachloro-m-xylene	1.68e-002	2.e-002	1465000.0	0.01	-16.00	15.00	2RDR	<-
Decachlorobiphenyl	1.96e-002	2.e-002	1051100.0	0.01	-2.00	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 2135

Lab File ID: 6TF1057 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.9323800	1.0000000	12716.000	0.01	-6.76	15.00	2RDR
(2)	0.9921800	1.0000000	20282.000	0.01	-0.78	15.00	2RDR
(3)	0.9632900	1.0000000	35628.000	0.01	-3.67	15.00	2RDR
(4)	0.9563500	1.0000000	12600.000	0.01	-4.36	15.00	2RDR
(5)	1.0226000	1.0000000	13793.000	0.01	2.26	15.00	2RDR
Average %D: -2.660							
Aroclor-1260	1.0745000	1.0000000	29079.000	0.01	7.45	15.00	2RDR
(2)	1.0691000	1.0000000	32149.000	0.01	6.91	15.00	2RDR
(3)	1.0598000	1.0000000	35526.000	0.01	5.98	15.00	2RDR
(4)	1.0547000	1.0000000	23038.000	0.01	5.47	15.00	2RDR
(5)	1.0576000	1.0000000	11621.000	0.01	5.76	15.00	2RDR
Average %D: 6.3100							
Tetrachloro-m-xylene	1.92e-002	2.e-002	769250.00	0.01	-4.00	15.00	2RDR
Decachlorobiphenyl	2.19e-002	2.e-002	626650.00	0.01	9.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GC06 Calibration Date: 06/07/03 Time: 2135

Lab File ID: 6TF2057 Init. Calib. Date(s): 05/10/03 05/10/03

Init. Calib. Times: 1007 2158

GC Column: ZB-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	0.8760300	1.0000000	22203.000	0.01	-12.40	15.00	2RDR
(2)	0.9524800	1.0000000	46388.000	0.01	-4.75	15.00	2RDR
(3)	0.8994300	1.0000000	70767.000	0.01	-10.06	15.00	2RDR
(4)	0.9296100	1.0000000	30783.000	0.01	-7.04	15.00	2RDR
(5)	0.9849300	1.0000000	31664.000	0.01	-1.51	15.00	2RDR
Average %D: -7.150							
Aroclor-1260	0.9896000	1.0000000	54658.000	0.01	-1.04	15.00	2RDR
(2)	0.9767500	1.0000000	60684.000	0.01	-2.32	15.00	2RDR
(3)	1.0110000	1.0000000	47433.000	0.01	1.10	15.00	2RDR
(4)	1.0101000	1.0000000	87457.000	0.01	1.01	15.00	2RDR
(5)	1.0894000	1.0000000	24705.000	0.01	8.94	15.00	2RDR
Average %D: 1.5400							
Tetrachloro-m-xylene	1.81e-002	2.e-002	1571700.0	0.01	-9.50	15.00	2RDR
Decachlorobiphenyl	2.25e-002	2.e-002	1196000.0	0.01	12.50	15.00	2RDR

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/07/03
Report Date: 06/11/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2335-1
Client ID: WG2335-Blank
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2335
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	0.30
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.32
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.25
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.13
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.16
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.12
877-09-8	Tetrachloro-m-xylene		54%				
2051-24-3	Decachlorobiphenyl		54%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/20/03
Analysis Date: 06/07/03
Report Date: 06/11/2003
Matrix: WATER

Lab ID: WG2335-2
Client ID: WG2335-LCS
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: GDL
Analysis Method: SW846 8082
Lab Prep Batch: WG2335
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Aroclor-1016	5.0	NA	3.8	76	51-146
Aroclor-1260	5.0	NA	4.5	90	63-132

FORM III PEST-1

6TF1040.d

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG2354-BLANK	WG2354-1B	51	85	76						0
02	WG2354-LCSD	WG2354-5	40	92	102						0
03	WG2354-LCS	WG2354-4	61	150	95						0
04	10GLM04R01	WT1128-2	110	83	89						0
05	10GLMRL051403	WT1128-10	56	100	67						0
06	03GLM0202	WT1128-12	59	118	71						0
07	WG2353-BLANK	WG2353-1B	54	82	70						0
08	WG2353-LCS	WG2353-4	60	97	79						0
09	WG2353-LCSD	WG2353-5	47	90	85						0
10	13GLM02D02	WT1147-2	65	131	78						0
11	13GLM02S02	WT1147-4	55	82	74						0
12	13GLM0202	WT1147-6	58	115	68						0
13	03GLM0302	WT1147-8	50	76	68						0
14	13GLM09I02	WT1147-10	47	82	66						0
15	13RL051503	WT1147-14	56	88	64						0
16	13GLM05S02	WT1147-17	52	73	66						0
17	13GLM05I02	WT1147-19	63	82	70						0
18	10GLM05DR01	WT1128-4RA	75	96	70						0
19	10GLM0202	WT1128-6RA	62	80	72						0
20	10GLM0801	WT1128-8RA	77	87	93						0
21	13GLM09S02	WT1147-12DL	66	124	68						0
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1	= 2-Methylnaphthalene-d1	(30-150)
S2	= Fluorene-d10	(30-150)
S3	= Pyrene-d10	(30-150)

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

FORM II SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Lab File ID (Standard): X2985 Date Analyzed: 06/10/03

Instrument ID: GCMS-X Time Analyzed: 1513

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		20852	17.83	14364	24.09	7321	27.19
UPPER LIMIT		41704	18.33	28728	24.59	14642	27.69
LOWER LIMIT		10426	17.33	7182	23.59	3661	26.69
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG2354-LCSD	WG2354-5	11192	17.83	5760*	24.09	3016*	27.19
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

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-X Calibration Date(s): 06/06/03 06/06/03

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1640 2016

LAB FILE ID: RF0.125: X2958 RF0.625: X2960 RF1.25: X2956
RF2: X2961 RF2.5: X2959 RF3: X2957

COMPOUND	RF0.125	RF0.625	RF1.25	RF2	RF2.5	RF3	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	0.887	1.088	1.060	1.197	0.994	1.244	AVRG		1.07838		12.153	15.000
2-Methylnaphthalene	0.596	0.497	0.567	0.597	0.532	0.661	AVRG		0.57512		9.945	15.000
Acenaphthylene	1.131	1.432	1.242	1.203	1.332	1.348	AVRG		1.28130		8.534	15.000
Acenaphthene	0.684	0.760	0.690	0.825	0.717	0.738	AVRG		0.73585		7.145	30.000
Fluorene	0.655	0.767	0.866	0.755	0.869	0.858	AVRG		0.79522		10.738	15.000
Phenanthrene	0.917	1.005	0.927	1.134	1.245	1.083	AVRG		1.05170		12.112	15.000
Anthracene	1.093	1.325	0.880	1.173	1.204	1.092	AVRG		1.12791		13.178	15.000
Fluoranthene	1.012	1.016	0.812	0.979	1.097	0.925	AVRG		0.97357		9.952	30.000
Pyrene	1.250	1.429	1.253	1.560	1.526	1.591	AVRG		1.43471		10.595	15.000
Benzo(a)anthracene	1246	4619	25752	21327	28304	35394	2ORDR	5e-002	1.21687	-9e-002	0.99256	0.99000
Chrysene	1.307	1.375	1.237	1.365	1.332	1.706	AVRG		1.38696		11.813	15.000
Benzo(b)fluoranthene	1.288	1.283	1.382	1.585	1.656	1.825	AVRG		1.50331		14.683	15.000
Benzo(k)fluoranthene	1.859	2.066	1.696	2.078	2.167	2.174	AVRG		2.00688		9.471	15.000
Benzo(a)pyrene	1.308	1.430	1.222	1.366	1.481	1.597	AVRG		1.40081		9.460	30.000
Indeno(1,2,3-cd)pyrene	0.810	0.787	0.866	0.918	1.010	1.139	AVRG		0.92161		14.464	15.000
Dibenzo(a,h)anthracene	0.978	0.984	0.907	1.052	1.112	1.195	AVRG		1.03808		9.998	15.000
Benzo(g,h,i)perylene	1.284	1.302	1.159	1.464	1.494	1.544	AVRG		1.37460		10.844	15.000
1-Methylnaphthalene	0.922	0.845	0.970	0.936	0.855	1.046	AVRG		0.92893		8.055	15.000
2-Methylnaphthalene-d10	0.465	0.538	0.607	0.556	0.517	0.593	AVRG		0.54591		9.481	35.000
Fluorene-d10	0.598	0.653	0.689	0.639	0.689	0.727	AVRG		0.66577		6.783	35.000
Pyrene-d10	0.890	1.148	0.914	1.182	1.024	1.109	AVRG		1.04449		11.705	35.000

Average %RSD test result.

Calculate Average %RSD: 12.28143787
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-X Calibration Date: 06/09/03 Time: 1600

Lab File ID: X2974 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.8559900	0.8559900	0.01	-20.60		AVRG
2-Methylnaphthalene	0.5750000	0.4381600	0.4381600	0.01	-23.80		AVRG
Acenaphthylene	1.2810000	1.6814000	1.6814000	0.01	31.26		AVRG
Acenaphthene	0.7360000	0.8569300	0.8569300	0.01	16.43	20.00	AVRG
Fluorene	0.7950000	0.9649600	0.9649600	0.01	21.38		AVRG
Phenanthrene	1.0520000	0.8984800	0.8984800	0.01	-14.59		AVRG
Anthracene	1.1280000	0.9382600	0.9382600	0.01	-16.82		AVRG
Fluoranthene	0.9740000	0.8752500	0.8752500	0.01	-10.14	20.00	AVRG
Pyrene	1.4350000	1.2948000	1.2948000	0.01	-9.77		AVRG
Benzo(a)anthracene	1.1128000	1.2500000	0.7740500	0.01	-10.98		2RDR
Chrysene	1.3870000	1.4893000	1.4893000	0.01	7.38		AVRG
Benzo(b)fluoranthene	1.5030000	1.3565000	1.3565000	0.01	-9.75		AVRG
Benzo(k)fluoranthene	2.0070000	2.2195000	2.2195000	0.01	10.59		AVRG
Benzo(a)pyrene	1.4010000	1.4637000	1.4637000	0.01	4.48	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.9940500	0.9940500	0.01	7.81		AVRG
Dibenzo(a,h)anthracene	1.0380000	1.1557000	1.1557000	0.01	11.34		AVRG
Benzo(g,h,i)perylene	1.3740000	1.4961000	1.4961000	0.01	8.89		AVRG
1-Methylnaphthalene	0.9290000	0.7466700	0.7466700	0.01	-19.63		AVRG
2-Methylnaphthalene-d10	0.5460000	0.4985800	0.4985800	0.01	-8.68		AVRG
Fluorene-d10	0.6660000	0.7805800	0.7805800	0.01	17.20		AVRG
Pyrene-d10	1.0440000	1.0368000	1.0368000	0.01	-0.69		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-X Calibration Date: 06/10/03 Time: 1513

Lab File ID: X2985 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.7722100	0.7722100	0.01	-28.37		AVRG
2-Methylnaphthalene	0.5750000	0.4290700	0.4290700	0.01	-25.38		AVRG
Acenaphthylene	1.2810000	1.1856000	1.1856000	0.01	-7.45		AVRG
Acenaphthene	0.7360000	0.6753600	0.6753600	0.01	-8.24	20.00	AVRG
Fluorene	0.7950000	0.8321500	0.8321500	0.01	4.67		AVRG
Phenanthrene	1.0520000	0.9360600	0.9360600	0.01	-11.02		AVRG
Anthracene	1.1280000	0.9171500	0.9171500	0.01	-18.69		AVRG
Fluoranthene	0.9740000	0.9405700	0.9405700	0.01	-3.43	20.00	AVRG
Pyrene	1.4350000	1.0795000	1.0795000	0.01	-24.77		AVRG
Benzo(a)anthracene	1.1729000	1.2500000	0.8223200	0.01	-6.17		2RDR
Chrysene	1.3870000	1.2205000	1.2205000	0.01	-12.00		AVRG
Benzo(b)fluoranthene	1.5030000	1.2766000	1.2766000	0.01	-15.06		AVRG
Benzo(k)fluoranthene	2.0070000	1.7718000	1.7718000	0.01	-11.72		AVRG
Benzo(a)pyrene	1.4010000	1.1884000	1.1884000	0.01	-15.18	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.7904500	0.7904500	0.01	-14.27		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.8696500	0.8696500	0.01	-16.22		AVRG
Benzo(g,h,i)perylene	1.3740000	1.1831000	1.1831000	0.01	-13.89		AVRG
1-Methylnaphthalene	0.9290000	0.7593400	0.7593400	0.01	-18.26		AVRG
2-Methylnaphthalene-d10	0.5460000	0.6767900	0.6767900	0.01	23.95		AVRG
Fluorene-d10	0.6660000	0.6943300	0.6943300	0.01	4.25		AVRG
Pyrene-d10	1.0440000	0.9248400	0.9248400	0.01	-11.41		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-X Calibration Date: 06/11/03 Time: 1416

Lab File ID: X3002 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.7872900	0.7872900	0.01	-26.97		AVRG
2-Methylnaphthalene	0.5750000	0.4252000	0.4252000	0.01	-26.05		AVRG
Acenaphthylene	1.2810000	1.3343000	1.3343000	0.01	4.16		AVRG
Acenaphthene	0.7360000	0.6711100	0.6711100	0.01	-8.82	20.00	AVRG
Fluorene	0.7950000	0.7932600	0.7932600	0.01	-0.22		AVRG
Phenanthrene	1.0520000	0.7970300	0.7970300	0.01	-24.24		AVRG
Anthracene	1.1280000	0.8777800	0.8777800	0.01	-22.18		AVRG
Fluoranthene	0.9740000	0.8225200	0.8225200	0.01	-15.55	20.00	AVRG
Pyrene	1.4350000	1.2917000	1.2917000	0.01	-9.99		AVRG
Benzo(a)anthracene	1.5248000	1.2500000	1.1190000	0.01	21.98		2RDR
Chrysene	1.3870000	1.4064000	1.4064000	0.01	1.40		AVRG
Benzo(b)fluoranthene	1.5030000	1.2519000	1.2519000	0.01	-16.71		AVRG
Benzo(k)fluoranthene	2.0070000	1.8624000	1.8624000	0.01	-7.20		AVRG
Benzo(a)pyrene	1.4010000	1.3035000	1.3035000	0.01	-6.96	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.6254500	0.6254500	0.01	-32.16		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.6319000	0.6319000	0.01	-39.12		AVRG
Benzo(g,h,i)perylene	1.3740000	0.9610400	0.9610400	0.01	-30.06		AVRG
1-Methylnaphthalene	0.9290000	0.7179100	0.7179100	0.01	-22.72		AVRG
2-Methylnaphthalene-d10	0.5460000	0.4692800	0.4692800	0.01	-14.05		AVRG
Fluorene-d10	0.6660000	0.6674000	0.6674000	0.01	0.21		AVRG
Pyrene-d10	1.0440000	1.0066000	1.0066000	0.01	-3.58		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-X Calibration Date: 06/12/03 Time: 1141

Lab File ID: X3019 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.8166600	0.8166600	0.01	-24.24		AVRG
2-Methylnaphthalene	0.5750000	0.4540300	0.4540300	0.01	-21.04		AVRG
Acenaphthylene	1.2810000	1.1316000	1.1316000	0.01	-11.66		AVRG
Acenaphthene	0.7360000	0.6230300	0.6230300	0.01	-15.35	20.00	AVRG
Fluorene	0.7950000	0.7942200	0.7942200	0.01	-0.10		AVRG
Phenanthrene	1.0520000	0.8049400	0.8049400	0.01	-23.48		AVRG
Anthracene	1.1280000	0.9654700	0.9654700	0.01	-14.41		AVRG
Fluoranthene	0.9740000	0.9147300	0.9147300	0.01	-6.08	20.00	AVRG
Pyrene	1.4350000	1.1038000	1.1038000	0.01	-23.08		AVRG
Benzo(a)anthracene	1.2447000	1.2500000	0.8808000	0.01	-0.42		2RDR
Chrysene	1.3870000	1.1926000	1.1926000	0.01	-14.02		AVRG
Benzo(b)fluoranthene	1.5030000	1.3215000	1.3215000	0.01	-12.08		AVRG
Benzo(k)fluoranthene	2.0070000	2.1252000	2.1252000	0.01	5.89		AVRG
Benzo(a)pyrene	1.4010000	1.2762000	1.2762000	0.01	-8.91	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.8855800	0.8855800	0.01	-3.95		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.9770900	0.9770900	0.01	-5.87		AVRG
Benzo(g,h,i)perylene	1.3740000	1.3454000	1.3454000	0.01	-2.08		AVRG
1-Methylnaphthalene	0.9290000	0.7206900	0.7206900	0.01	-22.42		AVRG
2-Methylnaphthalene-d10	0.5460000	0.4022900	0.4022900	0.01	-26.32		AVRG
Fluorene-d10	0.6660000	0.6224600	0.6224600	0.01	-6.54		AVRG
Pyrene-d10	1.0440000	1.0080000	1.0080000	0.01	-3.45		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-X Calibration Date: 06/13/03 Time: 1129

Lab File ID: X3036 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.6328900	0.6328900	0.01	-41.29		AVRG
2-Methylnaphthalene	0.5750000	0.3858300	0.3858300	0.01	-32.90		AVRG
Acenaphthylene	1.2810000	0.9910400	0.9910400	0.01	-22.64		AVRG
Acenaphthene	0.7360000	0.7232700	0.7232700	0.01	-1.73	20.00	AVRG
Fluorene	0.7950000	0.6796300	0.6796300	0.01	-14.51		AVRG
Phenanthrene	1.0520000	0.8546900	0.8546900	0.01	-18.76		AVRG
Anthracene	1.1280000	0.8581100	0.8581100	0.01	-23.93		AVRG
Fluoranthene	0.9740000	0.8778100	0.8778100	0.01	-9.88	20.00	AVRG
Pyrene	1.4350000	1.1411000	1.1411000	0.01	-20.48		AVRG
Benzo(a)anthracene	1.1094000	1.2500000	0.7713300	0.01	-11.25		2RDR
Chrysene	1.3870000	1.3253000	1.3253000	0.01	-4.45		AVRG
Benzo(b)fluoranthene	1.5030000	1.1341000	1.1341000	0.01	-24.54		AVRG
Benzo(k)fluoranthene	2.0070000	1.9576000	1.9576000	0.01	-2.46		AVRG
Benzo(a)pyrene	1.4010000	1.2910000	1.2910000	0.01	-7.85	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.6988200	0.6988200	0.01	-24.21		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.8312400	0.8312400	0.01	-19.92		AVRG
Benzo(g,h,i)perylene	1.3740000	1.1797000	1.1797000	0.01	-14.14		AVRG
1-Methylnaphthalene	0.9290000	0.7205200	0.7205200	0.01	-22.44		AVRG
2-Methylnaphthalene-d10	0.5460000	0.4376200	0.4376200	0.01	-19.85		AVRG
Fluorene-d10	0.6660000	0.5267700	0.5267700	0.01	-20.90		AVRG
Pyrene-d10	1.0440000	0.9129200	0.9129200	0.01	-12.56		AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CSS PANAMA CITY CTO 287 SDG No.: CTO287-2

Instrument ID: GCMS-X Calibration Date: 06/14/03 Time: 1003

Lab File ID: X3053 Init. Calib. Date(s): 06/06/03 06/06/03

Init. Calib. Times: 1640 2016

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.2500 or AMOUNT	CCAL RRF1.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.0780000	0.7500600	0.7500600	0.01	-30.42		AVRG
2-Methylnaphthalene	0.5750000	0.4044700	0.4044700	0.01	-29.66		AVRG
Acenaphthylene	1.2810000	1.1063000	1.1063000	0.01	-13.64		AVRG
Acenaphthene	0.7360000	0.7471700	0.7471700	0.01	1.52	20.00	AVRG
Fluorene	0.7950000	0.8107900	0.8107900	0.01	1.99		AVRG
Phenanthrene	1.0520000	1.1301000	1.1301000	0.01	7.42		AVRG
Anthracene	1.1280000	1.0490000	1.0490000	0.01	-7.00		AVRG
Fluoranthene	0.9740000	1.1050000	1.1050000	0.01	13.45	20.00	AVRG
Pyrene	1.4350000	1.2857000	1.2857000	0.01	-10.40		AVRG
Benzo(a)anthracene	1.6754000	1.2500000	1.2545000	0.01	34.03		2RDR
Chrysene	1.3870000	1.5641000	1.5641000	0.01	12.77		AVRG
Benzo(b)fluoranthene	1.5030000	1.6690000	1.6690000	0.01	11.04		AVRG
Benzo(k)fluoranthene	2.0070000	2.5663000	2.5663000	0.01	27.87		AVRG
Benzo(a)pyrene	1.4010000	1.6176000	1.6176000	0.01	15.46	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9220000	0.8157300	0.8157300	0.01	-11.53		AVRG
Dibenzo(a,h)anthracene	1.0380000	0.8127900	0.8127900	0.01	-21.70		AVRG
Benzo(g,h,i)perylene	1.3740000	1.1141000	1.1141000	0.01	-18.92		AVRG
1-Methylnaphthalene	0.9290000	0.7206200	0.7206200	0.01	-22.43		AVRG
2-Methylnaphthalene-d10	0.5460000	0.4958100	0.4958100	0.01	-9.19		AVRG
Fluorene-d10	0.6660000	0.7296500	0.7296500	0.01	9.56		AVRG
Pyrene-d10	1.0440000	1.0935000	1.0935000	0.01	4.74		AVRG

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2353-1B
Client ID: WG2353-Blank
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		54%				
81103-79-9	Fluorene-d10		82%				
1718-52-1	Pyrene-d10		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/09/03
Report Date: 06/19/2003
Matrix: WATER
% Solids: NA

Lab ID: WG2354-1B
Client ID: WG2354-Blank
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		51%				
81103-79-9	Fluorene-d10		85%				
1718-52-1	Pyrene-d10		76%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/12/03
Report Date: 06/19/2003
Matrix: WATER

Lab ID: WG2353-4 & WG2353-5
Client ID: WG2353-LCS & WG2353-LCSD
SDG: CTO287-2
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2353
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Naphthalene	2.0	2.0	NA	0.74	0.60	37	30	22	30	30-150
2-Methylnaphthalene	2.0	2.0	NA	2.0	1.7	100	84	17	30	30-150
Acenaphthylene	2.0	2.0	NA	1.4	1.3	68	66	4	30	30-150
Acenaphthene	2.0	2.0	NA	1.4	1.2	69	60	14	30	30-150
Fluorene	2.0	2.0	NA	1.6	1.5	78	74	4	30	30-150
Phenanthrene	2.0	2.0	NA	0.88	0.87	44	44	1	30	30-150
Anthracene	2.0	2.0	NA	0.95	0.96	47	48	1	30	30-150
Fluoranthene	2.0	2.0	NA	1.2	1.3	60	63	6	30	30-150
Pyrene	2.0	2.0	NA	1.2	1.0	58	52	10	30	30-150
Benzo(a)anthracene	2.0	2.0	NA	1.2	1.4	62	72	16	30	30-150
Chrysene	2.0	2.0	NA	1.2	1.3	61	64	6	30	30-150
Benzo(b)fluoranthene	2.0	2.0	NA	1.1	1.1	54	54	0.9	30	30-150
Benzo(k)fluoranthene	2.0	2.0	NA	1.3	1.2	65	62	5	30	30-150
Benzo(a)pyrene	2.0	2.0	NA	1.1	1.2	57	60	4	30	30-150
Indeno(1,2,3-cd)pyrene	2.0	2.0	NA	1.2	1.2	58	58	0.9	30	30-150
Dibenzo(a,h)anthracene	2.0	2.0	NA	1.2	1.2	58	58	0.8	30	30-150
Benzo(g,h,i)perylene	2.0	2.0	NA	1.1	1.1	54	54	2	30	30-150

FORM III SV-1

X3025.D & X3026.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CSS PANAMA CITY CTO 287
PO No:
Sample Date:
Received Date:
Extraction Date: 05/21/03
Analysis Date: 06/10/03
Report Date: 06/26/2003
Matrix: WATER

Lab ID: WG2354-4 & WG2354-5
Client ID: WG2354-LCS & WG2354-LCSD
SDG: CTO287-2
Extracted by: RH
Extraction Method: SW846 3520
Analyst: JJC
Analysis Method: SW846 8270C
Lab Prep Batch: WG2354
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.		LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Naphthalene	2.0	2.0	NA	0.89	0.47	44	*	23	*	62	30	30-150
2-Methylnaphthalene	2.0	2.0	NA	1.7	1.5	85		75		12	30	30-150
Acenaphthylene	2.0	2.0	NA	2.3	0.96	114		48	*	81	30	30-150
Acenaphthene	2.0	2.0	NA	2.0	1.0	100		52	*	64	30	30-150
Fluorene	2.0	2.0	NA	2.5	1.4	125		71	*	55	30	30-150
Phenanthrene	2.0	2.0	NA	1.6	1.7	81		87		7	30	30-150
Anthracene	2.0	2.0	NA	1.5	1.3	75		67		11	30	30-150
Fluoranthene	2.0	2.0	NA	1.8	1.5	90		76		17	30	30-150
Pyrene	2.0	2.0	NA	1.5	1.7	73		86		16	30	30-150
Benzo(a)anthracene	2.0	2.0	NA	2.0	1.9	98		96		2	30	30-150
Chrysene	2.0	2.0	NA	1.6	1.5	82		76		8	30	30-150
Benzo(b)fluoranthene	2.0	2.0	NA	1.8	1.8	88		90		2	30	30-150
Benzo(k)fluoranthene	2.0	2.0	NA	1.8	1.7	92		86		6	30	30-150
Benzo(a)pyrene	2.0	2.0	NA	1.8	1.6	92		80		14	30	30-150
Indeno(1,2,3-cd)pyrene	2.0	2.0	NA	1.4	1.7	72		84		17	30	30-150
Dibenzo(a,h)anthracene	2.0	2.0	NA	1.3	1.7	65		83		24	30	30-150
Benzo(g,h,i)perylene	2.0	2.0	NA	1.4	1.6	68		78		14	30	30-150

FORM III SV-1

X3003.D & X2990.D

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0305323-05A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052703	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/27/03	

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: NA - Not Applicable

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/11Apr2003.b/38100411m5.m
Cal Date : 11-Apr-2003 15:33 atoyama
Curve Type : Average

Calibration File Names:
Level 1: /chem/gc7.i/11Apr2003.b/7041103.d
Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	___ RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742219	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620506	15.365

Data File: /chem/gc7.i/11Apr2003.b/7041109.d
Report Date: 25-Apr-2003 07:12

Air Toxics Ltd.

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id:
Level: LOW
Data Type: GC DATA
SpikeList File: 5lcs.spk
Sublist File: all.sub
Method File: /chem/gc7.i/11Apr2003.b/38100411m5.m
Misc Info:

Client SDG: 11Apr2003
Fraction: VOA
Client Smp ID: LCS
Operator: SRS
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/mL	CONC RECOVERED ug/mL	% RECOVERED	LIMITS
1 Methane	0.3780	0.4500	119.04	70-130
2 Ethylene	0.3310	0.4003	120.95	70-130
3 Ethane	0.3540	0.4183	118.16	70-130
4 Propene	0.002000	0.002222	111.08	70-130
5 Propane	0.002000	0.002352	117.60	70-130

Data File: /chem/gc7.i/27May2003.b/7052701.d
Report Date: 27-May-2003 10:21

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Analysis Type: AIR
Lab Sample ID:
Method: /chem/gc7.i/27May2003.b/38100411m5.m

Injection Date: 27-MAY-2003 09:42
Init. Cal. Times: 11:42 14:02
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	20668569	0.100	-6.92673	30.00000	Averaged
2 Ethylene	19981673	21820664	0.010	-9.20339	30.00000	Averaged
3 Ethane	19495021	20858705	0.010	-6.99503	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Analysis Type: AIR
Lab Sample ID:
Method: /chem/gc7.i/27May2003.b/38100411m5.m

Injection Date: 27-MAY-2003 19:09
Init. Cal. Times: 11:42 14:02
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	20700378	0.100	-7.09130	30.00000	Averaged
2 Ethylene	19981673	21693357	0.010	-8.56627	30.00000	Averaged
3 Ethane	19495021	20631385	0.010	-5.82900	30.00000	Averaged

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/11Apr2003.b/38100411m5.m
Cal Date : 11-Apr-2003 15:33 atoyama
Curve Type : Average

Calibration File Names:
Level 1: /chem/gc7.i/11Apr2003.b/7041103.d
Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	___ RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742219	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620506	15.365

Data File: /chem/gc7.i/11Apr2003.b/7041109.d
Report Date: 25-Apr-2003 07:12

Air Toxics Ltd.

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id:
Level: LOW
Data Type: GC DATA
SpikeList File: 51cs.spk
Sublist File: all.sub
Method File: /chem/gc7.i/11Apr2003.b/38100411m5.m
Misc Info:

Client SDG: 11Apr2003
Fraction: VOA
Client Smp ID: LCS
Operator: SRS
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/mL	CONC RECOVERED ug/mL	% RECOVERED	LIMITS
1 Methane	0.3780	0.4500	119.04	70-130
2 Ethylene	0.3310	0.4003	120.95	70-130
3 Ethane	0.3540	0.4183	118.16	70-130
4 Propene	0.002000	0.002222	111.08	70-130
5 Propane	0.002000	0.002352	117.60	70-130

Data File: /chem/gc7.i/29May2003.b/7052921.d
Report Date: 30-May-2003 11:08

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Analysis Type: AIR
Lab Sample ID:
Method: /chem/gc7.i/29May2003.b/38100411m5.m

Injection Date: 29-MAY-2003 15:37
Init. Cal. Times: 11:42 14:02
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	21367169	0.100	-10.54087	30.00000	Averaged
2 Ethylene	19981673	22467388	0.010	-12.43998	30.00000	Averaged
3 Ethane	19495021	21505521	0.010	-10.31289	30.00000	Averaged

Data File: /chem/gc7.i/29May2003.b/7052939.d
Report Date: 30-May-2003 11:46

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Analysis Type: AIR
Lab Sample ID:
Method: /chem/gc7.i/29May2003.b/38100411m5.m

Injection Date: 29-MAY-2003 23:02
Init. Cal. Times: 11:42 14:02
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	21702777	0.100	-12.27711	30.00000	Averaged
2 Ethylene	19981673	22733537	0.010	-13.77194	30.00000	Averaged
3 Ethane	19495021	21660560	0.010	-11.10816	30.00000	Averaged

Data File: /chem/gc7.i/29May2003.b/7052922.d
Report Date: 30-May-2003 11:08

Air Toxics Ltd.

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id:
Level: LOW
Data Type: GC DATA
SpikeList File: lcs.spk
Sublist File: CH4EthEth.sub
Method File: /chem/gc7.i/29May2003.b/38100411m5.m
Misc Info:

Client SDG: 29May2003
Fraction: VOA
Client Smp ID: LCS
Operator: SRS
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/mL	CONC RECOVERED ug/mL	% RECOVERED	LIMITS
1 Methane	0.7560	0.6250	82.67	70-130
2 Ethylene	0.6610	0.5721	86.55	70-130
3 Ethane	0.7090	0.6003	84.67	70-130

VOC Sample Calculation

Sample: 13GLM09S02 (WT1147-11)
Result: 73 µg/L Toluene
Calibration Date : 05/23/03

A_1 (Toluene) = 0.81872
DF = 1.0

R (Toluene response from sample) = 425395
ISTD response / amount = 356687 / 50 µg/L

$$R = Amt * A_1 * \left(\frac{ISTD\,\mathrm{Re}\,sponse}{ISTDAmount} \right)$$

425395 = Amt(µg/L) * 0.81872 * (356687/50)

Amt(µg/L) = (425395 / 5840.535613)

Concentration(Amt)= 72.8 µg/L = 73 µg/L

SVOC Sample Calculation

Sample: 13GLM09S02 (WT1147-11)
Result: 10 µg/L 4-Methylphenol
Calibration Date : 05/09/03

A_1 (4-Methylphenol) = 0.97384
DF = 1.0
Vt = 1000 µL (Volume of Final Extract)
Vo = 1050 mL (Volume of Sample Extraced)
Vi = 1 µL (Injection Volume)

R (4-Methylphenol response from sample) = 42725
ISTD response / amount = 166549 / 40 µg/L

$$R = Amt * A_1 * \left(\frac{ISTD\,\mathrm{Re}\,sponse}{ISTDAmount} \right)$$

$$Concentration = Amt * \left(\frac{Vt}{(Vo * Vi)} \right)$$

42725 = Amt(µg/L) * 0.97384 * (166549/40)

Amt(µg/L) = 42725 / 4054.801954 = 10.53688947 µg/L

Concentration = 10.53688947 * (1000/1050) = 10.04 µg/L = 10 µg/L

Dissolved Gases Sample Calculation

Sample: 13GLM09S02 (WT1147-11)
Result: 2.0 µg/L Methane
Calibration Date : 04/11/03

RRF (Methane) = 19329655
DF = 1.0

R (Methane response from sample) = 37714576

$$Amount = \left(\frac{Sample\ \mathrm{Re}\ sponse}{RRF} \right)$$

Amount = 37714576 / 19329655

Concentration(Amount) = 1.95 µg/L = 2.0 µg/L

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**AUGUST 1, 2003**
FROM:	**MICHAEL T. AKERS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – METALS**
CTO 287, CSS PANAMA CITY
SDG 2871

SAMPLES: 17 / Aqueous / Select Metals / MISC (chloride, cyanide, nitrate, nitrite, sulfate, TOC)

03GLM0402*	03RL051403*	09GLM01S02
09GLM02S02	09GLM03I02	09GLM03S02
09GLM04S02	09GLM06S02	09GLM08S02
09GLM08S02D	09GLM09S02	09RB051303
10GLM01R01	10GLM01R01D	10GLM0601
10GLM0701	10GLM0901	

OVERVIEW

The sample set for CTO 287; CSS Panama City, SDG 2871 consists of seventeen (17) aqueous environmental samples analyzed for Select Metals (arsenic, calcium, magnesium, manganese, potassium, and sodium) and miscellaneous parameters (chloride, nitrate, nitrite, sulfate, and total organic carbon). Samples denoted with an asterisk (*) were analyzed for Target Analyte List (TAL) Metals and cyanide. The samples denoted with an asterisk (*) were not analyzed for the aforementioned miscellaneous parameters nor was rinsate sample 09RB051303 analyzed for the miscellaneous parameters.

The samples were collected by TetraTech NUS on May 13th and 14th, 2003 and analyzed by Katahdin Analytical Services. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW-846 6010B, SW-846 9012, USEPA 325.2, 353.2, 375.4, EPA 415.1 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

*	•	Data completeness
*	•	Holding times
	•	Calibration Recoveries
	•	Blank results
*	•	Laboratory Control Sample Recoveries
*	•	ICP Serial Dilution Analyses
	•	Matrix Spike/Matrix Spike Duplicate Recoveries
*	•	Detection Limits
*	•	Sample Quantitation
*	•	ICP Interference

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

METALS

The following analytes were detected in the aqueous laboratory method and or preparation blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration(ug/L)	Action Level (ug/L)
Aluminum	285.43	1427.15
Antimony	2.98	14.9
Arsenic[1]	2.35	11.75
Barium[1]	0.49	2.45
Beryllium[1]	0.72	3.6
Calcium	170.59	852.95
Chromium[1]	0.75	3.75
Cobalt	0.44	2.2
Copper	5.36	26.8
Iron	624.39	3121.95
Lead[1]	1.84	9.2
Magnesium	86.06	430.3
Manganese[1]	0.160	0.80
Mercury	0.10	0.50
Nickel	2.55	12.75
Potassium	1131.57	5657.85
Sodium	133.86	669.30
Selenium[1]	2.87	14.35
Thallium[1]	0.192	0.96
Vanadium	0.48	2.4
Zinc[1]	2.12	10.6

[1] Maximum concentration found in laboratory preparation blank.

An action level of 5X the maximum detected concentration was established for evaluating blank contamination for all analytes. Sample aliquot and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. All positive results less than the calculated action level were qualified as non-detected (U) in the associated aqueous samples.

MISCELLANEOUS

The following analytes were detected in the aqueous laboratory method and/or preparation blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration(mg/L)	Action Level (mg/L)
Chloride	1.083	5.415
Cyanide	0.00498	0.0249
Nitrate	0.0052	0.026
Nitrite	0.0170	0.085
Nitrate+Nitrite	0.0052	0.026
Sulfate	1.0434	5.217
Total Organic Carbon (TOC)	0.6719	3.3595

An action level of 5X the maximum detected concentration was established for evaluating blank contamination for all analytes. All positive results less than the calculated action level were qualified as non-detected (U) in the associated aqueous samples.

Chloride exhibited high recovery above acceptance limits (>125%) in the analysis of the matrix spike sample 10GLM0601. The chloride result in the native sample has been qualified as estimated (J) due to the matrix spike results.

Additional Comments

Continuing calibration percent recovery (%R) for iron exceeded the upper quality control limit (>110%) in the CCV analyzed 5/21/03 at 0042. This CCV standard was not associated with any data reported; therefore no data qualifications have been made.

Arsenic, lead, and selenium exhibited high recoveries above acceptance limits (>120%) in the Contract Required Detection Limit Standards (CRDL) analyzed on 5/20/03 at 1226. This CRDL standard was not associated with any data reported; therefore no data qualifications have been made.

Arsenic, lead, nickel, and selenium exhibited high recoveries above acceptance limits (>120%) in CRDL analyzed on 5/20/03 at 1629. This CRDL standard was not associated with any data reported; therefore no data qualifications have been made.

Lead exhibited high recovery above acceptance limits (>120%) in CRDL analyzed on 5/21/03 at 2003. This CRDL standard was not associated with any data reported; therefore no data qualifications have been made.

Antimony, chromium, and lead exhibited high recoveries above acceptance limits (>120%) in CRDL analyzed on 5/21/03 at 2123. This CRDL standard was not associated with any data reported; therefore no data qualifications have been made.

Nickel exhibited high recovery above acceptance limits (>120%) in CRDL analyzed on 5/22/03 at 1459. This CRDL standard was not associated with any data reported; therefore no data qualifications have been made.

Calcium exhibited high recovery above acceptance limits (>150%) in PQL standard analyzed on 5/21/03 at 1147. No qualifications were made based on this non-compliance.

Potassium exhibited high recovery above acceptance limits (>150%) in PQL standard analyzed on 5/20/03 at 1202. No qualifications were made based on this non-compliance.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Multiple inorganic analytes were detected in the laboratory method and/or preparation blanks, resulting in the qualification of analytical data.

Other Factors Affecting Data Quality: Chloride matrix spike recovery exceeded recovery criteria resulting in the qualification of data.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), EPA Region IV (8/93) and the NFESC guidelines "Navy IRCDQM" (Sept 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

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

Tetra Tech NUS
Michael T. Akers
Chemist/Data Validator

Edward Sedlmayr

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: M

nsample	03GLM0402
samp_date	5/14/2003
lab_id	WT1127-014
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	349	U	A
ANTIMONY	1.4	U	A
ARSENIC	1.8	U	
BARIUM	257		
BERYLLIUM	0.23	U	
CADMIUM	0.28	U	
CALCIUM	153000		
CHROMIUM	1.3	U	A
COBALT	0.44	U	
COPPER	0.91	U	
IRON	223		
LEAD	0.91	U	A
MAGNESIUM	405000		
MANGANESE	326		
MERCURY	0.14	U	A
NICKEL	0.73	U	A
POTASSIUM	133000		
SELENIUM	2.1	U	
SILVER	0.57	U	
SODIUM	3330000		
THALLIUM	0.57	U	A
VANADIUM	0.72	U	A
ZINC	65.8		

nsample	03RL051403
samp_date	5/14/2003
lab_id	WT1127-012
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	37.3	U	A
ANTIMONY	1.3	U	
ARSENIC	1.8	U	
BARIUM	0.12	U	
BERYLLIUM	0.23	U	
CADMIUM	0.28	U	
CALCIUM	18.7	U	
CHROMIUM	0.57	U	
COBALT	0.44	U	
COPPER	0.91	U	
IRON	9.3	U	
LEAD	0.91	U	
MAGNESIUM	28.2	U	
MANGANESE	0.15	U	
MERCURY	0.12	U	A
NICKEL	1.6	U	A
POTASSIUM	513	U	
SELENIUM	2.1	U	
SILVER	0.57	U	
SODIUM	31.4	U	A
THALLIUM	0.31	U	A
VANADIUM	0.36	U	
ZINC	0.89	U	A

nsample	09GLM01S02
samp_date	5/13/2003
lab_id	WT1109-011
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	28200		
MAGNESIUM	1840		
MANGANESE	6.0		
POTASSIUM	1220	U	A
SODIUM	3660		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: M

nsample	09GLM02S02
samp_date	5/13/2003
lab_id	WT1109-009
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	42600		
MAGNESIUM	2220		
MANGANESE	0.95		
POTASSIUM	2520	U	A
SODIUM	4500		

nsample	09GLM03I02
samp_date	5/13/2003
lab_id	WT1109-004
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	30600		
MAGNESIUM	1590		
MANGANESE	1.5		
POTASSIUM	1880	U	A
SODIUM	3000		

nsample	09GLM03S02
samp_date	5/13/2003
lab_id	WT1109-003
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	1070		
MAGNESIUM	870		
MANGANESE	5.2		
POTASSIUM	516	U	A
SODIUM	5970		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: M

nsample	09GLM04S02
samp_date	5/13/2003
lab_id	WT1109-001
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	12.5		
CALCIUM	27200		
MAGNESIUM	2280		
MANGANESE	7.6		
POTASSIUM	2350	U	A
SODIUM	6440		

nsample	09GLM06S02
samp_date	5/13/2003
lab_id	WT1109-010
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	29000		
MAGNESIUM	1920		
MANGANESE	1.5		
POTASSIUM	2110	U	A
SODIUM	5600		

nsample	09GLM08S02
samp_date	5/13/2003
lab_id	WT1109-007
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	13600		
MAGNESIUM	2910		
MANGANESE	6.4		
POTASSIUM	6150		
SODIUM	5490		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: M

nsample	09GLM08S02D
samp_date	5/13/2003
lab_id	WT1109-008
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	09GLM08S02

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	13700		
MAGNESIUM	2930		
MANGANESE	3.5		
POTASSIUM	6120		
SODIUM	5660		

nsample	09GLM09S02
samp_date	5/13/2003
lab_id	WT1109-002
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	28100		
MAGNESIUM	1340		
MANGANESE	0.68	U	A
POTASSIUM	1930	U	A
SODIUM	9510		

nsample	09RB051303
samp_date	5/13/2003
lab_id	WT1109-005
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	18.7	U	
MAGNESIUM	28.2	U	
MANGANESE	0.15	U	
POTASSIUM	513	U	
SODIUM	44.0		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: M

nsample	10GLM01R01
samp_date	5/14/2003
lab_id	WT1127-001
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	94800		
MAGNESIUM	12100		
MANGANESE	85.6		
POTASSIUM	11200		
SODIUM	5460		

nsample	10GLM01R01D
samp_date	5/14/2003
lab_id	WT1127-003
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	10GLM01R01

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	89000		
MAGNESIUM	11400		
MANGANESE	86.0		
POTASSIUM	10300		
SODIUM	5110		

nsample	10GLM0601
samp_date	5/14/2003
lab_id	WT1127-010
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	10200		
MAGNESIUM	5450		
MANGANESE	11.9		
POTASSIUM	3450	U	A
SODIUM	10200		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: M

nsample	10GLM0701	nsample	10GLM0901
samp_date	5/14/2003	samp_date	5/14/2003
lab_id	WT1127-008	lab_id	WT1127-006
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	2.3	U	A
CALCIUM	8360		
MAGNESIUM	2410		
MANGANESE	12.4		
POTASSIUM	2040	U	A
SODIUM	15000		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.8	U	
CALCIUM	33400		
MAGNESIUM	4750		
MANGANESE	80.5		
POTASSIUM	3640	U	A
SODIUM	6900		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: MISC

nsample	03GLM0402
samp_date	5/14/2003
lab_id	WT1127-14
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	MG/L	10	U	

nsample	03RL051403
samp_date	5/14/2003
lab_id	WT1127-12
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	MG/L	10	U	

nsample	09GLM01S02
samp_date	5/13/2003
lab_id	WT1109-11
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	4	U	A
NITRATE	MG/L	1.3		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	7.6		
TOTAL ORGANIC CARBON	MG/L	10		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: MISC

nsample	09GLM02S02	nsample	09GLM03I02	nsample	09GLM03S02
samp_date	5/13/2003	samp_date	5/13/2003	samp_date	5/13/2003
lab_id	WT1109-9	lab_id	WT1109-4	lab_id	WT1109-3
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	7.8		
NITRATE	MG/L	1.3		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	30		
TOTAL ORGANIC CARBON	MG/L	9.1		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	4	U	A
NITRATE	MG/L	0.0238	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	2	U	A
TOTAL ORGANIC CARBON	MG/L	26	U	A

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	8.8		
NITRATE	MG/L	0.1		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	1	U	
TOTAL ORGANIC CARBON	MG/L	3.9		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: MISC

nsample	09GLM04S02
samp_date	5/13/2003
lab_id	WT1109-1
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.07		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	19		
TOTAL ORGANIC CARBON	MG/L	11		

nsample	09GLM06S02
samp_date	5/13/2003
lab_id	WT1109-10
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	12		
NITRATE	MG/L	0.24		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	44		
TOTAL ORGANIC CARBON	MG/L	5.7		

nsample	09GLM08S02
samp_date	5/13/2003
lab_id	WT1109-7
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.1		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	33		
TOTAL ORGANIC CARBON	MG/L	3.7		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: MISC

nsample	09GLM08S02D	nsample	09GLM09S02	nsample	10GLM01R01
samp_date	5/13/2003	samp_date	5/13/2003	samp_date	5/14/2003
lab_id	WT1109-8	lab_id	WT1109-2	lab_id	WT1127-1
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:	09GLM08S02	DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11		
NITRATE	MG/L	0.05	U	
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	32		
TOTAL ORGANIC CARBON	MG/L	3.3	U	A

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	13		
NITRATE	MG/L	0.07		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	2	U	A
TOTAL ORGANIC CARBON	MG/L	9.9		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	4	U	A
NITRATE	MG/L	0.0334	J	P
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	230		
TOTAL ORGANIC CARBON	MG/L	22		

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: MISC

nsample	10GLM01R01D	nsample	10GLM0601	nsample	10GLM0701
samp_date	5/14/2003	samp_date	5/14/2003	samp_date	5/14/2003
lab_id	WT1127-3	lab_id	WT1127-10	lab_id	WT1127-8
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	0	Pct_Solids	0	Pct_Solids	0
DUP_OF:	10GLM01R01	DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	4	U	A
NITRATE	MG/L	0.09		
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	220		
TOTAL ORGANIC CARBON	MG/L	22		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	11	J	D
NITRATE	MG/L	0.0224	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	22		
TOTAL ORGANIC CARBON	MG/L	14		

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	19		
NITRATE	MG/L	0.0129	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	18		
TOTAL ORGANIC CARBON	MG/L	2	U	A

PROJ_NO: 9061

SDG: 2871 MEDIA: WATER DATA FRACTION: MISC

nsample	10GLM0901
samp_date	5/14/2003
lab_id	WT1127-6
qc_type	NM
Pct_Solids	0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CHLORIDE	MG/L	8.3		
NITRATE	MG/L	0.01	U	A
NITRITE	MG/L	0.05	U	
SULFATE	MG/L	24		
TOTAL ORGANIC CARBON	MG/L	6.9		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: 09GLM04S02
Matrix: WATER
SDG Name: CTO287-1
Percent Solids: 0.00
Lab Sample ID: WT1109-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	12.5			P	1	8.0	1.80
7440-70-2	CALCIUM	27200			P	1	50	18.70
7439-95-4	MAGNESIUM	2280			P	1	50	28.20
7439-96-5	MANGANESE	7.6			P	1	5.0	0.15
7440-09-7	POTASSIUM	2350			P	1	1000	513.00
7440-23-5	SODIUM	6440			P	1	1000	18.80

Color Before: N/A
Clarity Before: N/A
Color After: N/A
Clarity After: N/A
Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: 09GLM09S02
Matrix: WATER
SDG Name: CTO287-1
Percent Solids: 0.00
Lab Sample ID: WT1109-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	28100			P	1	50	18.70
7439-95-4	MAGNESIUM	1340			P	1	50	28.20
7439-96-5	MANGANESE	0.68	B		P	1	5.0	0.15
7440-09-7	POTASSIUM	1930			P	1	1000	513.00
7440-23-5	SODIUM	9510			P	1	1000	18.80

Color Before: N/A
Clarity Before: N/A
Color After: N/A
Clarity After: N/A
Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 09GLM03S02

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1109-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	1070			P	1	50	18.70
7439-95-4	MAGNESIUM	870			P	1	50	28.20
7439-96-5	MANGANESE	5.2			P	1	5.0	0.15
7440-09-7	POTASSIUM	516	B		P	1	1000	513.00
7440-23-5	SODIUM	5970			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 09GLM03I02

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1109-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	30600			P	1	50	18.70
7439-95-4	MAGNESIUM	1590			P	1	50	28.20
7439-96-5	MANGANESE	1.5	B		P	1	5.0	0.15
7440-09-7	POTASSIUM	1880			P	1	1000	513.00
7440-23-5	SODIUM	3000			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: 09RB051303
Matrix: WATER
SDG Name: CTO287-1
Percent Solids: 0.00
Lab Sample ID: WT1109-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	18.70	U		P	1	50	18.70
7439-95-4	MAGNESIUM	28.20	U		P	1	50	28.20
7439-96-5	MANGANESE	0.15	U		P	1	5.0	0.15
7440-09-7	POTASSIUM	513.00	U		P	1	1000	513.00
7440-23-5	SODIUM	44.0	B		P	1	1000	18.80

Color Before: N/A
Clarity Before: N/A
Color After: N/A
Clarity After: N/A
Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 09GLM08S02

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1109-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	13600			P	1	50	18.70
7439-95-4	MAGNESIUM	2910			P	1	50	28.20
7439-96-5	MANGANESE	6.4			P	1	5.0	0.15
7440-09-7	POTASSIUM	6150			P	1	1000	513.00
7440-23-5	SODIUM	5490			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 09GLM08S02D

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1109-008

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	13700			P	1	50	18.70
7439-95-4	MAGNESIUM	2930			P	1	50	28.20
7439-96-5	MANGANESE	3.5	B		P	1	5.0	0.15
7440-09-7	POTASSIUM	6120			P	1	1000	513.00
7440-23-5	SODIUM	5660			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 09GLM02S02

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1109-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	42600			P	1	50	18.70
7439-95-4	MAGNESIUM	2220			P	1	50	28.20
7439-96-5	MANGANESE	0.95	B		P	1	5.0	0.15
7440-09-7	POTASSIUM	2520			P	1	1000	513.00
7440-23-5	SODIUM	4500			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: 09GLM06S02
Matrix: WATER
SDG Name: CTO287-1
Percent Solids: 0.00
Lab Sample ID: WT1109-010

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	29000			P	1	50	18.70
7439-95-4	MAGNESIUM	1920			P	1	50	28.20
7439-96-5	MANGANESE	1.5	B		P	1	5.0	0.15
7440-09-7	POTASSIUM	2110			P	1	1000	513.00
7440-23-5	SODIUM	5600			P	1	1000	18.80

Color Before: N/A
Clarity Before: N/A
Color After: N/A
Clarity After: N/A
Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 09GLM01S02

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1109-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	28200			P	1	50	18.70
7439-95-4	MAGNESIUM	1840			P	1	50	28.20
7439-96-5	MANGANESE	6.0			P	1	5.0	0.15
7440-09-7	POTASSIUM	1220			P	1	1000	513.00
7440-23-5	SODIUM	3660			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 10GLM01R01

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1127-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	94800			P	1	50	18.70
7439-95-4	MAGNESIUM	12100			P	1	50	28.20
7439-96-5	MANGANESE	85.6			P	1	5.0	0.15
7440-09-7	POTASSIUM	11200			P	1	1000	513.00
7440-23-5	SODIUM	5460			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 10GLM01R01D

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1127-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	89000			P	1	50	18.70
7439-95-4	MAGNESIUM	11400			P	1	50	28.20
7439-96-5	MANGANESE	86.0			P	1	5.0	0.15
7440-09-7	POTASSIUM	10300			P	1	1000	513.00
7440-23-5	SODIUM	5110			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 10GLM0901

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1127-006

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	33400			P	1	50	18.70
7439-95-4	MAGNESIUM	4750			P	1	50	28.20
7439-96-5	MANGANESE	80.5			P	1	5.0	0.15
7440-09-7	POTASSIUM	3640			P	1	1000	513.00
7440-23-5	SODIUM	6900			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 10GLM0701

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1127-008

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	2.3	B		P	1	8.0	1.80
7440-70-2	CALCIUM	8360			P	1	50	18.70
7439-95-4	MAGNESIUM	2410			P	1	50	28.20
7439-96-5	MANGANESE	12.4			P	1	5.0	0.15
7440-09-7	POTASSIUM	2040			P	1	1000	513.00
7440-23-5	SODIUM	15000			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 10GLM0601

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1127-010

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-70-2	CALCIUM	10200			P	1	50	18.70
7439-95-4	MAGNESIUM	5450			P	1	50	28.20
7439-96-5	MANGANESE	11.9			P	1	5.0	0.15
7440-09-7	POTASSIUM	3450			P	1	1000	513.00
7440-23-5	SODIUM	10200			P	1	1000	18.80

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 03RL051403

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1127-012

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM	37.3	B		P	1	300	8.17
7440-36-0	ANTIMONY	1.33	U		P	1	8.0	1.33
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-39-3	BARIUM	0.12	U		P	1	5.0	0.12
7440-41-7	BERYLLIUM	0.23	U		P	1	5.0	0.23
7440-43-9	CADMIUM	0.28	U		P	1	10	0.28
7440-70-2	CALCIUM	18.70	U		P	1	50	18.70
7440-47-3	CHROMIUM	0.57	U		P	1	15	0.57
7440-48-4	COBALT	0.44	U		P	1	30	0.44
7440-50-8	COPPER	0.91	U		P	1	25	0.91
7439-89-6	IRON	9.31	U		P	1	100	9.31
7439-92-1	LEAD	0.91	U		P	1	5.0	0.91
7439-95-4	MAGNESIUM	28.20	U		P	1	50	28.20
7439-96-5	MANGANESE	0.15	U		P	1	5.0	0.15
7439-97-6	MERCURY	0.12	B		CV	1	0.20	0.03
7440-02-0	NICKEL	1.6	B		P	1	40	0.65
7440-09-7	POTASSIUM	513.00	U		P	1	1000	513.00
7782-49-2	SELENIUM	2.10	U		P	1	10	2.10
7440-22-4	SILVER	0.57	U		P	1	15	0.57
7440-23-5	SODIUM	31.4	B		P	1	1000	18.80
7440-28-0	THALLIUM	0.31	B		MS	5	15	0.10
7440-62-2	VANADIUM	0.36	U		P	1	25	0.36
7440-66-6	ZINC	0.89	B		P	1	25	0.24

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** 03GLM0402

Matrix: WATER **SDG Name:** CTO287-1

Percent Solids: 0.00 **Lab Sample ID:** WT1127-014

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM	349			P	1	300	8.17
7440-36-0	ANTIMONY	1.4	B		P	1	8.0	1.33
7440-38-2	ARSENIC	1.80	U		P	1	8.0	1.80
7440-39-3	BARIUM	257			P	1	5.0	0.12
7440-41-7	BERYLLIUM	0.23	U		P	1	5.0	0.23
7440-43-9	CADMIUM	0.28	U		P	1	10	0.28
7440-70-2	CALCIUM	153000			P	5	250	93.50
7440-47-3	CHROMIUM	1.3	B		P	1	15	0.57
7440-48-4	COBALT	0.44	U		P	1	30	0.44
7440-50-8	COPPER	0.91	U		P	1	25	0.91
7439-89-6	IRON	223			P	1	100	9.31
7439-92-1	LEAD	0.91	B		P	1	5.0	0.91
7439-95-4	MAGNESIUM	405000			P	5	250	141.00
7439-96-5	MANGANESE	326			P	1	5.0	0.15
7439-97-6	MERCURY	0.14	B		CV	1	0.20	0.03
7440-02-0	NICKEL	0.73	B		P	1	40	0.65
7440-09-7	POTASSIUM	133000			P	5	5000	2565.00
7782-49-2	SELENIUM	2.10	U		P	1	10	2.10
7440-22-4	SILVER	0.57	U		P	1	15	0.57
7440-23-5	SODIUM	3330000			P	20	20000	376.00
7440-28-0	THALLIUM	0.57	B		MS	10	30	0.20
7440-62-2	VANADIUM	0.72	B		P	1	25	0.36
7440-66-6	ZINC	65.8			P	1	25	0.24

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1109-1
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
09GLM04S02	AQ	05/13/2003	05/14/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	05/22/03 11:45	KGT	N/A	N/A	N/A	
Nitrate As N	0.07 mg/L	0.050	EPA 353.2	05/14/03 14:47	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/14/03 14:47	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	19 mg/L	1.0	EPA 375.4	05/23/03 11:47	KGT	N/A	N/A	N/A	
Total Organic Carbon	11 mg/L	1.0	EPA 415.1	06/03/03 07:36	CYD	N/A	N/A	N/A	

Notes

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1109-2
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
09GLM09S02	AQ	05/13/2003	05/14/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	13 mg/L	2.0	EPA 325.2	05/22/03 11:45	KGT	N/A	N/A	N/A	
Nitrate As N	0.07 mg/L	0.050	EPA 353.2	05/14/03 14:45	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/14/03 14:45	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	2 mg/L	1.0	EPA 375.4	05/23/03 11:47	KGT	N/A	N/A	N/A	
Total Organic Carbon	9.9 mg/L	1.0	EPA 415.1	06/03/03 07:49	CYD	N/A	N/A	N/A	

Notes

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1109-3
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
09GLM03S02	AQ	05/13/2003	05/14/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	8.8 mg/L	2.0	EPA 325.2	05/22/03 11:45	KGT	N/A	N/A	N/A	
Nitrate As N	0.1 mg/L	0.050	EPA 353.2	05/14/03 14:43	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/14/03 14:43	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	U1.0 mg/L	1.0	EPA 375.4	05/23/03 11:47	KGT	N/A	N/A	N/A	
Total Organic Carbon	3.9 mg/L	1.0	EPA 415.1	06/03/03 08:01	CYD	N/A	N/A	N/A	

Notes

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Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1109-4
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
09GLM03I02	AQ	05/13/2003	05/14/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	05/22/03 11:45	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0238 mg/L	0.050	EPA 353.2	05/14/03 14:46	PAG	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/14/03 14:46	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	2 mg/L	1.0	EPA 375.4	05/23/03 11:47	KGT	N/A	N/A	N/A	
Total Organic Carbon	26 mg/L	1.0	EPA 415.1	06/03/03 08:12	CYD	N/A	N/A	N/A	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1109-7
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
09GLM08S02	AQ	05/13/2003	05/14/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	05/22/03 11:45	KGT	N/A	N/A	N/A	
Nitrate As N	0.1 mg/L	0.050	EPA 353.2	05/14/03 14:42	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/14/03 14:42	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	33 mg/L	1.0	EPA 375.4	05/23/03 11:47	KGT	N/A	N/A	N/A	
Total Organic Carbon	3.7 mg/L	1.0	EPA 415.1	06/03/03 08:23	CYD	N/A	N/A	N/A	

Notes

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Report of Analytical Results

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

Lab Sample Id: WT1109-8
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
09GLM08S02D	AQ	05/13/2003	05/14/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	05/22/03 11:45	KGT	N/A	N/A	N/A	
Nitrate As N	U0.050 mg/L	0.050	EPA 353.2	05/14/03 14:37	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/14/03 14:37	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	32 mg/L	1.0	EPA 375.4	05/23/03 11:47	KGT	N/A	N/A	N/A	
Total Organic Carbon	3.3 mg/L	1.0	EPA 415.1	06/03/03 09:21	CYD	N/A	N/A	N/A	

Notes

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
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Pittsburgh, PA 15220

Lab Sample Id: WT1109-9
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
09GLM02S02	AQ	05/13/2003	05/14/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	7.8 mg/L	2.0	EPA 325.2	05/22/03 11:45	KGT	N/A	N/A	N/A	
Nitrate As N	1.3 mg/L	0.050	EPA 353.2	05/14/03 14:44	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/14/03 14:44	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	30 mg/L	1.0	EPA 375.4	05/23/03 11:47	KGT	N/A	N/A	N/A	
Total Organic Carbon	9.1 mg/L	1.0	EPA 415.1	06/03/03 09:32	CYD	N/A	N/A	N/A	

Notes

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Report of Analytical Results

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

Lab Sample Id: WT1109-10
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
09GLM06S02	AQ	05/13/2003	05/14/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	12 mg/L	2.0	EPA 325.2	05/22/03 11:45	KGT	N/A	N/A	N/A	
Nitrate As N	0.24 mg/L	0.050	EPA 353.2	05/14/03 14:41	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/14/03 14:41	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	44 mg/L	5.0	EPA 375.4	05/23/03 11:47	KGT	N/A	N/A	N/A	
Total Organic Carbon	5.7 mg/L	1.0	EPA 415.1	06/03/03 09:44	CYD	N/A	N/A	N/A	

Notes

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Report of Analytical Results

Client: Amy Thomson
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Pittsburgh, PA 15220

Lab Sample Id: WT1109-11
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
09GLM01S02	AQ	05/13/2003	05/14/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	05/22/03 11:45	KGT	N/A	N/A	N/A	
Nitrate As N	1.3 mg/L	0.050	EPA 353.2	05/14/03 14:52	PAG	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/14/03 14:52	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	7.6 mg/L	1.0	EPA 375.4	05/23/03 11:47	KGT	N/A	N/A	N/A	
Total Organic Carbon	10 mg/L	1.0	EPA 415.1	06/03/03 09:55	CYD	N/A	N/A	N/A	

Notes

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Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1127-1
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
10GLM01R01	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	05/22/03 13:52	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0334 mg/L	0.050	EPA 353.2	05/16/03 08:15	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 08:15	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	230 mg/L	20	EPA 375.4	05/22/03 15:09	KGT	N/A	N/A	N/A	
Total Organic Carbon	22 mg/L	1.0	EPA 415.1	06/03/03 10:07	CYD	N/A	N/A	N/A	

Notes

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Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1127-3
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
10GLM01R01D	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	4 mg/L	2.0	EPA 325.2	05/22/03 13:52	KGT	N/A	N/A	N/A	
Nitrate As N	0.09 mg/L	0.050	EPA 353.2	05/16/03 08:14	KGT	N/A	N/A	N/A	
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 08:14	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	220 mg/L	20	EPA 375.4	05/22/03 15:09	KGT	N/A	N/A	N/A	
Total Organic Carbon	22 mg/L	1.0	EPA 415.1	06/03/03 10:19	CYD	N/A	N/A	N/A	

Notes

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Report of Analytical Results

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

Lab Sample Id: WT1127-6
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
10GLM0901	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	8.3 mg/L	2.0	EPA 325.2	05/22/03 13:52	KGT	N/A	N/A	N/A	
Nitrate As N	J0.01 mg/L	0.050	EPA 353.2	05/16/03 08:12	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 08:12	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	24 mg/L	1.0	EPA 375.4	05/23/03 13:54	KGT	N/A	N/A	N/A	
Total Organic Carbon	6.9 mg/L	1.0	EPA 415.1	06/03/03 10:30	CYD	N/A	N/A	N/A	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1127-8
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
10GLM0701	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	19 mg/L	2.0	EPA 325.2	05/22/03 13:52	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0129 mg/L	0.050	EPA 353.2	05/16/03 08:13	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 08:13	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	18 mg/L	1.0	EPA 375.4	05/23/03 13:54	KGT	N/A	N/A	N/A	
Total Organic Carbon	2 mg/L	1.0	EPA 415.1	06/03/03 10:41	CYD	N/A	N/A	N/A	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1127-10
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
10GLM0601	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Chloride	11 mg/L	2.0	EPA 325.2	05/22/03 13:52	KGT	N/A	N/A	N/A	
Nitrate As N	J0.0224 mg/L	0.050	EPA 353.2	05/16/03 08:19	KGT	N/A	N/A	N/A	1
Nitrite As N	U0.050 mg/L	0.050	EPA 353.2	05/16/03 08:19	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	22 mg/L	1.0	EPA 375.4	05/23/03 13:54	KGT	N/A	N/A	N/A	
Total Organic Carbon	14 mg/L	1.0	EPA 415.1	06/03/03 10:53	CYD	N/A	N/A	N/A	

Notes

(1) 'J' flag denotes an estimated value. The analyte was detected in the sample at a concentration greater than the measured detection limit but less than the laboratory's Practical Quantitation Level.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1127-12
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
03RL051403	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Cyanide	U10 mg/L	10	SW846 M9012A	05/23/03 13:20	KGT	SW846 M90	05/22/03	CYD	

Notes

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

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

Lab Sample Id: WT1127-14
Report Date: 6/12/03 10:53:36 AM
Client PO: MSA-0402-N4113-05 N9061-WR340(SS)
Project: CSS PANAMA CITY CTO 287
SDG: CTO287-1

Sample Description	Matrix	Date Sampled	Date Received
03GLM0402	AQ	05/14/2003	05/15/2003

Parameter	Result	Adj Pql	Method	Anal Date/Time	By	Prep Method	Prep Date	By	Notes
Cyanide	U10 mg/L	10	SW846 M9012A	05/23/03 13:20	KGT	SW846 M90	05/22/03	CYD	

Notes

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APPENDIX C

SUPPORT DOCUMENTATION

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICV

File: ATE20A May 20, 2003 12:05

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18710.57	93.6
ANTIMONY	600.0	591.94	98.7
ARSENIC	600.0	591.25	98.5
BARIUM	500.0	513.23	102.6
BERYLLIUM	500.0	469.49	93.9
CADMIUM	1250.0	1189.19	95.1
CALCIUM	20000.0	20356.14	101.8
CHROMIUM	500.0	494.72	98.9
COBALT	500.0	492.06	98.4
COPPER	500.0	478.76	95.8
IRON	20000.0	20312.58	101.6
LEAD	550.0	540.48	98.3
MAGNESIUM	20000.0	20555.75	102.8
MANGANESE	500.0	482.32	96.5
NICKEL	1000.0	1006.38	100.6
SELENIUM	550.0	531.29	96.6
SILVER	200.0	189.49	94.7
VANADIUM	500.0	480.92	96.2
ZINC	1000.0	973.57	97.4

SAMPLE: CCV

File: ATE20A May 20, 2003 12:48

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50157.23	100.3
ANTIMONY	1000.0	1037.62	103.8
ARSENIC	1000.0	1064.07	106.4
BARIUM	1000.0	1076.76	107.7
BERYLLIUM	1000.0	1028.15	102.8
CADMIUM	1000.0	1046.46	104.6
CALCIUM	50000.0	52650.89	105.3
CHROMIUM	1000.0	1032.30	103.2
COBALT	1000.0	1031.81	103.2
COPPER	1000.0	1035.92	103.6
IRON	20000.0	20876.50	104.4
LEAD	1000.0	1055.99	105.6
MAGNESIUM	50000.0	52396.59	104.8
MANGANESE	1000.0	1025.52	102.6
NICKEL	1000.0	1099.84	110.0
SELENIUM	1000.0	1033.39	103.3
SILVER	250.0	262.70	105.1
VANADIUM	1000.0	1012.41	101.2
ZINC	1000.0	1032.81	103.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: ATE20A May 20, 2003 14:08

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48729.39	97.5
ANTIMONY	1000.0	996.96	99.7
ARSENIC	1000.0	1006.38	100.6
BARIUM	1000.0	1013.21	101.3
BERYLLIUM	1000.0	995.12	99.5
CADMIUM	1000.0	1007.36	100.7
CALCIUM	50000.0	50413.58	100.8
CHROMIUM	1000.0	996.36	99.6
COBALT	1000.0	994.52	99.5
COPPER	1000.0	988.92	98.9
IRON	20000.0	20137.56	100.7
LEAD	1000.0	1005.52	100.6
MAGNESIUM	50000.0	50774.52	101.5
MANGANESE	1000.0	988.56	98.9
NICKEL	1000.0	1023.11	102.3
SELENIUM	1000.0	996.30	99.6
SILVER	250.0	251.49	100.6
VANADIUM	1000.0	985.84	98.6
ZINC	1000.0	998.93	99.9

SAMPLE: CCV

File: ATE20A May 20, 2003 15:29

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47939.41	95.9
ANTIMONY	1000.0	1007.88	100.8
ARSENIC	1000.0	1036.41	103.6
BARIUM	1000.0	1045.78	104.6
BERYLLIUM	1000.0	982.94	98.3
CADMIUM	1000.0	1006.32	100.6
CALCIUM	50000.0	51277.61	102.6
CHROMIUM	1000.0	992.66	99.3
COBALT	1000.0	992.01	99.2
COPPER	1000.0	994.93	99.5
IRON	20000.0	20177.03	100.9
LEAD	1000.0	1032.27	103.2
MAGNESIUM	50000.0	50566.98	101.1
MANGANESE	1000.0	982.04	98.2
NICKEL	1000.0	1073.39	107.3
SELENIUM	1000.0	1000.21	100.0
SILVER	250.0	253.40	101.4
VANADIUM	1000.0	962.29	96.2
ZINC	1000.0	989.08	98.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: ATE20A May 20, 2003 16:49

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48543.00	97.1
ANTIMONY	1000.0	1016.41	101.6
ARSENIC	1000.0	1044.18	104.4
BARIUM	1000.0	1056.45	105.6
BERYLLIUM	1000.0	997.05	99.7
CADMIUM	1000.0	1022.71	102.3
CALCIUM	50000.0	51715.78	103.4
CHROMIUM	1000.0	1002.66	100.3
COBALT	1000.0	998.63	99.9
COPPER	1000.0	1007.97	100.8
IRON	20000.0	20359.87	101.8
LEAD	1000.0	1039.14	103.9
MAGNESIUM	50000.0	50967.01	101.9
MANGANESE	1000.0	989.56	99.0
NICKEL	1000.0	1080.42	108.0
SELENIUM	1000.0	1014.27	101.4
SILVER	250.0	256.22	102.5
VANADIUM	1000.0	973.84	97.4
ZINC	1000.0	1004.23	100.4

SAMPLE: CCV

File: ATE20A May 20, 2003 17:09

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48503.00	97.0
ANTIMONY	1000.0	995.10	99.5
ARSENIC	1000.0	1004.45	100.4
BARIUM	1000.0	1004.36	100.4
BERYLLIUM	1000.0	1001.93	100.2
CADMIUM	1000.0	1016.48	101.6
CALCIUM	50000.0	50678.23	101.4
CHROMIUM	1000.0	1004.18	100.4
COBALT	1000.0	995.25	99.5
COPPER	1000.0	980.77	98.1
IRON	20000.0	20207.78	101.0
LEAD	1000.0	1005.83	100.6
MAGNESIUM	50000.0	50845.93	101.7
MANGANESE	1000.0	992.10	99.2
NICKEL	1000.0	1018.01	101.8
SELENIUM	1000.0	997.92	99.8
SILVER	250.0	250.26	100.1
VANADIUM	1000.0	988.15	98.8
ZINC	1000.0	998.27	99.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: ATE20A May 20, 2003 18:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48920.68	97.8
ANTIMONY	1000.0	1002.50	100.3
ARSENIC	1000.0	1021.34	102.1
BARIUM	1000.0	1022.14	102.2
BERYLLIUM	1000.0	1006.84	100.7
CADMIUM	1000.0	1028.55	102.9
CALCIUM	50000.0	51512.73	103.0
CHROMIUM	1000.0	1011.22	101.1
COBALT	1000.0	998.83	99.9
COPPER	1000.0	993.88	99.4
IRON	20000.0	20366.81	101.8
LEAD	1000.0	1016.69	101.7
MAGNESIUM	50000.0	51260.67	102.5
MANGANESE	1000.0	994.46	99.4
NICKEL	1000.0	1036.90	103.7
SELENIUM	1000.0	1004.61	100.5
SILVER	250.0	253.42	101.4
VANADIUM	1000.0	989.49	98.9
ZINC	1000.0	1008.26	100.8

SAMPLE: CCV

File: ATE20A May 20, 2003 19:51

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49141.26	98.3
ANTIMONY	1000.0	1017.08	101.7
ARSENIC	1000.0	1037.25	103.7
BARIUM	1000.0	1046.83	104.7
BERYLLIUM	1000.0	1004.89	100.5
CADMIUM	1000.0	1031.04	103.1
CALCIUM	50000.0	51961.05	103.9
CHROMIUM	1000.0	1012.51	101.3
COBALT	1000.0	999.32	99.9
COPPER	1000.0	1009.90	101.0
IRON	20000.0	20442.35	102.2
LEAD	1000.0	1031.55	103.2
MAGNESIUM	50000.0	51417.99	102.8
MANGANESE	1000.0	995.57	99.6
NICKEL	1000.0	1060.35	106.0
SELENIUM	1000.0	1018.22	101.8
SILVER	250.0	256.84	102.7
VANADIUM	1000.0	985.21	98.5
ZINC	1000.0	1014.04	101.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: ATE20A May 20, 2003 21:11

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48829.04	97.7
ANTIMONY	1000.0	1006.57	100.7
ARSENIC	1000.0	1021.28	102.1
BARIUM	1000.0	1023.98	102.4
BERYLLIUM	1000.0	998.58	99.9
CADMIUM	1000.0	1019.37	101.9
CALCIUM	50000.0	51134.03	102.3
CHROMIUM	1000.0	1006.17	100.6
COBALT	1000.0	987.16	98.7
COPPER	1000.0	1001.16	100.1
IRON	20000.0	20270.46	101.4
LEAD	1000.0	1011.91	101.2
MAGNESIUM	50000.0	50935.02	101.9
MANGANESE	1000.0	987.88	98.8
NICKEL	1000.0	1058.93	105.9
SELENIUM	1000.0	1001.29	100.1
SILVER	250.0	255.69	102.3
VANADIUM	1000.0	981.21	98.1
ZINC	1000.0	1007.44	100.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICV

File: ATE21A May 21, 2003 11:33

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18612.22	93.1
ANTIMONY	600.0	585.84	97.6
ARSENIC	600.0	582.91	97.2
BARIUM	500.0	495.52	99.1
BERYLLIUM	500.0	476.93	95.4
CALCIUM	20000.0	20473.96	102.4
CHROMIUM	500.0	500.07	100.0
COBALT	500.0	498.58	99.7
COPPER	500.0	469.86	94.0
IRON	20000.0	20526.00	102.6
LEAD	550.0	537.58	97.7
MAGNESIUM	20000.0	20738.06	103.7
MANGANESE	500.0	488.93	97.8
SILVER	200.0	187.26	93.6
VANADIUM	500.0	487.88	97.6
ZINC	1000.0	978.77	97.9

SAMPLE: CCV

File: ATE21A May 21, 2003 12:15

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48204.57	96.4
ANTIMONY	1000.0	957.07	95.7
ARSENIC	1000.0	927.09	92.7
BARIUM	1000.0	908.29	90.8
BERYLLIUM	1000.0	1020.97	102.1
CALCIUM	50000.0	48490.60	97.0
CHROMIUM	1000.0	1016.32	101.6
COBALT	1000.0	996.33	99.6
COPPER	1000.0	942.93	94.3
IRON	20000.0	19938.25	99.7
LEAD	1000.0	956.99	95.7
MAGNESIUM	50000.0	50498.40	101.0
MANGANESE	1000.0	1013.25	101.3
SILVER	250.0	240.40	96.2
VANADIUM	1000.0	1026.31	102.6
ZINC	1000.0	986.64	98.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: ATE21A May 21, 2003 13:42

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47751.87	95.5
ANTIMONY	1000.0	981.77	98.2
ARSENIC	1000.0	986.97	98.7
BARIUM	1000.0	965.44	96.5
BERYLLIUM	1000.0	1009.71	101.0
CALCIUM	50000.0	50083.87	100.2
CHROMIUM	1000.0	1008.02	100.8
COBALT	1000.0	999.95	100.0
COPPER	1000.0	963.51	96.4
IRON	20000.0	20023.36	100.1
LEAD	1000.0	996.04	99.6
MAGNESIUM	50000.0	50532.78	101.1
MANGANESE	1000.0	1003.10	100.3
SILVER	250.0	247.20	98.9
VANADIUM	1000.0	996.44	99.6
ZINC	1000.0	1004.07	100.4

SAMPLE: CCV

File: ATE21A May 21, 2003 15:02

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48226.00	96.5
ANTIMONY	1000.0	969.39	96.9
ARSENIC	1000.0	958.98	95.9
BARIUM	1000.0	947.25	94.7
BERYLLIUM	1000.0	1012.56	101.3
CALCIUM	50000.0	49461.85	98.9
CHROMIUM	1000.0	1012.18	101.2
COBALT	1000.0	994.01	99.4
COPPER	1000.0	959.43	95.9
IRON	20000.0	19993.70	100.0
LEAD	1000.0	974.22	97.4
MAGNESIUM	50000.0	50536.46	101.1
MANGANESE	1000.0	1008.94	100.9
SILVER	250.0	246.06	98.4
VANADIUM	1000.0	1012.35	101.2
ZINC	1000.0	996.13	99.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: ATE21A May 21, 2003 16:22

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47200.65	94.4
ANTIMONY	1000.0	1031.32	103.1
ARSENIC	1000.0	1058.81	105.9
BARIUM	1000.0	1035.77	103.6
BERYLLIUM	1000.0	987.33	98.7
CALCIUM	50000.0	51740.63	103.5
CHROMIUM	1000.0	997.00	99.7
COBALT	1000.0	1012.25	101.2
COPPER	1000.0	1001.12	100.1
IRON	20000.0	20094.89	100.5
LEAD	1000.0	1058.44	105.8
MAGNESIUM	50000.0	50393.69	100.8
MANGANESE	1000.0	987.25	98.7
SILVER	250.0	256.99	102.8
VANADIUM	1000.0	946.39	94.6
ZINC	1000.0	1026.21	102.6

SAMPLE: CCV

File: ATE21A May 21, 2003 17:42

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47466.37	94.9
ANTIMONY	1000.0	1012.42	101.2
ARSENIC	1000.0	1033.18	103.3
BARIUM	1000.0	1002.92	100.3
BERYLLIUM	1000.0	999.75	100.0
CALCIUM	50000.0	51387.70	102.8
CHROMIUM	1000.0	1006.19	100.6
COBALT	1000.0	1009.22	100.9
COPPER	1000.0	985.47	98.5
IRON	20000.0	20139.52	100.7
LEAD	1000.0	1030.83	103.1
MAGNESIUM	50000.0	50679.51	101.4
MANGANESE	1000.0	999.07	99.9
SILVER	250.0	252.98	101.2
VANADIUM	1000.0	969.26	96.9
ZINC	1000.0	1020.46	102.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: ATE21A May 21, 2003 19:03

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	46816.29	93.6
ANTIMONY	1000.0	1060.74	106.1
ARSENIC	1000.0	1099.09	109.9
BARIUM	1000.0	1073.78	107.4
BERYLLIUM	1000.0	966.33	96.6
CALCIUM	50000.0	52815.07	105.6
CHROMIUM	1000.0	994.69	99.5
COBALT	1000.0	1029.06	102.9
COPPER	1000.0	1019.83	102.0
IRON	20000.0	20060.79	100.3
LEAD	1000.0	1091.43	109.1
MAGNESIUM	50000.0	50562.48	101.1
MANGANESE	1000.0	987.40	98.7
SILVER	250.0	262.01	104.8
VANADIUM	1000.0	907.39	90.7
ZINC	1000.0	1030.40	103.0

SAMPLE: CCV

File: ATE21A May 21, 2003 20:23

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47004.18	94.0
ANTIMONY	1000.0	1048.22	104.8
ARSENIC	1000.0	1078.96	107.9
BARIUM	1000.0	1064.82	106.5
BERYLLIUM	1000.0	968.07	96.8
CALCIUM	50000.0	51991.21	104.0
CHROMIUM	1000.0	989.18	98.9
COBALT	1000.0	1013.10	101.3
COPPER	1000.0	1017.12	101.7
IRON	20000.0	19944.96	99.7
LEAD	1000.0	1071.78	107.2
MAGNESIUM	50000.0	50171.52	100.3
MANGANESE	1000.0	979.14	97.9
SILVER	250.0	262.77	105.1
VANADIUM	1000.0	918.74	91.9
ZINC	1000.0	1030.59	103.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: ATE21A May 21, 2003 21:44

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47365.27	94.7
ANTIMONY	1000.0	1074.53	107.5
ARSENIC	1000.0	1103.85	110.4
BARIUM	1000.0	1091.17	109.1
BERYLLIUM	1000.0	967.73	96.8
CALCIUM	50000.0	52730.99	105.5
CHROMIUM	1000.0	1004.07	100.4
COBALT	1000.0	1037.16	103.7
COPPER	1000.0	1037.27	103.7
IRON	20000.0	20224.30	101.1
LEAD	1000.0	1099.62	110.0
MAGNESIUM	50000.0	50868.83	101.7
MANGANESE	1000.0	997.48	99.7
SILVER	250.0	268.10	107.2
VANADIUM	1000.0	914.52	91.5
ZINC	1000.0	1034.92	103.5

ok

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICV

File: ATE22A May 22, 2003 10:35

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18976.27	94.9
BARIUM	500.0	466.65	93.3
CADMIUM	1250.0	1156.76	92.5
CALCIUM	20000.0	19576.38	97.9
IRON	20000.0	20023.41	100.1
MAGNESIUM	20000.0	20185.51	100.9
MANGANESE	500.0	478.58	95.7
NICKEL	1000.0	898.18	89.8
SELENIUM	550.0	518.20	94.2
SILVER	200.0	185.89	92.9
VANADIUM	500.0	481.85	96.4

SAMPLE: CCV

File: ATE22A May 22, 2003 11:15

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	45600.65	91.2
BARIUM	1000.0	955.47	95.5
CADMIUM	1000.0	971.03	97.1
CALCIUM	50000.0	47931.66	95.9
IRON	20000.0	19060.11	95.3
MAGNESIUM	50000.0	47904.80	95.8
MANGANESE	1000.0	942.83	94.3
NICKEL	1000.0	979.49	97.9
SELENIUM	1000.0	947.92	94.8
SILVER	250.0	244.71	97.9
VANADIUM	1000.0	936.40	93.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: ATE22A May 22, 2003 12:45

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48351.38	96.7
BARIUM	1000.0	1055.46	105.5
CADMIUM	1000.0	998.38	99.8
CALCIUM	50000.0	51433.67	102.9
IRON	20000.0	20283.92	101.4
MAGNESIUM	50000.0	50671.09	101.3
MANGANESE	1000.0	971.40	97.1
NICKEL	1000.0	1036.65	103.7
SELENIUM	1000.0	1048.75	104.9
SILVER	250.0	255.08	102.0
VANADIUM	1000.0	982.10	98.2

SAMPLE: CCV

File: ATE22A May 22, 2003 14:05

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47854.01	95.7
BARIUM	1000.0	1061.82	106.2
CADMIUM	1000.0	1002.52	100.3
CALCIUM	50000.0	51708.54	103.4
IRON	20000.0	20250.49	101.3
MAGNESIUM	50000.0	50576.08	101.2
MANGANESE	1000.0	965.74	96.6
NICKEL	1000.0	1047.14	104.7
SELENIUM	1000.0	1054.48	105.4
SILVER	250.0	259.92	104.0
VANADIUM	1000.0	968.34	96.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: ATE22A May 22, 2003 15:19

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	46288.74	92.6
BARIUM	1000.0	1087.98	108.8
CADMIUM	1000.0	994.73	99.5
CALCIUM	50000.0	51762.61	103.5
IRON	20000.0	20066.03	100.3
MAGNESIUM	50000.0	49654.80	99.3
MANGANESE	1000.0	935.46	93.5
NICKEL	1000.0	1094.84	109.5
SELENIUM	1000.0	1064.70	106.5
SILVER	250.0	260.97	104.4
VANADIUM	1000.0	919.48	91.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICV

File: BTE20A May 20, 2003 11:51

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19857.95	99.3
CALCIUM	20000.0	19729.20	98.6
IRON	20000.0	20687.79	103.4
MAGNESIUM	20000.0	19820.35	99.1
POTASSIUM	20000.0	19461.66	97.3
SODIUM	20000.0	20436.54	102.2

SAMPLE: CCV

File: BTE20A May 20, 2003 12:34

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50480.72	101.0
CALCIUM	50000.0	50279.25	100.6
IRON	20000.0	20478.73	102.4
MAGNESIUM	50000.0	50560.58	101.1
POTASSIUM	50000.0	49644.61	99.3
SODIUM	50000.0	50911.12	101.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE20A May 20, 2003 12:58

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50930.90	101.9
CALCIUM	50000.0	51374.01	102.7
IRON	20000.0	20814.24	104.1
MAGNESIUM	50000.0	51040.78	102.1
POTASSIUM	50000.0	50528.71	101.1
SODIUM	50000.0	51125.26	102.3

SAMPLE: CCV

File: BTE20A May 20, 2003 14:10

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50776.85	101.6
CALCIUM	50000.0	49612.39	99.2
IRON	20000.0	20439.69	102.2
MAGNESIUM	50000.0	50514.80	101.0
POTASSIUM	50000.0	50651.67	101.3
SODIUM	50000.0	52429.29	104.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE20A May 20, 2003 15:35

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51421.67	102.8
CALCIUM	50000.0	50167.09	100.3
IRON	20000.0	20652.73	103.3
MAGNESIUM	50000.0	51288.40	102.6
POTASSIUM	50000.0	51230.71	102.5
SODIUM	50000.0	53177.08	106.4

SAMPLE: CCV

File: BTE20A May 20, 2003 16:48

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	52285.47	104.6
CALCIUM	50000.0	48429.90	96.9
IRON	20000.0	20298.31	101.5
MAGNESIUM	50000.0	51700.43	103.4
POTASSIUM	50000.0	53008.94	106.0
SODIUM	50000.0	55109.86	110.2 ok

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE20A May 20, 2003 17:55

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50577.61	101.2
CALCIUM	50000.0	52590.17	105.2
IRON	20000.0	20943.30	104.7
MAGNESIUM	50000.0	50829.04	101.7
POTASSIUM	50000.0	49704.15	99.4
SODIUM	50000.0	49032.58	98.1

SAMPLE: CCV

File: BTE20A May 20, 2003 19:03

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51490.75	103.0
CALCIUM	50000.0	53835.68	107.7
IRON	20000.0	21549.94	107.7
MAGNESIUM	50000.0	51648.87	103.3
POTASSIUM	50000.0	50633.75	101.3
SODIUM	50000.0	50894.98	101.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE20A May 20, 2003 20:11

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51949.87	103.9
CALCIUM	50000.0	53798.30	107.6
IRON	20000.0	21514.10	107.6
MAGNESIUM	50000.0	52035.89	104.1
POTASSIUM	50000.0	50833.37	101.7
SODIUM	50000.0	50220.12	100.4

SAMPLE: CCV

File: BTE20A May 20, 2003 21:18

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51584.87	103.2
CALCIUM	50000.0	53752.01	107.5
IRON	20000.0	21511.03	107.6
MAGNESIUM	50000.0	51950.34	103.9
POTASSIUM	50000.0	50538.11	101.1
SODIUM	50000.0	50353.59	100.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE20A May 20, 2003 22:26

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51795.49	103.6
CALCIUM	50000.0	52763.06	105.5
IRON	20000.0	21442.05	107.2
MAGNESIUM	50000.0	51766.42	103.5
POTASSIUM	50000.0	50879.79	101.8
SODIUM	50000.0	51671.33	103.3

SAMPLE: CCV

File: BTE20A May 20, 2003 23:34

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	52930.32	105.9
CALCIUM	50000.0	54408.92	108.8
IRON	20000.0	21865.81	109.3
MAGNESIUM	50000.0	53057.49	106.1
POTASSIUM	50000.0	51638.67	103.3
SODIUM	50000.0	51387.06	102.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE20A May 21, 2003 0:42

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53265.71	106.5
CALCIUM	50000.0	54681.37	109.4
IRON	20000.0	22128.38	110.6*
MAGNESIUM	50000.0	53532.66	107.1
POTASSIUM	50000.0	52639.09	105.3
SODIUM	50000.0	53369.14	106.7

SAMPLE: CCV

File: BTE20A May 21, 2003 1:49

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53344.31	106.7
CALCIUM	50000.0	54499.83	109.0
IRON	20000.0	21983.49	109.9
MAGNESIUM	50000.0	53540.71	107.1
POTASSIUM	50000.0	52337.30	104.7
SODIUM	50000.0	52982.25	106.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE20A May 21, 2003 2:57

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	52195.56	104.4
CALCIUM	50000.0	53153.93	106.3
IRON	20000.0	21904.03	109.5
MAGNESIUM	50000.0	52087.68	104.2
POTASSIUM	50000.0	50941.60	101.9
SODIUM	50000.0	50987.38	102.0

SAMPLE: CCV

File: BTE20A May 21, 2003 3:37

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	52537.26	105.1
CALCIUM	50000.0	53677.54	107.4
IRON	20000.0	21803.50	109.0
MAGNESIUM	50000.0	52682.99	105.4
POTASSIUM	50000.0	51888.74	103.8
SODIUM	50000.0	52651.50	105.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICV

File: BTE22C May 22, 2003 17:15

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20377.38	101.9
CALCIUM	20000.0	20415.01	102.1
IRON	20000.0	20841.11	104.2
MAGNESIUM	20000.0	19769.79	98.8
POTASSIUM	20000.0	18442.65	92.2
SODIUM	20000.0	19034.08	95.2

SAMPLE: CCV

File: BTE22C May 22, 2003 17:50

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50432.84	100.9
CALCIUM	50000.0	52210.94	104.4
IRON	20000.0	20710.57	103.6
MAGNESIUM	50000.0	50857.23	101.7
POTASSIUM	50000.0	48624.17	97.2
SODIUM	50000.0	47293.67	94.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE22C May 22, 2003 18:58

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50694.42	101.4
CALCIUM	50000.0	51885.02	103.8
IRON	20000.0	20683.37	103.4
MAGNESIUM	50000.0	50902.51	101.8
POTASSIUM	50000.0	48364.69	96.7
SODIUM	50000.0	47921.78	95.8

SAMPLE: CCV

File: BTE22C May 22, 2003 20:05

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50660.65	101.3
CALCIUM	50000.0	51311.77	102.6
IRON	20000.0	20550.67	102.8
MAGNESIUM	50000.0	50773.95	101.5
POTASSIUM	50000.0	48724.22	97.4
SODIUM	50000.0	47560.22	95.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE22C May 22, 2003 21:13

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50914.32	101.8
CALCIUM	50000.0	50337.22	100.7
IRON	20000.0	20442.04	102.2
MAGNESIUM	50000.0	50770.55	101.5
POTASSIUM	50000.0	49277.93	98.6
SODIUM	50000.0	48022.96	96.0

SAMPLE: CCV

File: BTE22C May 22, 2003 22:21

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50983.30	102.0
CALCIUM	50000.0	50302.95	100.6
IRON	20000.0	20336.46	101.7
MAGNESIUM	50000.0	50810.58	101.6
POTASSIUM	50000.0	49330.07	98.7
SODIUM	50000.0	47861.34	95.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE22C May 22, 2003 23:28

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51206.58	102.4
CALCIUM	50000.0	50168.52	100.3
IRON	20000.0	20345.68	101.7
MAGNESIUM	50000.0	50871.01	101.7
POTASSIUM	50000.0	49028.53	98.1
SODIUM	50000.0	47852.14	95.7

SAMPLE: CCV

File: BTE22C May 23, 2003 0:36

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51498.20	103.0
CALCIUM	50000.0	50319.32	100.6
IRON	20000.0	20503.73	102.5
MAGNESIUM	50000.0	51238.56	102.5
POTASSIUM	50000.0	49686.88	99.4
SODIUM	50000.0	48529.83	97.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICV

File: BTE23A May 23, 2003 12:49

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20593.36	103.0
CALCIUM	20000.0	20272.00	101.4
IRON	20000.0	21055.98	105.3
MAGNESIUM	20000.0	19930.91	99.7
SODIUM	20000.0	20584.37	102.9

SAMPLE: CCV

File: BTE23A May 23, 2003 13:23

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50281.61	100.6
CALCIUM	50000.0	51185.92	102.4
IRON	20000.0	20724.68	103.6
MAGNESIUM	50000.0	50446.94	100.9
SODIUM	50000.0	50227.52	100.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE23A May 23, 2003 14:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51144.38	102.3
CALCIUM	50000.0	49553.64	99.1
IRON	20000.0	20573.95	102.9
MAGNESIUM	50000.0	50695.23	101.4
SODIUM	50000.0	51730.91	103.5

SAMPLE: CCV

File: BTE23A May 23, 2003 15:38

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50051.93	100.1
CALCIUM	50000.0	50275.88	100.6
IRON	20000.0	20397.74	102.0
MAGNESIUM	50000.0	49947.55	99.9
SODIUM	50000.0	48781.56	97.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: BTE23A May 23, 2003 16:46

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50103.65	100.2
CALCIUM	50000.0	51168.34	102.3
IRON	20000.0	20754.33	103.8
MAGNESIUM	50000.0	49981.78	100.0
SODIUM	50000.0	50841.58	101.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICV

File: DTE23A May 23, 2003 8:42

Analyte	True	Found	%R (1)
MERCURY	6.0	5.71	95.2

SAMPLE: CCV

File: DTE23A May 23, 2003 9:20

Analyte	True	Found	%R (1)
MERCURY	5.0	5.35	107.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: DTE23A May 23, 2003 9:56

Analyte	True	Found	%R (1)
MERCURY	5.0	5.28	105.6

SAMPLE: CCV

File: DTE23A May 23, 2003 10:33

Analyte	True	Found	%R (1)
MERCURY	5.0	5.19	103.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: DTE23A May 23, 2003 11:10

Analyte	True	Found	%R (1)
MERCURY	5.0	5.22	104.4

SAMPLE: CCV

File: DTE23A May 23, 2003 11:37

Analyte	True	Found	%R (1)
MERCURY	5.0	5.19	103.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICV

File: FTF09B Jun 09, 2003 15:31

Analyte	True	Found	%R (1)
ALUMINUM	400.0	406.10	101.5
CALCIUM	4000.0	4170.00	104.3
IRON	4000.0	4227.00	105.7
MAGNESIUM	4000.0	4138.00	103.5
MOLYBDENUM	40.0	40.64	101.6
POTASSIUM	4000.0	4201.00	105.0
SODIUM	4000.0	4101.00	102.5
THALLIUM	20.0	19.75	98.8

SAMPLE: CCV

File: FTF09B Jun 09, 2003 16:40

Analyte	True	Found	%R (1)
ALUMINUM	500.0	496.00	99.2
CALCIUM	5000.0	4964.00	99.3
IRON	5000.0	4822.00	96.4
MAGNESIUM	5000.0	5015.00	100.3
MOLYBDENUM	25.0	24.68	98.7
POTASSIUM	5000.0	4974.00	99.5
SODIUM	5000.0	4997.00	99.9
THALLIUM	25.0	24.54	98.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: FTF09B Jun 09, 2003 18:13

Analyte	True	Found	%R (1)
ALUMINUM	500.0	502.00	100.4
CALCIUM	5000.0	5156.00	103.1
IRON	5000.0	5082.00	101.6
MAGNESIUM	5000.0	5067.00	101.3
MOLYBDENUM	25.0	25.88	103.5
POTASSIUM	5000.0	5083.00	101.7
SODIUM	5000.0	5101.00	102.0
THALLIUM	25.0	25.19	100.8

SAMPLE: CCV

File: FTF09B Jun 09, 2003 19:47

Analyte	True	Found	%R (1)
ALUMINUM	500.0	527.40	105.5
CALCIUM	5000.0	5189.00	103.8
IRON	5000.0	5086.00	101.7
MAGNESIUM	5000.0	5153.00	103.1
MOLYBDENUM	25.0	25.12	100.5
POTASSIUM	5000.0	5199.00	104.0
SODIUM	5000.0	5104.00	102.1
THALLIUM	25.0	25.40	101.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: FTF09B Jun 09, 2003 21:20

Analyte	True	Found	%R (1)
ALUMINUM	500.0	512.10	102.4
CALCIUM	5000.0	5126.00	102.5
IRON	5000.0	5053.00	101.1
MAGNESIUM	5000.0	5148.00	103.0
MOLYBDENUM	25.0	25.44	101.8
POTASSIUM	5000.0	5049.00	101.0
SODIUM	5000.0	5042.00	100.8
THALLIUM	25.0	24.85	99.4

SAMPLE: CCV

File: FTF09B Jun 09, 2003 22:45

Analyte	True	Found	%R (1)
ALUMINUM	500.0	498.90	99.8
CALCIUM	5000.0	5026.00	100.5
IRON	5000.0	5030.00	100.6
MAGNESIUM	5000.0	4940.00	98.8
MOLYBDENUM	25.0	25.32	101.3
POTASSIUM	5000.0	5000.00	100.0
SODIUM	5000.0	4867.00	97.3
THALLIUM	25.0	24.64	98.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCV

File: FTF09B Jun 09, 2003 23:32

Analyte	True	Found	%R (1)
ALUMINUM	500.0	516.30	103.3
CALCIUM	5000.0	5060.00	101.2
IRON	5000.0	4874.00	97.5
MAGNESIUM	5000.0	5091.00	101.8
MOLYBDENUM	25.0	25.08	100.3
POTASSIUM	5000.0	5092.00	101.8
SODIUM	5000.0	5094.00	101.9
THALLIUM	25.0	24.60	98.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CRI

File: ATE20A May 20, 2003 12:26

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	135.18	112.7
ARSENIC	20.0	24.32	121.6
BERYLLIUM	10.0	9.74	97.4
CADMIUM	10.0	11.06	110.6
CHROMIUM	20.0	22.56	112.8
COBALT	100.0	109.60	109.6
COPPER	50.0	51.37	102.7
LEAD	6.0	7.70	128.3
MANGANESE	30.0	32.21	107.4
NICKEL	80.0	92.21	115.3
SELENIUM	10.0	13.29	132.9
SILVER	20.0	20.39	102.0
VANADIUM	100.0	106.21	106.2
ZINC	40.0	44.07	110.2

SAMPLE: CRI

File: ATE20A May 20, 2003 16:29

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	137.63	114.7
ARSENIC	20.0	24.16	120.8
BERYLLIUM	10.0	9.74	97.4
CADMIUM	10.0	11.39	113.9
CHROMIUM	20.0	22.74	113.7
COBALT	100.0	111.06	111.1
COPPER	50.0	51.08	102.2
LEAD	6.0	8.14	135.7
MANGANESE	30.0	32.52	108.4
NICKEL	80.0	96.10	120.1
SELENIUM	10.0	13.52	135.2
SILVER	20.0	20.76	103.8
VANADIUM	100.0	106.60	106.6
ZINC	40.0	44.81	112.0

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CRI

File: ATE20A May 20, 2003 20:51

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	134.27	111.9
ARSENIC	20.0	23.61	118.0
BERYLLIUM	10.0	10.05	100.5
CADMIUM	10.0	11.46	114.6
CHROMIUM	20.0	22.36	111.8
COBALT	100.0	109.49	109.5
COPPER	50.0	51.38	102.8
LEAD	6.0	7.01	116.8
MANGANESE	30.0	32.18	107.3
NICKEL	80.0	91.86	114.8
SELENIUM	10.0	11.87	118.7
SILVER	20.0	20.35	101.8
VANADIUM	100.0	106.21	106.2
ZINC	40.0	44.50	111.3

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CRI

File: ATE21A May 21, 2003 11:54

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	132.13	110.1
ARSENIC	20.0	23.24	116.2
BERYLLIUM	10.0	10.84	108.4
CHROMIUM	20.0	23.39	117.0
COBALT	100.0	113.43	113.4
COPPER	50.0	54.06	108.1
LEAD	6.0	5.48	91.3
MANGANESE	30.0	33.69	112.3
SILVER	20.0	20.18	100.9
VANADIUM	100.0	112.19	112.2
ZINC	40.0	44.46	111.1

SAMPLE: CRI

File: ATE21A May 21, 2003 16:02

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	127.42	106.2
ARSENIC	20.0	22.38	111.9
BERYLLIUM	10.0	11.70	117.0
CHROMIUM	20.0	23.89	119.5
COBALT	100.0	113.23	113.2
COPPER	50.0	55.57	111.1
LEAD	6.0	5.31	88.5
MANGANESE	30.0	34.35	114.5
SILVER	20.0	20.78	103.9
VANADIUM	100.0	114.83	114.8
ZINC	40.0	43.78	109.5

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CRI

File: ATE21A May 21, 2003 20:03

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	142.32	118.6
ARSENIC	20.0	23.45	117.2
BERYLLIUM	10.0	10.41	104.1
CHROMIUM	20.0	23.05	115.3
COBALT	100.0	116.29	116.3
COPPER	50.0	51.49	103.0
LEAD	6.0	7.41	123.5
MANGANESE	30.0	33.37	111.2
SILVER	20.0	21.61	108.1
VANADIUM	100.0	102.14	102.1
ZINC	40.0	47.03	117.6

SAMPLE: CRI

File: ATE21A May 21, 2003 21:23

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	147.96	123.3
ARSENIC	20.0	23.92	119.6
BERYLLIUM	10.0	10.35	103.5
CHROMIUM	20.0	24.15	120.8
COBALT	100.0	120.20	120.2
COPPER	50.0	52.42	104.8
LEAD	6.0	8.52	142.0
MANGANESE	30.0	34.19	114.0
SILVER	20.0	21.97	109.9
VANADIUM	100.0	102.60	102.6
ZINC	40.0	47.93	119.8

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CRI

File: ATE22A May 22, 2003 10:55

Analyte	TRUE	FOUND	% R
CADMIUM	10.0	11.29	112.9
MANGANESE	30.0	32.35	107.8
NICKEL	80.0	89.89	112.4
SELENIUM	10.0	10.13	101.3
SILVER	20.0	20.41	102.1
VANADIUM	100.0	106.87	106.9

SAMPLE: CRI

File: ATE22A May 22, 2003 14:59

Analyte	TRUE	FOUND	% R
CADMIUM	10.0	11.46	114.6
MANGANESE	30.0	32.23	107.4
NICKEL	80.0	97.01	121.3
SELENIUM	10.0	8.70	87.0
SILVER	20.0	20.94	104.7
VANADIUM	100.0	103.10	103.1

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CRI

File: FTF09B Jun 09, 2003 16:09

Analyte	TRUE	FOUND	% R
THALLIUM	20.0	23.11	115.6

SAMPLE: CRI

File: FTF09B Jun 09, 2003 23:01

Analyte	TRUE	FOUND	% R
THALLIUM	20.0	22.92	114.6

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

SAMPLE: PQL

File: ATE20A May 20, 2003 12:19 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	335.71	111.9
ANTIMONY	8.0	8.03	100.4
ARSENIC	8.0	8.19	102.4
BARIUM	5.0	4.93	98.6
BERYLLIUM	5.0	4.35	87.0
CADMIUM	10.0	9.65	96.5
CALCIUM	50.0	28.44	56.9
CHROMIUM	15.0	15.80	105.3
COBALT	30.0	33.25	110.8
COPPER	25.0	22.70	90.8
IRON	100.0	97.17	97.2
LEAD	5.0	6.19	123.8
MAGNESIUM	50.0	67.76	135.5
MANGANESE	5.0	4.93	98.6
NICKEL	40.0	41.87	104.7
SELENIUM	10.0	11.92	119.2
SILVER	15.0	14.67	97.8
VANADIUM	25.0	26.83	107.3
ZINC	25.0	30.34	121.4

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

SAMPLE: PQL

File: ATE21A May 21, 2003 11:47 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	185.09	61.7
ANTIMONY	8.0	7.14	89.3
ARSENIC	8.0	5.89	73.6
BARIUM	5.0	4.59	91.8
BERYLLIUM	5.0	5.23	104.6
CALCIUM	50.0	87.50	175.0
CHROMIUM	15.0	16.10	107.3
COBALT	30.0	34.15	113.8
COPPER	25.0	25.37	101.5
IRON	100.0	102.09	102.1
LEAD	5.0	3.85	77.0
MAGNESIUM	50.0	71.86	143.7
MANGANESE	5.0	5.17	103.4
SILVER	15.0	14.21	94.7
VANADIUM	25.0	27.83	111.3
ZINC	25.0	26.98	107.9

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

SAMPLE: PQL

File: ATE22A May 22, 2003 10:49 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	224.33	74.8
BARIUM	5.0	4.54	90.8
CADMIUM	10.0	9.74	97.4
CALCIUM	50.0	70.91	141.8
IRON	100.0	98.85	98.8
MAGNESIUM	50.0	64.69	129.4
MANGANESE	5.0	4.78	95.6
NICKEL	40.0	39.69	99.2
SELENIUM	10.0	6.54	65.4
SILVER	15.0	14.11	94.1
VANADIUM	25.0	26.40	105.6

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

SAMPLE: PQL

File: BTE20A May 20, 2003 12:02 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	321.48	107.2
CALCIUM	50.0	60.38	120.8
IRON	100.0	110.67	110.7
MAGNESIUM	50.0	72.77	145.5
POTASSIUM	1000.0	2015.43	201.5 • —
SODIUM	1000.0	1068.43	106.8

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

SAMPLE: PQL

File: BTE20A May 20, 2003 12:52 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	305.48	101.8
CALCIUM	50.0	57.32	114.6
IRON	100.0	103.83	103.8
MAGNESIUM	50.0	40.88	81.8
POTASSIUM	1000.0	1049.16	104.9
SODIUM	1000.0	1076.46	107.6

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

SAMPLE: PQL

File: BTE22C May 22, 2003 17:28 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	297.78	99.3
CALCIUM	50.0	47.50	95.0
IRON	100.0	105.20	105.2
MAGNESIUM	50.0	33.29	66.6
POTASSIUM	1000.0	673.91	67.4
SODIUM	1000.0	997.43	99.7

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

SAMPLE: PQL

File: BTE23A May 23, 2003 13:00 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	294.05	98.0
CALCIUM	50.0	49.20	98.4
IRON	100.0	107.80	107.8
MAGNESIUM	50.0	37.41	74.8
SODIUM	1000.0	991.30	99.1

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

SAMPLE: PQL

File: FTF09B Jun 09, 2003 15:46 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	60.0	58.53	97.5
CALCIUM	20.0	20.05	100.3
IRON	20.0	21.87	109.4
MAGNESIUM	20.0	20.66	103.3
MOLYBDENUM	1.0	1.02	102.0
POTASSIUM	200.0	210.40	105.2
SODIUM	200.0	213.90	107.0
THALLIUM	0.4	0.43	107.5

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICB

File: ATE20A May 20, 2003 12:12

Analyte	Result	C
ALUMINUM	-39.41	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	0.23	U
CADMIUM	0.28	U
CALCIUM	15.63	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	1.23	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	5.19	B
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.24	U

SAMPLE: CCB

File: ATE20A May 20, 2003 12:55

Analyte	Result	C
ALUMINUM	67.39	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	-0.40	B
CADMIUM	0.28	U
CALCIUM	-26.22	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	-1.11	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.24	U

SAMPLE: CCB

File: ATE20A May 20, 2003 14:15

Analyte	Result	C
ALUMINUM	110.56	B
ANTIMONY	1.37	B
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	-0.59	B
CADMIUM	0.28	U
CALCIUM	-38.00	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	-2.14	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	6.43	B
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.32	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: ATE20A May 20, 2003 15:36

Analyte	Result	C
ALUMINUM	131.50	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	-0.58	B
CADMIUM	0.28	U
CALCIUM	-43.29	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	-2.51	B
IRON	9.31	U
LEAD	1.37	B
MAGNESIUM	4.08	U
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.32	B

SAMPLE: CCB

File: ATE20A May 20, 2003 16:56

Analyte	Result	C
ALUMINUM	90.12	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	-0.33	B
CADMIUM	0.28	U
CALCIUM	-30.95	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	-2.01	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.36	B

SAMPLE: CCB

File: ATE20A May 20, 2003 17:16

Analyte	Result	C
ALUMINUM	13.48	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	B
BERYLLIUM	0.23	U
CADMIUM	0.28	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	0.91	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	7.51	B
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.28	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: ATE20A May 20, 2003 18:37

Analyte	Result	C
ALUMINUM	96.43	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	-0.34	B
CADMIUM	0.28	U
CALCIUM	-27.40	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	-1.86	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.42	B

SAMPLE: CCB

File: ATE20A May 20, 2003 19:57

Analyte	Result	C
ALUMINUM	87.94	B
ANTIMONY	1.50	B
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	-0.27	B
CADMIUM	0.28	U
CALCIUM	-21.35	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	-1.52	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	8.32	B
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.46	B

SAMPLE: CCB

File: ATE20A May 20, 2003 21:18

Analyte	Result	C
ALUMINUM	135.85	B
ANTIMONY	1.71	B
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	-0.38	B
CADMIUM	0.28	U
CALCIUM	-23.53	B
CHROMIUM	0.57	U
COBALT	0.44	B
COPPER	-2.39	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	21.99	B
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.48	B
ZINC	0.31	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICB

File: ATE21A May 21, 2003 11:40

Analyte	Result	C
ALUMINUM	8.17	U
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	0.23	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	0.91	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.15	B
MANGANESE	0.15	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.24	U

SAMPLE: CCB

File: ATE21A May 21, 2003 12:22

Analyte	Result	C
ALUMINUM	-102.04	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	0.45	B
CALCIUM	40.54	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	2.53	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	5.33	B
MANGANESE	0.15	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	-0.26	B

SAMPLE: CCB

File: ATE21A May 21, 2003 13:48

Analyte	Result	C
ALUMINUM	12.40	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	B
BERYLLIUM	0.23	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	0.91	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	13.18	B
MANGANESE	0.15	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.24	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: ATE21A May 21, 2003 15:09

Analyte	Result	C
ALUMINUM	-48.19	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	0.39	B
CALCIUM	28.79	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	1.27	B
IRON	9.69	B
LEAD	0.91	U
MAGNESIUM	8.46	B
MANGANESE	0.15	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.24	U

SAMPLE: CCB

File: ATE21A May 21, 2003 16:29

Analyte	Result	C
ALUMINUM	-107.63	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.15	B
BERYLLIUM	0.69	B
CALCIUM	47.72	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	2.91	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	11.07	B
MANGANESE	0.15	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.24	U

SAMPLE: CCB

File: ATE21A May 21, 2003 17:49

Analyte	Result	C
ALUMINUM	105.87	B
ANTIMONY	1.33	U
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	0.23	U
CALCIUM	-20.57	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	-1.95	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	10.40	B
MANGANESE	0.15	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.34	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: ATE21A May 21, 2003 19:09

Analyte	Result	C
ALUMINUM	254.55	B
ANTIMONY	2.98	B
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	0.23	U
CALCIUM	-50.34	
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	-4.73	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	10.05	B
MANGANESE	0.15	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.52	B

SAMPLE: CCB

File: ATE21A May 21, 2003 20:30

Analyte	Result	C
ALUMINUM	233.08	B
ANTIMONY	2.87	B
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	0.23	U
CALCIUM	-49.13	B
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	-4.54	B
IRON	9.43	B
LEAD	0.91	U
MAGNESIUM	7.36	B
MANGANESE	0.15	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.34	B

SAMPLE: CCB

File: ATE21A May 21, 2003 21:50

Analyte	Result	C
ALUMINUM	285.43	B
ANTIMONY	1.44	B
ARSENIC	1.80	U
BARIUM	0.12	U
BERYLLIUM	0.23	U
CALCIUM	-56.67	
CHROMIUM	0.57	U
COBALT	0.44	U
COPPER	-5.36	B
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.16	B
MANGANESE	0.15	U
SILVER	0.57	U
VANADIUM	0.36	U
ZINC	0.37	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICB

File: ATE22A May 22, 2003 10:42

Analyte	Result	C
ALUMINUM	-67.08	B
BARIUM	0.12	U
CADMIUM	0.28	U
CALCIUM	29.54	B
IRON	-10.71	B
MAGNESIUM	4.08	U
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	-2.71	B
SILVER	0.57	U
VANADIUM	0.36	U

SAMPLE: CCB

File: ATE22A May 22, 2003 11:22

Analyte	Result	C
ALUMINUM	44.46	B
BARIUM	0.12	U
CADMIUM	0.28	U
CALCIUM	-13.02	B
IRON	9.31	U
MAGNESIUM	4.08	U
MANGANESE	0.15	U
NICKEL	2.55	B
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U

SAMPLE: CCB

File: ATE22A May 22, 2003 12:52

Analyte	Result	C
ALUMINUM	100.71	B
BARIUM	0.12	U
CADMIUM	0.28	U
CALCIUM	-30.29	B
IRON	9.31	U
MAGNESIUM	4.08	U
MANGANESE	0.15	U
NICKEL	2.42	B
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: ATE22A May 22, 2003 14:12

Analyte	Result	C
ALUMINUM	168.80	B
BARIUM	0.12	U
CADMIUM	0.28	U
CALCIUM	-47.20	B
IRON	9.31	U
MAGNESIUM	4.08	U
MANGANESE	0.15	U
NICKEL	2.24	B
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U

SAMPLE: CCB

File: ATE22A May 22, 2003 15:26

Analyte	Result	C
ALUMINUM	229.53	B
BARIUM	0.12	U
CADMIUM	0.28	U
CALCIUM	-59.35	
IRON	9.31	U
MAGNESIUM	4.19	B
MANGANESE	0.15	U
NICKEL	0.65	U
SELENIUM	2.10	U
SILVER	0.57	U
VANADIUM	0.36	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICB

File: BTE20A May 20, 2003 11:56

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	-38.37	B
POTASSIUM	513.00	U
SODIUM	18.80	U

SAMPLE: CCB

File: BTE20A May 20, 2003 12:40

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	18.80	U

SAMPLE: CCB

File: BTE20A May 20, 2003 13:04

Analyte	Result	C
ALUMINUM	26.53	B
CALCIUM	25.97	B
IRON	6.57	B
MAGNESIUM	44.22	B
POTASSIUM	1131.57	
SODIUM	28.97	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: BTE20A May 20, 2003 14:16

Analyte	Result	C
ALUMINUM	21.11	B
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	36.81	B

SAMPLE: CCB

File: BTE20A May 20, 2003 15:41

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	30.60	B
POTASSIUM	608.47	B
SODIUM	18.80	U

SAMPLE: CCB

File: BTE20A May 20, 2003 16:53

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
POTASSIUM	650.98	B
SODIUM	18.80	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: BTE20A May 20, 2003 18:01

Analyte	Result	C
ALUMINUM	35.17	B
CALCIUM	29.49	B
IRON	6.75	B
MAGNESIUM	55.16	
POTASSIUM	845.17	B
SODIUM	36.44	B

SAMPLE: CCB

File: BTE20A May 20, 2003 19:08

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
POTASSIUM	672.03	B
SODIUM	18.80	U

SAMPLE: CCB

File: BTE20A May 20, 2003 20:16

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	20.70	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: BTE20A May 20, 2003 21:24

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	7.64	B
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	23.68	B

SAMPLE: CCB

File: BTE20A May 20, 2003 22:32

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	19.69	B
IRON	11.39	B
MAGNESIUM	28.20	U
POTASSIUM	723.89	B
SODIUM	20.50	B

SAMPLE: CCB

File: BTE20A May 20, 2003 23:39

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	27.32	B
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	22.70	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: BTE20A May 21, 2003 0:47

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	28.42	B
IRON	27.46	B
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	19.51	B

SAMPLE: CCB

File: BTE20A May 21, 2003 1:55

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	34.53	B
IRON	28.13	B
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	21.00	B

SAMPLE: CCB

File: BTE20A May 21, 2003 3:03

Analyte	Result	C
ALUMINUM	149.78	B
CALCIUM	170.59	
IRON	624.39	
MAGNESIUM	43.20	B
POTASSIUM	513.00	U
SODIUM	133.86	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: BTE20A May 21, 2003 3:43

Analyte	Result	C
ALUMINUM	32.76	B
CALCIUM	25.21	B
IRON	30.28	B
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	27.24	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICB

File: BTE22C May 22, 2003 17:21

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	21.73	B

SAMPLE: CCB

File: BTE22C May 22, 2003 17:56

Analyte	Result	C
ALUMINUM	66.17	B
CALCIUM	83.58	
IRON	32.22	B
MAGNESIUM	86.06	
POTASSIUM	513.00	U
SODIUM	50.91	B

SAMPLE: CCB

File: BTE22C May 22, 2003 19:04

Analyte	Result	C
ALUMINUM	22.14	B
CALCIUM	25.78	B
IRON	11.10	B
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	40.20	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: BTE22C May 22, 2003 20:11

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	8.06	B
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	40.48	B

SAMPLE: CCB

File: BTE22C May 22, 2003 21:19

Analyte	Result	C
ALUMINUM	52.98	B
CALCIUM	38.73	B
IRON	22.30	B
MAGNESIUM	53.24	
POTASSIUM	513.00	U
SODIUM	25.70	B

SAMPLE: CCB

File: BTE22C May 22, 2003 22:26

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	33.90	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: BTE22C May 22, 2003 23:34

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	6.06	U
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	30.39	B

SAMPLE: CCB

File: BTE22C May 23, 2003 0:42

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	11.71	B
MAGNESIUM	28.20	U
POTASSIUM	513.00	U
SODIUM	29.78	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICB

File: BTE23A May 23, 2003 12:54

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	7.19	B
MAGNESIUM	28.20	U
SODIUM	18.80	U

SAMPLE: CCB

File: BTE23A May 23, 2003 13:28

Analyte	Result	C
ALUMINUM	35.61	B
CALCIUM	31.24	B
IRON	13.45	B
MAGNESIUM	28.57	B
SODIUM	18.80	U

SAMPLE: CCB

File: BTE23A May 23, 2003 14:36

Analyte	Result	C
ALUMINUM	26.04	B
CALCIUM	18.70	U
IRON	8.04	B
MAGNESIUM	28.20	U
SODIUM	18.80	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: BTE23A May 23, 2003 15:44

Analyte	Result	C
ALUMINUM	20.20	U
CALCIUM	18.70	U
IRON	7.27	B
MAGNESIUM	28.20	U
SODIUM	-19.17	B

SAMPLE: CCB

File: BTE23A May 23, 2003 16:51

Analyte	Result	C
ALUMINUM	44.99	B
CALCIUM	34.62	B
IRON	18.24	B
MAGNESIUM	34.05	B
SODIUM	18.80	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICB

File: DTE23A May 23, 2003 8:45

Analyte	Result	C
MERCURY	0.03	U

SAMPLE: CCB

File: DTE23A May 23, 2003 9:24

Analyte	Result	C
MERCURY	0.06	B

SAMPLE: CCB

File: DTE23A May 23, 2003 10:00

Analyte	Result	C
MERCURY	0.08	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: DTE23A May 23, 2003 10:37

Analyte	Result	C
MERCURY	0.10	B

SAMPLE: CCB

File: DTE23A May 23, 2003 11:13

Analyte	Result	C
MERCURY	0.06	B

SAMPLE: CCB

File: DTE23A May 23, 2003 11:41

Analyte	Result	C
MERCURY	0.06	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICB

File: FTF09B Jun 09, 2003 15:38

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	1.14	U
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	2.31	U
THALLIUM	0.09	B

SAMPLE: CCB

File: FTF09B Jun 09, 2003 16:48

Analyte	Result	C
ALUMINUM	2.99	B
CALCIUM	3.20	B
IRON	5.09	B
MAGNESIUM	4.03	B
MOLYBDENUM	0.21	U
POTASSIUM	9.15	B
SODIUM	2.31	U
THALLIUM	0.02	B

SAMPLE: CCB

File: FTF09B Jun 09, 2003 18:21

Analyte	Result	C
ALUMINUM	2.19	B
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	3.70	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-2.90	B
THALLIUM	0.04	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: FTF09B Jun 09, 2003 19:54

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	2.19	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	8.38	B
THALLIUM	0.07	B

SAMPLE: CCB

File: FTF09B Jun 09, 2003 21:28

Analyte	Result	C
ALUMINUM	0.84	U
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	2.73	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-4.00	B
THALLIUM	0.10	B

SAMPLE: CCB

File: FTF09B Jun 09, 2003 22:53

Analyte	Result	C
ALUMINUM	1.09	B
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	3.53	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-4.24	B
THALLIUM	0.07	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: CCB

File: FTF09B Jun 09, 2003 23:40

Analyte	Result	C
ALUMINUM	1.28	B
CALCIUM	2.85	U
IRON	3.04	U
MAGNESIUM	1.95	B
MOLYBDENUM	0.21	U
POTASSIUM	4.73	U
SODIUM	-3.10	B
THALLIUM	0.03	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTE19ICW3

Matrix: WATER **SDG Name:** CTO287-1

QC Batch ID: TE19ICW3

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	149.720	B
ANTIMONY	1.430	B
ARSENIC	1.800	U
BARIUM	0.120	U
BERYLLIUM	-0.720	B
CADMIUM	0.280	U
CALCIUM	18.700	U
CHROMIUM	0.570	U
COBALT	0.440	U
COPPER	-2.290	B
IRON	9.310	U
LEAD	2.030	B
MAGNESIUM	28.200	U
MANGANESE	0.160	B
NICKEL	1.770	B
POTASSIUM	513.000	U
SELENIUM	2.870	B
SILVER	0.570	U
SODIUM	49.640	B
THALLIUM	-0.053	B
VANADIUM	0.360	U
ZINC	2.120	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTE20ICW3

Matrix: WATER **SDG Name:** CTO287-1

QC Batch ID: TE20ICW3

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	278.200	B
ANTIMONY	1.330	U
ARSENIC	-2.350	B
BARIUM	0.490	B
BERYLLIUM	-0.480	B
CADMIUM	0.280	U
CALCIUM	18.700	U
CHROMIUM	0.750	B
COBALT	0.440	U
COPPER	-4.870	B
IRON	9.310	U
LEAD	1.840	B
MAGNESIUM	28.200	U
MANGANESE	0.160	B
NICKEL	0.650	U
POTASSIUM	513.000	U
SELENIUM	2.100	U
SILVER	0.570	U
SODIUM	28.800	B
THALLIUM	0.192	B
VANADIUM	0.360	U
ZINC	1.120	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWTE22HGW1

Matrix: WATER **SDG Name:** CTO287-1

QC Batch ID: TE22HGW1

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	0.043	B

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE20A May 20, 2003 12:35

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	505035	101.0
ANTIMONY	0	-2	
ARSENIC	0	0	
BARIUM	0	-2	
BERYLLIUM	0	-1	
CADMIUM	0	0	
CALCIUM	500000	490440	98.1
CHROMIUM	0	1	
COBALT	0	1	
COPPER	0	-2	
IRON	200000	197449	98.7
LEAD	5	2	
MAGNESIUM	500000	514875	103.0
MANGANESE	5	-1	
NICKEL	0	1	
SELENIUM	0	3	
SILVER	0	2	
VANADIUM	0	-1	
ZINC	9	0	

SAMPLE: ICSAB

File: ATE20A May 20, 2003 12:41

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	500122	100.0
ANTIMONY	600	613	102.2
ARSENIC	100	101	101.0
BARIUM	500	535	107.0
BERYLLIUM	500	462	92.4
CADMIUM	1000	905	90.5
CALCIUM	500000	489559	97.9
CHROMIUM	500	484	96.8
COBALT	500	474	94.8
COPPER	500	523	104.6
IRON	200000	196444	98.2
LEAD	54	54	100.0
MAGNESIUM	500000	508920	101.8
MANGANESE	503	475	94.4
NICKEL	1000	941	94.1
SELENIUM	50	51	102.0
SILVER	200	209	104.5
VANADIUM	500	480	96.0
ZINC	1010	996	98.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE20A May 20, 2003 16:36

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	501694	100.3
ANTIMONY	0	1	
ARSENIC	0	-1	
BARIUM	0	-2	
BERYLLIUM	0	-1	
CADMIUM	0	-2	
CALCIUM	500000	496611	99.3
CHROMIUM	0	1	
COBALT	0	1	
COPPER	0	-4	
IRON	200000	198021	99.0
LEAD	5	3	
MAGNESIUM	500000	513892	102.8
MANGANESE	5	-2	
NICKEL	0	0	
SELENIUM	0	1	
SILVER	0	2	
VANADIUM	0	-2	
ZINC	9	-1	

SAMPLE: ICSAB

File: ATE20A May 20, 2003 16:43

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	494525	98.9
ANTIMONY	600	615	102.5
ARSENIC	100	101	101.0
BARIUM	500	545	109.0
BERYLLIUM	500	459	91.8
CADMIUM	1000	910	91.0
CALCIUM	500000	498346	99.7
CHROMIUM	500	484	96.8
COBALT	500	471	94.2
COPPER	500	522	104.4
IRON	200000	197301	98.7
LEAD	54	54	100.0
MAGNESIUM	500000	507516	101.5
MANGANESE	503	470	93.4
NICKEL	1000	967	96.7
SELENIUM	50	46	92.0
SILVER	200	210	105.0
VANADIUM	500	473	94.6
ZINC	1010	995	98.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE20A May 20, 2003 20:58

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	499359	99.9
ANTIMONY	0	0	
ARSENIC	0	-3	
BARIUM	0	-2	
BERYLLIUM	0	-1	
CADMIUM	0	-3	
CALCIUM	500000	505975	101.2
CHROMIUM	0	1	
COBALT	0	1	
COPPER	0	-6	
IRON	200000	200187	100.1
LEAD	5	2	
MAGNESIUM	500000	516250	103.3
MANGANESE	5	-2	
NICKEL	0	2	
SELENIUM	0	-3	
SILVER	0	3	
VANADIUM	0	0	
ZINC	9	-1	

SAMPLE: ICSAB

File: ATE20A May 20, 2003 21:05

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	493537	98.7
ANTIMONY	600	613	102.2
ARSENIC	100	98	98.0
BARIUM	500	537	107.4
BERYLLIUM	500	460	92.0
CADMIUM	1000	915	91.5
CALCIUM	500000	496816	99.4
CHROMIUM	500	484	96.8
COBALT	500	468	93.6
COPPER	500	522	104.4
IRON	200000	197011	98.5
LEAD	54	54	100.0
MAGNESIUM	500000	507385	101.5
MANGANESE	503	469	93.2
NICKEL	1000	950	95.0
SELENIUM	50	47	94.0
SILVER	200	210	105.0
VANADIUM	500	472	94.4
ZINC	1010	1003	99.3

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE21A May 21, 2003 12:00

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	499798	100.0
ANTIMONY	0	-1	
ARSENIC	0	-2	
BARIUM	0	-2	
BERYLLIUM	0	-1	
CALCIUM	500000	494033	98.8
CHROMIUM	0	1	
COBALT	0	1	
COPPER	0	-2	
IRON	200000	199926	100.0
LEAD	5	6	
MAGNESIUM	500000	518394	103.7
MANGANESE	5	-2	
SILVER	0	3	
VANADIUM	0	-1	
ZINC	9	-1	

SAMPLE: ICSAB

File: ATE21A May 21, 2003 12:09

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	501702	100.3
ANTIMONY	600	602	100.3
ARSENIC	100	100	100.0
BARIUM	500	503	100.6
BERYLLIUM	500	474	94.8
CALCIUM	500000	487165	97.4
CHROMIUM	500	492	98.4
COBALT	500	479	95.8
COPPER	500	512	102.4
IRON	200000	198206	99.1
LEAD	54	53	98.1
MAGNESIUM	500000	514516	102.9
MANGANESE	503	482	95.8
SILVER	200	206	103.0
VANADIUM	500	494	98.8
ZINC	1010	1007	99.7

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE21A May 21, 2003 16:09

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	501899	100.4
ANTIMONY	0	1	
ARSENIC	0	0	
BARIUM	0	-2	
BERYLLIUM	0	0	
CALCIUM	500000	491086	98.2
CHROMIUM	0	1	
COBALT	0	1	
COPPER	0	-1	
IRON	200000	199876	99.9
LEAD	5	6	
MAGNESIUM	500000	518339	103.7
MANGANESE	5	-1	
SILVER	0	2	
VANADIUM	0	0	
ZINC	9	0	

SAMPLE: ICSAB

File: ATE21A May 21, 2003 16:15

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	498552	99.7
ANTIMONY	600	602	100.3
ARSENIC	100	99	99.0
BARIUM	500	504	100.8
BERYLLIUM	500	473	94.6
CALCIUM	500000	492672	98.5
CHROMIUM	500	496	99.2
COBALT	500	479	95.8
COPPER	500	509	101.8
IRON	200000	199655	99.8
LEAD	54	56	103.7
MAGNESIUM	500000	514887	103.0
MANGANESE	503	486	96.6
SILVER	200	205	102.5
VANADIUM	500	492	98.4
ZINC	1010	1005	99.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE21A May 21, 2003 20:10

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	491513	98.3
ANTIMONY	0	1	
ARSENIC	0	-2	
BARIUM	0	-2	
BERYLLIUM	0	-1	
CALCIUM	500000	513424	102.7
CHROMIUM	0	-1	
COBALT	0	1	
COPPER	0	-11	
IRON	200000	200558	100.3
LEAD	5	4	
MAGNESIUM	500000	516821	103.4
MANGANESE	5	-5	
SILVER	0	2	
VANADIUM	0	5	
ZINC	9	-1	

SAMPLE: ICSAB

File: ATE21A May 21, 2003 20:16

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	490026	98.0
ANTIMONY	600	647	107.8
ARSENIC	100	107	107.0
BARIUM	500	566	113.2
BERYLLIUM	500	458	91.6
CALCIUM	500000	511740	102.3
CHROMIUM	500	487	97.4
COBALT	500	486	97.2
COPPER	500	537	107.4
IRON	200000	199900	100.0
LEAD	54	56	103.7
MAGNESIUM	500000	513263	102.7
MANGANESE	503	472	93.8
SILVER	200	219	109.5
VANADIUM	500	460	92.0
ZINC	1010	1039	102.9

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE21A May 21, 2003 21:30

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	491075	98.2
ANTIMONY	0	1	
ARSENIC	0	-2	
BARIUM	0	-2	
BERYLLIUM	0	-1	
CALCIUM	500000	515068	103.0
CHROMIUM	0	-1	
COBALT	0	1	
COPPER	0	-12	
IRON	200000	201505	100.8
LEAD	5	3	
MAGNESIUM	500000	518593	103.7
MANGANESE	5	-5	
SILVER	0	2	
VANADIUM	0	5	
ZINC	9	-2	

SAMPLE: ICSAB

File: ATE21A May 21, 2003 21:37

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	486470	97.3
ANTIMONY	600	660	110.0
ARSENIC	100	103	103.0
BARIUM	500	573	114.6
BERYLLIUM	500	450	90.0
CALCIUM	500000	508553	101.7
CHROMIUM	500	484	96.8
COBALT	500	488	97.6
COPPER	500	540	108.0
IRON	200000	199238	99.6
LEAD	54	58	107.4
MAGNESIUM	500000	511512	102.3
MANGANESE	503	472	93.8
SILVER	200	219	109.5
VANADIUM	500	452	90.4
ZINC	1010	1025	101.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE22A May 22, 2003 11:02

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	492144	98.4
BARIUM	0	-2	
CADMIUM	0	-2	
CALCIUM	500000	488146	97.6
IRON	200000	195426	97.7
MAGNESIUM	500000	506350	101.3
MANGANESE	5	-2	
NICKEL	0	1	
SELENIUM	0	-2	
SILVER	0	2	
VANADIUM	0	-2	

SAMPLE: ICSAB

File: ATE22A May 22, 2003 11:09

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	487643	97.5
BARIUM	500	514	102.8
CADMIUM	1000	898	89.8
CALCIUM	500000	482166	96.4
IRON	200000	193178	96.6
MAGNESIUM	500000	497811	99.6
MANGANESE	503	464	92.2
NICKEL	1000	914	91.4
SELENIUM	50	45	90.0
SILVER	200	205	102.5
VANADIUM	500	470	94.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE22A May 22, 2003 15:06

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	489329	97.9
BARIUM	0	-2	
CADMIUM	0	-9	
CALCIUM	500000	512775	102.6
IRON	200000	201568	100.8
MAGNESIUM	500000	514323	102.9
MANGANESE	5	-3	
NICKEL	0	1	
SELENIUM	0	-9	
SILVER	0	2	
VANADIUM	0	1	

SAMPLE: ICSAB

File: ATE22A May 22, 2003 15:12

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	479834	96.0
BARIUM	500	557	111.4
CADMIUM	1000	920	92.0
CALCIUM	500000	499970	100.0
IRON	200000	197389	98.7
MAGNESIUM	500000	500804	100.2
MANGANESE	503	461	91.7
NICKEL	1000	1011	101.1
SELENIUM	50	43	86.0
SILVER	200	216	108.0
VANADIUM	500	449	89.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE20A May 20, 2003 12:13

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	517571	103.5
CALCIUM	500000	495927	99.2
IRON	200000	191327	95.7
MAGNESIUM	500000	522219	104.4
POTASSIUM	0	117	
SODIUM	0	18	

SAMPLE: ICSAB

File: BTE20A May 20, 2003 12:19

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	501431	100.3
CALCIUM	500000	485493	97.1
IRON	200000	187193	93.6
MAGNESIUM	500000	506568	101.3
POTASSIUM	20000	20516	102.6
SODIUM	20000	21322	106.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE20A May 20, 2003 17:44

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	524970	105.0
CALCIUM	500000	515753	103.2
IRON	200000	197837	98.9
MAGNESIUM	500000	529310	105.9
POTASSIUM	0	93	
SODIUM	0	50	

SAMPLE: ICSAB

File: BTE20A May 20, 2003 17:50

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	524500	104.9
CALCIUM	500000	516449	103.3
IRON	200000	197400	98.7
MAGNESIUM	500000	530043	106.0
POTASSIUM	20000	21275	106.4
SODIUM	20000	21618	108.1

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE20A May 20, 2003 21:07

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	525501	105.1
CALCIUM	500000	519664	103.9
IRON	200000	199869	99.9
MAGNESIUM	500000	531966	106.4
POTASSIUM	0	147	
SODIUM	0	47	

SAMPLE: ICSAB

File: BTE20A May 20, 2003 21:13

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	527135	105.4
CALCIUM	500000	521261	104.3
IRON	200000	199638	99.8
MAGNESIUM	500000	533054	106.6
POTASSIUM	20000	20886	104.4
SODIUM	20000	21681	108.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE20A May 21, 2003 00:30

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	512824	102.6
CALCIUM	500000	512658	102.5
IRON	200000	194656	97.3
MAGNESIUM	500000	521533	104.3
POTASSIUM	0	373	
SODIUM	0	9	

SAMPLE: ICSAB

File: BTE20A May 21, 2003 00:36

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	518003	103.6
CALCIUM	500000	515468	103.1
IRON	200000	197798	98.9
MAGNESIUM	500000	526720	105.3
POTASSIUM	20000	20681	103.4
SODIUM	20000	21625	108.1

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE20A May 21, 2003 03:26

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	522796	104.6
CALCIUM	500000	510407	102.1
IRON	200000	195835	97.9
MAGNESIUM	500000	527913	105.6
POTASSIUM	0	-158	
SODIUM	0	39	

SAMPLE: ICSAB

File: BTE20A May 21, 2003 03:31

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	525917	105.2
CALCIUM	500000	521706	104.3
IRON	200000	199080	99.5
MAGNESIUM	500000	534152	106.8
POTASSIUM	20000	21126	105.6
SODIUM	20000	21591	108.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE22C May 22, 2003 17:39

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	510228	102.0
CALCIUM	500000	492218	98.4
IRON	200000	188633	94.3
MAGNESIUM	500000	516197	103.2
POTASSIUM	0	-649	
SODIUM	0	11	

SAMPLE: ICSAB

File: BTE22C May 22, 2003 17:45

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	509278	101.9
CALCIUM	500000	496441	99.3
IRON	200000	189485	94.7
MAGNESIUM	500000	516854	103.4
POTASSIUM	20000	19638	98.2
SODIUM	20000	19606	98.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE22C May 22, 2003 21:02

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	520412	104.1
CALCIUM	500000	487320	97.5
IRON	200000	189106	94.6
MAGNESIUM	500000	523023	104.6
POTASSIUM	0	-627	
SODIUM	0	14	

SAMPLE: ICSAB

File: BTE22C May 22, 2003 21:07

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	508581	101.7
CALCIUM	500000	484048	96.8
IRON	200000	186510	93.3
MAGNESIUM	500000	513724	102.7
POTASSIUM	20000	19586	97.9
SODIUM	20000	19699	98.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE22C May 23, 2003 00:25

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	522927	104.6
CALCIUM	500000	482542	96.5
IRON	200000	187963	94.0
MAGNESIUM	500000	523141	104.6
POTASSIUM	0	-380	
SODIUM	0	17	

SAMPLE: ICSAB

File: BTE22C May 23, 2003 00:30

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	518878	103.8
CALCIUM	500000	483842	96.8
IRON	200000	187511	93.8
MAGNESIUM	500000	520319	104.1
POTASSIUM	20000	19960	99.8
SODIUM	20000	20055	100.3

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE23A May 23, 2003 13:11

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	511623	102.3
CALCIUM	500000	497802	99.6
IRON	200000	192093	96.0
MAGNESIUM	500000	520120	104.0
SODIUM	0	-1	

SAMPLE: ICSAB

File: BTE23A May 23, 2003 13:17

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	503872	100.8
CALCIUM	500000	492944	98.6
IRON	200000	189770	94.9
MAGNESIUM	500000	512864	102.6
SODIUM	20000	20666	103.3

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: BTE23A May 23, 2003 16:34

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	507041	101.4
CALCIUM	500000	498914	99.8
IRON	200000	191972	96.0
MAGNESIUM	500000	513866	102.8
SODIUM	0	1	

SAMPLE: ICSAB

File: BTE23A May 23, 2003 16:40

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	502138	100.4
CALCIUM	500000	494596	98.9
IRON	200000	190288	95.1
MAGNESIUM	500000	508898	101.8
SODIUM	20000	20892	104.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: FTF09B Jun 09, 2003 16:17

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	94560	94.6
CALCIUM	100000	102400	102.4
IRON	100000	99240	99.2
MAGNESIUM	100000	95150	95.2
MOLYBDENUM	2000	1985	99.3
POTASSIUM	100000	100600	100.6
SODIUM	100000	95530	95.5
THALLIUM	0	0	

SAMPLE: ICSAB

File: FTF09B Jun 09, 2003 16:25

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	93470	93.5
CALCIUM	100000	99300	99.3
IRON	100000	95140	95.1
MAGNESIUM	100000	94440	94.4
MOLYBDENUM	2000	1914	95.7
POTASSIUM	100000	98550	98.6
SODIUM	100000	94610	94.6
THALLIUM	0	0	

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Concentration Units: ug/L

SAMPLE: ICSA

File: FTF09B Jun 09, 2003 23:09

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	92000	92.0
CALCIUM	100000	99260	99.3
IRON	100000	96360	96.4
MAGNESIUM	100000	93060	93.1
MOLYBDENUM	2000	1945	97.3
POTASSIUM	100000	98020	98.0
SODIUM	100000	92680	92.7
THALLIUM	0	0	

SAMPLE: ICSAB

File: FTF09B Jun 09, 2003 23:16

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	91900	91.9
CALCIUM	100000	99070	99.1
IRON	100000	96350	96.4
MAGNESIUM	100000	92970	93.0
MOLYBDENUM	2000	1917	95.9
POTASSIUM	100000	97710	97.7
SODIUM	100000	92870	92.9
THALLIUM	0	0	

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTE19ICW3

Matrix: WATER **SDG Name:** CTO287-1

QC Batch ID: TE19ICW3

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	1940.44	97.0	80	120
ANTIMONY	500.0	506.22	101.2	80	120
ARSENIC	500.0	489.11	97.8	80	120
BARIUM	2000.0	2062.33	103.1	80	120
BERYLLIUM	50.0	48.01	96.0	80	120
CADMIUM	250.0	242.42	97.0	80	120
CALCIUM	2500.0	2618.97	104.8	80	120
CHROMIUM	200.0	205.53	102.8	80	120
COBALT	500.0	504.08	100.8	80	120
COPPER	250.0	246.08	98.4	80	120
IRON	1000.0	1037.70	103.8	80	120
LEAD	500.0	486.67	97.3	80	120
MAGNESIUM	5000.0	5366.11	107.3	80	120
MANGANESE	500.0	497.28	99.5	80	120
NICKEL	500.0	523.17	104.6	80	120
POTASSIUM	10000.0	10750.03	107.5	80	120
SELENIUM	500.0	478.91	95.8	80	120
SILVER	50.0	49.50	99.0	80	120
SODIUM	7500.0	7927.32	105.7	80	120
THALLIUM	500.0	470.40	94.1	80	120
VANADIUM	500.0	496.45	99.3	80	120
ZINC	500.0	506.45	101.3	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTE20ICW3

Matrix: WATER **SDG Name:** CTO287-1

QC Batch ID: TE20ICW3

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	2122.93	106.1	80	120
ANTIMONY	500.0	551.38	110.3	80	120
ARSENIC	500.0	537.75	107.5	80	120
BARIUM	2000.0	2238.89	111.9	80	120
BERYLLIUM	50.0	47.78	95.6	80	120
CADMIUM	250.0	242.25	96.9	80	120
CALCIUM	2500.0	2374.25	95.0	80	120
CHROMIUM	200.0	209.35	104.7	80	120
COBALT	500.0	540.55	108.1	80	120
COPPER	250.0	256.53	102.6	80	120
IRON	1000.0	1072.22	107.2	80	120
LEAD	500.0	540.45	108.1	80	120
MAGNESIUM	5000.0	5158.21	103.2	80	120
MANGANESE	500.0	510.11	102.0	80	120
NICKEL	500.0	529.55	105.9	80	120
POTASSIUM	10000.0	9849.43	98.5	80	120
SELENIUM	500.0	472.06	94.4	80	120
SILVER	50.0	52.89	105.8	80	120
SODIUM	7500.0	7688.88	102.5	80	120
THALLIUM	500.0	478.30	95.7	80	120
VANADIUM	500.0	472.05	94.4	80	120
ZINC	500.0	533.58	106.7	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWTE22HGW1

Matrix: WATER **SDG Name:** CTO287-1

QC Batch ID: TE22HGW1

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	4.46	89.2	80	120

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code: A**

Instrument Name: TJA TRACE ICP **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	8.17	P
ANTIMONY	8.0	1.33	P
ARSENIC	8.0	1.80	P
BARIUM	5.0	0.12	P
BERYLLIUM	5.0	0.23	P
CADMIUM	10	0.28	P
CHROMIUM	15	0.57	P
COBALT	30	0.44	P
COPPER	25	0.91	P
IRON	100	9.31	P
LEAD	5.0	0.91	P
MANGANESE	5.0	0.15	P
NICKEL	40	0.65	P
SELENIUM	10	2.10	P
SILVER	15	0.57	P
VANADIUM	25	0.36	P
ZINC	25	0.24	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
CALCIUM	50	18.70	P
MAGNESIUM	50	28.20	P
POTASSIUM	1000	513.00	P
SODIUM	1000	18.80	P

FORM X - IN

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** D

Instrument Name: LEEMAN MERCURY ANALYZER **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.03	CV

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code: F**

Instrument Name: AGILENT 7500 ICP-MS **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
THALLIUM	15	0.02	MS

FORM X - IN

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument Name: TJA TRACE ICP **Date:** 1/29/03

Instrument ID: A

Analyte	Wavelength (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Co	Cr	Cu	Mo	Ni	Ti	V
ALUMINUM	308.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0130730	0.0	0.0	0.0227660
ANTIMONY	206.84	0.0	0.0	0.0000270	0.0	0.0	0.0101040	0.0	-0.0062900	-0.0009100	0.0010620	-0.0070700
ARSENIC	189.04	0.0000070	0.0	-0.0000200	0.0	0.0	0.0003270	0.0	0.0009790	0.0	0.0	0.0
BARIUM	493.41	0.0000040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002260
BORON	249.68	0.0	0.0	0.0	0.0	0.0009360	0.0007170	0.0	0.0	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0000750	0.0	0.0	0.0	0.0	0.0	0.0	-0.0002500	0.0
CALCIUM	317.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COBALT	228.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0023750	0.0
COPPER	324.75	0.0000020	0.0	-0.0000500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IRON	271.44	-0.0001100	0.0	0.0	-0.0001600	0.0870110	0.0023680	0.0	0.0001690	0.0	0.0	0.0123750
LEAD	220.35	0.0002430	0.0	0.0000830	0.0000030	-0.0004000	0.0001720	0.0	-0.0006800	0.0004370	-0.0001200	-0.0002200
MAGNESIUM	279.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0001700	0.0	0.0	0.0
MANGANESE	257.61	0.0000140	0.0	0.0000100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NICKEL	231.60	0.0000010	0.0	0.0	0.0	-0.0003400	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.03	-0.0000010	0.0	-0.0002500	0.0	0.0000690	0.0	-0.0001300	0.0	0.0	0.0	-0.0002400
SILVER	328.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THALLIUM	190.86	0.0	0.0	-0.0000500	0.0000010	0.0025030	0.0003660	0.0	-0.0006700	0.0	-0.0012600	0.0015320
VANADIUM	292.40	0.0	0.0	0.0000330	0.0	0.0	0.0	0.0	-0.0007300	0.0	0.0007320	0.0
ZINC	213.86	0.0000290	0.0	0.0000900	0.0	0.0	0.0023200	0.0003340	0.0	0.0044770	0.0	0.0

FORM XI - IN

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument Name: TJA 61 ICP **Date:** 1/29/03

Instrument ID: B

Analyte	Wavelength (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Co	Cr	Cu	Mo	Ni	Ti	V
ALUMINUM	308.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0020600
ANTIMONY	206.84	0.0	0.0	0.0000530	0.0	0.0	0.0092600	0.0	0.0	-0.0043200	0.0	-0.0052600
ARSENIC	193.70	0.0071900	0.0	0.0008230	-0.0001400	0.0	0.0	0.0	0.0	0.0	0.0	0.0088790
BARIUM	493.41	0.0	0.0	0.0	0.0000010	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0045990
BORON	249.68	0.0	0.0	-0.0002300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CADMIUM	228.80	0.0	0.0	0.0	-0.0000200	0.0	0.0	0.0	0.0	-0.0005400	0.0	0.0000790
CALCIUM	317.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	0.0	-0.0000100	0.0	0.0	0.0	0.0	0.0	0.0	0.0000140
COBALT	228.62	0.0	0.0	0.0000650	0.0	0.0	0.0002300	0.0	0.0	0.0003650	0.0	0.0
COPPER	324.75	0.0	0.0	-0.0001100	0.0	0.0	0.0	0.0	0.0	0.0001980	0.0	0.0
IRON	259.94	0.0	0.0	0.0	0.0000060	0.0	0.0	0.0	0.0	0.0	0.0	0.0016200
LEAD	220.35	0.0012280	0.0	0.0001280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAGNESIUM	279.08	0.0	0.0	0.0	0.0	0.0	0.0030000	0.0	0.0	0.0	0.0	0.0
MANGANESE	257.61	0.0000130	0.0	-0.0000200	0.0000200	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NICKEL	231.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POTASSIUM	766.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.03	-0.0000200	0.0	-0.0002500	-0.0000300	0.0	0.0	0.0	0.0	0.0	0.0	-0.0044300
SILICON	252.41	0.0	0.0	0.0000810	0.0	0.0	0.0003090	0.0	0.0	0.0	0.0	0.0000640
SILVER	328.07	0.0	0.0	-0.0001800	0.0	0.0	0.0001220	-0.0001800	0.0	0.0	0.0	-0.0054500
SODIUM	588.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VANADIUM	292.40	0.0	0.0	-0.0000800	0.0	0.0	-0.0030600	-0.0002400	0.0	0.0	0.0	0.0
ZINC	213.86	0.0	0.0	0.0000790	0.0	0.0	0.0	0.0029080	0.0	0.0038000	0.0	-0.0073000

FORM XI - IN

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code: A**

Instrument Name: TJA TRACE ICP **Date:** 1/17/03

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	15.00	500000	P
ANTIMONY	15.00	10000	P
ARSENIC	15.00	10000	P
BARIUM	15.00	30000	P
BERYLLIUM	15.00	5000	P
CADMIUM	15.00	10000	P
CALCIUM	15.00	500000	P
CHROMIUM	15.00	10000	P
COBALT	15.00	10000	P
COPPER	15.00	10000	P
IRON	15.00	250000	P
LEAD	15.00	10000	P
MAGNESIUM	15.00	500000	P
MANGANESE	15.00	10000	P
MOLYBDENUM	15.00	10000	P
NICKEL	15.00	10000	P
POTASSIUM	15.00	30000	P
SELENIUM	15.00	10000	P
SILVER	15.00	1000	P
SODIUM	15.00	200000	P
THALLIUM	15.00	10000	P
VANADIUM	15.00	10000	P
ZINC	15.00	10000	P

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code: B**

Instrument Name: TJA 61 ICP **Date:** 1/17/03

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	8.00	500000	P
ANTIMONY	8.00	10000	P
ARSENIC	8.00	10000	P
BARIUM	8.00	30000	P
BERYLLIUM	8.00	10000	P
CADMIUM	8.00	10000	P
CALCIUM	8.00	500000	P
CHROMIUM	8.00	10000	P
COBALT	8.00	10000	P
COPPER	8.00	10000	P
IRON	8.00	250000	P
LEAD	8.00	10000	P
MAGNESIUM	8.00	500000	P
MANGANESE	8.00	10000	P
NICKEL	8.00	10000	P
POTASSIUM	8.00	500000	P
SELENIUM	8.00	10000	P
SILVER	8.00	1000	P
SODIUM	8.00	500000	P
VANADIUM	8.00	10000	P
ZINC	8.00	10000	P

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** F

Instrument Name: AGILENT 7500 ICP-MS **Date:** 1/17/03

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	0.01	50000	MS
ANTIMONY	0.10	1000	MS
ARSENIC	0.30	500	MS
BARIUM	0.10	1000	MS
BERYLLIUM	0.30	1000	MS
CADMIUM	0.10	250	MS
CALCIUM	0.03	100000	MS
CHROMIUM	0.10	1000	MS
COBALT	0.10	1000	MS
COPPER	0.10	500	MS
IRON	0.03	100000	MS
LEAD	0.10	1000	MS
MAGNESIUM	0.05	100000	MS
MANGANESE	0.10	1000	MS
MOLYBDENUM	0.10	1000	MS
NICKEL	0.10	500	MS
POTASSIUM	0.01	100000	MS
SELENIUM	0.30	250	MS
SILVER	0.10	100	MS
SODIUM	0.01	100000	MS
THALLIUM	0.10	100	MS
VANADIUM	0.10	1000	MS
ZINC	0.10	250	MS

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** TE19ICW3

Matrix: WATER **SDG Name:** CTO287-I

Method: P **Prep Date:** 05/19/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTE19ICW3	LCSWTE19ICW3	0.05	0.05
PBWTE19ICW3	PBWTE19ICW3	0.05	0.05
09GLM04S02	WT1109-001	0.05	0.05
09GLM09S02	WT1109-002	0.05	0.05
09GLM03S02	WT1109-003	0.05	0.05
09GLM03I02	WT1109-004	0.05	0.05
09RB051303	WT1109-005	0.05	0.05
09GLM08S02	WT1109-007	0.05	0.05
09GLM08S02D	WT1109-008	0.05	0.05
09GLM02S02	WT1109-009	0.05	0.05
09GLM06S02	WT1109-010	0.05	0.05
09GLM01S02	WT1109-011	0.05	0.05
10GLM01R01	WT1127-001	0.05	0.05
10GLM01R01D	WT1127-003	0.05	0.05
10GLM0901	WT1127-006	0.05	0.05
10GLM0701	WT1127-008	0.05	0.05
10GLM0601	WT1127-010	0.05	0.05
03RL051403	WT1127-012	0.05	0.05

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** TE20ICW3

Matrix: WATER **SDG Name:** CTO287-1

Method: P **Prep Date:** 05/20/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTE20ICW3	LCSWTE20ICW3	0.05	0.05
PBWTE20ICW3	PBWTE20ICW3	0.05	0.05
03GLM0402	WT1127-014	0.05	0.05

FORM XIII - IN

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** TE22HGW1

Matrix: WATER **SDG Name:** CTO287-1

Method: CV **Prep Date:** 05/22/2003

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWTE22HGW1	LCSWTE22HGW1	0.1	0.1
PBWTE22HGW1	PBWTE22HGW1	0.1	0.1
03RL051403	WT1127-012	0.1	0.1
03GLM0402	WT1127-014	0.1	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA TRACE ICP **File Name:** ATE20A

Date: 5/20/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements												
S0		1	11:22	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
S1		1	11:29	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
AL_IEC		1	11:38	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
FE_IEC		1	11:45	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
MN_IEC		1	11:52	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
IEC		1	11:59	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ICV		1	12:05	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ICB		1	12:12	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
PQL		1	12:19	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CRI		1	12:26	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ICSA		1	12:35	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ICSAB		1	12:41	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCV		1	12:48	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCB		1	12:55	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ZZZZZZ		5	13:01																			
ZZZZZZ		3	13:08																			
ZZZZZZ		15	13:15																			
ZZZZZZ		2	13:21																			
ZZZZZZ		2	13:28																			
ZZZZZZ		2	13:35																			
ZZZZZZ		1	13:41																			
ZZZZZZ		1	13:48																			
ZZZZZZ		1	13:55																			
ZZZZZZ		1	14:02																			
CCV		1	14:08	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCB		1	14:15	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ZZZZZZ		1	14:22																			
ZZZZZZ		1	14:29																			
ZZZZZZ		1	14:35																			
ZZZZZZ		5	14:42																			
ZZZZZZ		1	14:49																			
ZZZZZZ		1	14:55																			
ZZZZZZ		1	15:02																			
ZZZZZZ		1	15:09																			
ZZZZZZ		1	15:15																			
ZZZZZZ		1	15:22																			
CCV		1	15:29	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCB		1	15:36	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ZZZZZZ		1	15:42																			
ZZZZZZ		1	15:49																			
ZZZZZZ		1	15:56																			
ZZZZZZ		1	16:02																			
ZZZZZZ		5	16:09																			
ZZZZZZ		1	16:16																			
ZZZZZZ		1	16:22																			
CRI		1	16:29	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ICSA		1	16:36	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ICSAB		1	16:43	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCV		1	16:49	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCB		1	16:56	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA TRACE ICP **File Name:** ATE20A

Date: 5/20/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements														
CCV		1	17:09	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCB		1	17:16	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ZZZZZZ		1	17:23																			
ZZZZZZ		1	17:30																			
ZZZZZZ		1	17:36																			
ZZZZZZ		1	17:43																			
ZZZZZZ		1	17:50																			
ZZZZZZ		1	17:56																			
ZZZZZZ		1	18:03																			
ZZZZZZ		1	18:10																			
ZZZZZZ		1	18:17																			
ZZZZZZ		1	18:23																			
CCV		1	18:30	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCB		1	18:37	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ZZZZZZ		1	18:43																			
ZZZZZZ		1	18:50																			
ZZZZZZ		1	18:57																			
ZZZZZZ		1	19:03																			
ZZZZZZ		1	19:10																			
ZZZZZZ		1	19:17																			
ZZZZZZ		1	19:24																			
ZZZZZZ		1	19:30																			
ZZZZZZ		1	19:37																			
ZZZZZZ		1	19:44																			
CCV		1	19:51	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCB		1	19:57	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ZZZZZZ		1	20:04																			
ZZZZZZ		1	20:11																			
ZZZZZZ		1	20:18																			
ZZZZZZ		1	20:24																			
ZZZZZZ		1	20:31																			
PBWTE19ICW3		1	20:38	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb		Mn	Ni	Se	Ag	V	Zn
LCSWTE19ICW3		1	20:45	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb		Mn	Ni	Se	Ag	V	Zn
CRI		1	20:51	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ICSA		1	20:58	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
ICSAB		1	21:05	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCV		1	21:11	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn
CCB		1	21:18	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA TRACE ICP **File Name:** ATE21A

Date: 5/21/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
S0		1	10:50	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
S1		1	10:57	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
AL_IEC		1	11:07	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
FE_IEC		1	11:13	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
MN_IEC		1	11:20	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
IEC		1	11:27	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ICV		1	11:33	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ICB		1	11:40	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
PQL		1	11:47	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CRI		1	11:54	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ICSA		1	12:00	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ICSAB		1	12:09	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCV		1	12:15	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCB		1	12:22	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ZZZZZZ		1	12:29	
ZZZZZZ		5	12:36	
ZZZZZZ		1	12:42	
ZZZZZZ		1	12:49	
ZZZZZZ		1	12:56	
ZZZZZZ		1	13:02	
ZZZZZZ		5	13:09	
ZZZZZZ		1	13:16	
ZZZZZZ		1	13:22	
ZZZZZZ		1	13:29	
CCV		1	13:42	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCB		1	13:48	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ZZZZZZ		1	13:55	
ZZZZZZ		1	14:02	
ZZZZZZ		1	14:08	
ZZZZZZ		1	14:15	
ZZZZZZ		1	14:22	
ZZZZZZ		1	14:28	
ZZZZZZ		1	14:35	
ZZZZZZ		1	14:42	
ZZZZZZ		1	14:48	
ZZZZZZ		1	14:55	
CCV		1	15:02	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCB		1	15:09	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ZZZZZZ		1	15:15	
ZZZZZZ		1	15:22	
ZZZZZZ		1	15:29	
ZZZZZZ		2	15:35	
WT1109-001	09GLM04S02	1	15:42	As Mn
WT1109-002	09GLM09S02	1	15:49	As Mn
WT1109-003	09GLM03S02	1	15:55	As Mn
CRI		1	16:02	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ICSA		1	16:09	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ICSAB		1	16:15	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCV		1	16:22	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCB		1	16:29	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA TRACE ICP **File Name:** ATE21A

Date: 5/21/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
WT1109-004	09GLM03I02	1	16:36	As Mn
WT1109-005	09RB051303	1	16:42	As Mn
WT1109-007	09GLM08S02	1	16:49	As Mn
WT1109-008	09GLM08S02D	1	16:56	As Mn
WT1109-009	09GLM02S02	1	17:02	As Mn
WT1109-010	09GLM06S02	1	17:09	As Mn
WT1109-011	09GLM01S02	1	17:16	As Mn
WT1127-001	10GLM01R01	1	17:22	As Mn
WT1127-003	10GLM01R01D	1	17:29	As Mn
WT1127-006	10GLM0901	1	17:36	As Mn
CCV		1	17:42	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCB		1	17:49	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
WT1127-008	10GLM0701	1	17:56	As Mn
WT1127-010	10GLM0601	1	18:03	As Mn
WT1127-012	03RL051403	1	18:09	Sb As Be Cr Co Cu Fe Pb Zn
ZZZZZZ		1	18:16	
ZZZZZZ		1	18:23	
ZZZZZZ		1	18:29	
ZZZZZZ		1	18:36	
ZZZZZZ		1	18:43	
ZZZZZZ		1	18:49	
ZZZZZZ		5	18:56	
CCV		1	19:03	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCB		1	19:09	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ZZZZZZ		1	19:16	
ZZZZZZ		1	19:23	
ZZZZZZ		1	19:30	
ZZZZZZ		1	19:36	
ZZZZZZ		1	19:43	
ZZZZZZ		1	19:50	
ZZZZZZ		1	19:56	
CRI		1	20:03	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ICSA		1	20:10	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ICSAB		1	20:16	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCV		1	20:23	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCB		1	20:30	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ZZZZZZ		1	20:37	
ZZZZZZ		1	20:43	
ZZZZZZ		1	20:50	
ZZZZZZ		1	20:57	
PBWTE20ICW3		1	21:03	Al Sb As Ba Be Cr Co Cu Fe Pb Mn Ag V Zn
LCSWTE20ICW3		1	21:10	Al Sb As Ba Be Cr Co Cu Fe Pb Mn Ag V Zn
WT1127-014	03GLM0402	1	21:17	Al Sb As Ba Be Cr Co Cu Fe Pb Mn Ag V Zn
CRI		1	21:23	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ICSA		1	21:30	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
ICSAB		1	21:37	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCV		1	21:44	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn
CCB		1	21:50	Al Sb As Ba Be Ca Cr Co Cu Fe Pb Mg Mn Ag V Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA TRACE ICP **File Name:** ATE22A

Date: 5/22/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
S0		1	9:48	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
S1		1	9:59	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
AL_IEC		1	10:08	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
FE_IEC		1	10:15	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
MN_IEC		1	10:22	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
IEC		1	10:28	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
ICV		1	10:35	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
ICB		1	10:42	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
PQL		1	10:49	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
CRI		1	10:55	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
ICSA		1	11:02	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
ICSAB		1	11:09	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
CCV		1	11:15	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
CCB		1	11:22	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
ZZZZZZ		1	11:38										
WT1127-012	03RL051403	1	11:45	Al	Ba	Cd		Mn	Ni	Se	Ag		V
PBWTE20ICW3		1	11:51			Cd			Ni	Se			
LCSWTE20ICW3		1	11:58			Cd			Ni	Se			
WT1127-014	03GLM0402	1	12:05			Cd			Ni	Se			
ZZZZZZ		2	12:11										
ZZZZZZ		1	12:18										
ZZZZZZ		1	12:25										
ZZZZZZ		1	12:32										
ZZZZZZ		1	12:38										
CCV		1	12:45	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
CCB		1	12:52	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
ZZZZZZ		1	12:58										
ZZZZZZ		1	13:05										
ZZZZZZ		1	13:12										
ZZZZZZ		1	13:18										
ZZZZZZ		1	13:25										
ZZZZZZ		1	13:32										
ZZZZZZ		1	13:38										
ZZZZZZ		5	13:45										
ZZZZZZ		5	13:52										
ZZZZZZ		5	13:58										
CCV		1	14:05	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
CCB		1	14:12	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
ZZZZZZ		5	14:19										
ZZZZZZ		5	14:25										
ZZZZZZ		1	14:32										
ZZZZZZ		1	14:39										
ZZZZZZ		1	14:46										
ZZZZZZ		1	14:52										
CRI		1	14:59	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
ICSA		1	15:06	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
ICSAB		1	15:12	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
CCV		1	15:19	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V
CCB		1	15:26	Al	Ba	Cd Ca	Fe	Mg Mn	Ni	Se	Ag		V

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA 61 ICP **File Name:** BTE20A

Date: 5/20/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
S0		1	11:23	Al	Ca	Fe	Mg	K	Na
S1		1	11:28	Al	Ca	Fe	Mg	K	Na
AL_IEC		1	11:34	Al	Ca	Fe	Mg	K	Na
FE_IEC		1	11:42	Al	Ca	Fe	Mg	K	Na
ICV		1	11:51	Al	Ca	Fe	Mg	K	Na
ICB		1	11:56	Al	Ca	Fe	Mg	K	Na
PQL		1	12:02	Al	Ca	Fe	Mg	K	Na
CRI		1	12:08	Al	Ca	Fe	Mg	K	Na
ICSA		1	12:13	Al	Ca	Fe	Mg	K	Na
ICSAB		1	12:19	Al	Ca	Fe	Mg	K	Na
CCV		1	12:34	Al	Ca	Fe	Mg	K	Na
CCB		1	12:40	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	12:46						
PQL		1	12:52	Al	Ca	Fe	Mg	K	Na
CCV		1	12:58	Al	Ca	Fe	Mg	K	Na
CCB		1	13:04	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		50	13:14						
ZZZZZZ		250	13:19						
ZZZZZZ		50	13:25						
ZZZZZZ		50	13:31						
ZZZZZZ		50	13:36						
ZZZZZZ		50	13:42						
ZZZZZZ		50	13:48						
ZZZZZZ		50	13:53						
ZZZZZZ		50	13:59						
ZZZZZZ		2	14:05						
CCV		1	14:10	Al	Ca	Fe	Mg	K	Na
CCB		1	14:16	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	14:21						
ZZZZZZ		5	14:27						
ZZZZZZ		1	14:33						
ZZZZZZ		1	14:38						
ZZZZZZ		1	14:44						
ZZZZZZ		1	14:50						
ZZZZZZ		1	14:55						
ZZZZZZ		1	15:01						
ZZZZZZ		1	15:06						
ZZZZZZ		1	15:30						
CCV		1	15:35	Al	Ca	Fe	Mg	K	Na
CCB		1	15:41	Al	Ca	Fe	Mg	K	Na
CCV		1	16:48	Al	Ca	Fe	Mg	K	Na
CCB		1	16:53	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	16:59						
ZZZZZZ		1	17:04						
ZZZZZZ		1	17:10						
ZZZZZZ		1	17:16						
ZZZZZZ		1	17:21						
ZZZZZZ		5	17:27						
ZZZZZZ		1	17:33						
CRI		1	17:38	Al	Ca	Fe	Mg	K	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA 61 ICP **File Name:** BTE20A

Date: 5/20/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
ICSA		1	17:44	Al	Ca	Fe	Mg	K	Na
ICSAB		1	17:50	Al	Ca	Fe	Mg	K	Na
CCV		1	17:55	Al	Ca	Fe	Mg	K	Na
CCB		1	18:01	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	18:06						
ZZZZZZ		1	18:12						
ZZZZZZ		5	18:18						
ZZZZZZ		1	18:23						
ZZZZZZ		1	18:29						
ZZZZZZ		1	18:35						
ZZZZZZ		1	18:40						
ZZZZZZ		1	18:46						
ZZZZZZ		1	18:52						
ZZZZZZ		1	18:57						
CCV		1	19:03	Al	Ca	Fe	Mg	K	Na
CCB		1	19:08	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	19:14						
ZZZZZZ		1	19:20						
ZZZZZZ		1	19:25						
ZZZZZZ		1	19:31						
ZZZZZZ		1	19:37						
ZZZZZZ		1	19:42						
ZZZZZZ		5	19:48						
ZZZZZZ		1	19:54						
ZZZZZZ		1	19:59						
ZZZZZZ		1	20:05						
CCV		1	20:11	Al	Ca	Fe	Mg	K	Na
CCB		1	20:16	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	20:22						
ZZZZZZ		1	20:27						
ZZZZZZ		1	20:33						
ZZZZZZ		1	20:39						
ZZZZZZ		1	20:44						
ZZZZZZ		1	20:50						
ZZZZZZ		1	20:56						
CRI		1	21:01	Al	Ca	Fe	Mg	K	Na
ICSA		1	21:07	Al	Ca	Fe	Mg	K	Na
ICSAB		1	21:13	Al	Ca	Fe	Mg	K	Na
CCV		1	21:18	Al	Ca	Fe	Mg	K	Na
CCB		1	21:24	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	21:30						
ZZZZZZ		5	21:35						
ZZZZZZ		1	21:41						
ZZZZZZ		1	21:46						
ZZZZZZ		1	21:52						
ZZZZZZ		1	21:58						
ZZZZZZ		1	22:03						
ZZZZZZ		1	22:09						
ZZZZZZ		1	22:15						
ZZZZZZ		1	22:20						
CCV		1	22:26	Al	Ca	Fe	Mg	K	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA 61 ICP **File Name:** BTE20A

Date: 5/20/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
CCB		1	22:32	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	22:37						
ZZZZZZ		1	22:43						
ZZZZZZ		1	22:49						
ZZZZZZ		1	22:54						
ZZZZZZ		1	23:00						
ZZZZZZ		1	23:06						
ZZZZZZ		1	23:11						
ZZZZZZ		1	23:17						
ZZZZZZ		1	23:22						
ZZZZZZ		1	23:28						
CCV		1	23:34	Al	Ca	Fe	Mg	K	Na
CCB		1	23:39	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	23:45						
PBWTE19ICW3		1	23:51		Ca		Mg	K	Na
LCSWTE19ICW3		1	23:56		Ca		Mg	K	Na
ZZZZZZ		1	0:02						
ZZZZZZ		1	0:08						
ZZZZZZ		1	0:13						
ZZZZZZ		5	0:19						
CRI		1	0:25	Al	Ca	Fe	Mg	K	Na
ICSA		1	0:30	Al	Ca	Fe	Mg	K	Na
ICSAB		1	0:36	Al	Ca	Fe	Mg	K	Na
CCV		1	0:42	Al	Ca	Fe	Mg	K	Na
CCB		1	0:47	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	0:53						
ZZZZZZ		1	0:59						
WT1109-001	09GLM04S02	1	1:04		Ca		Mg	K	Na
WT1109-002	09GLM09S02	1	1:10		Ca		Mg	K	Na
WT1109-003	09GLM03S02	1	1:16		Ca		Mg	K	Na
WT1109-004	09GLM03I02	1	1:21		Ca		Mg	K	Na
WT1109-005	09RB051303	1	1:27		Ca		Mg	K	Na
WT1109-007	09GLM08S02	1	1:33		Ca		Mg	K	Na
WT1109-008	09GLM08S02D	1	1:38		Ca		Mg	K	Na
WT1109-009	09GLM02S02	1	1:44		Ca		Mg	K	Na
CCV		1	1:49	Al	Ca	Fe	Mg	K	Na
CCB		1	1:55	Al	Ca	Fe	Mg	K	Na
WT1109-010	09GLM06S02	1	2:01		Ca		Mg	K	Na
WT1109-011	09GLM01S02	1	2:06		Ca		Mg	K	Na
WT1127-001	10GLM01R01	1	2:12		Ca		Mg	K	Na
WT1127-003	10GLM01R01D	1	2:18		Ca		Mg	K	Na
WT1127-006	10GLM0901	1	2:23		Ca		Mg	K	Na
WT1127-008	10GLM0701	1	2:29		Ca		Mg	K	Na
WT1127-010	10GLM0601	1	2:35		Ca		Mg	K	Na
WT1127-012	03RL051403	1	2:40		Ca		Mg	K	Na
ZZZZZZ		1	2:46						
ZZZZZZ		1	2:52						
CCV		1	2:57	Al	Ca	Fe	Mg	K	Na
CCB		1	3:03	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	3:09						
ZZZZZZ		1	3:14						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA 61 ICP **File Name:** BTE20A

Date: 5/21/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
CRI		1	3:20	Al	Ca	Fe	Mg	K	Na
ICSA		1	3:26	Al	Ca	Fe	Mg	K	Na
ICSAB		1	3:31	Al	Ca	Fe	Mg	K	Na
CCV		1	3:37	Al	Ca	Fe	Mg	K	Na
CCB		1	3:43	Al	Ca	Fe	Mg	K	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA 61 ICP **File Name:** BTE22C

Date: 5/22/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
S0		1	16:47	Al	Ca	Fe	Mg	K	Na
S1		1	16:53	Al	Ca	Fe	Mg	K	Na
AL_IEC		1	16:59	Al	Ca	Fe	Mg	K	Na
FE_IEC		1	17:07	Al	Ca	Fe	Mg	K	Na
ICV		1	17:15	Al	Ca	Fe	Mg	K	Na
ICB		1	17:21	Al	Ca	Fe	Mg	K	Na
PQL		1	17:28	Al	Ca	Fe	Mg	K	Na
CRI		1	17:33	Al	Ca	Fe	Mg	K	Na
ICSA		1	17:39	Al	Ca	Fe	Mg	K	Na
ICSAB		1	17:45	Al	Ca	Fe	Mg	K	Na
CCV		1	17:50	Al	Ca	Fe	Mg	K	Na
CCB		1	17:56	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	18:02						
ZZZZZZ		1	18:07						
ZZZZZZ		1	18:13						
ZZZZZZ		1	18:18						
ZZZZZZ		1	18:24						
ZZZZZZ		1	18:30						
ZZZZZZ		1	18:35						
ZZZZZZ		1	18:41						
ZZZZZZ		5	18:47						
ZZZZZZ		1	18:52						
CCV		1	18:58	Al	Ca	Fe	Mg	K	Na
CCB		1	19:04	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	19:09						
ZZZZZZ		1	19:15						
ZZZZZZ		5	19:20						
ZZZZZZ		1	19:26						
ZZZZZZ		1	19:32						
ZZZZZZ		1	19:37						
ZZZZZZ		1	19:43						
ZZZZZZ		1	19:49						
ZZZZZZ		1	19:54						
ZZZZZZ		1	20:00						
CCV		1	20:05	Al	Ca	Fe	Mg	K	Na
CCB		1	20:11	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	20:17						
ZZZZZZ		1	20:22						
ZZZZZZ		1	20:28						
ZZZZZZ		1	20:34						
ZZZZZZ		1	20:39						
ZZZZZZ		1	20:45						
ZZZZZZ		1	20:51						
CRI		1	20:56	Al	Ca	Fe	Mg	K	Na
ICSA		1	21:02	Al	Ca	Fe	Mg	K	Na
ICSAB		1	21:07	Al	Ca	Fe	Mg	K	Na
CCV		1	21:13	Al	Ca	Fe	Mg	K	Na
CCB		1	21:19	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	21:24						
ZZZZZZ		1	21:30						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA 61 ICP **File Name:** BTE22C

Date: 5/22/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ZZZZZZ		1	21:36						
ZZZZZZ		5	21:41						
ZZZZZZ		1	21:47						
ZZZZZZ		1	21:53						
ZZZZZZ		1	21:58						
ZZZZZZ		1	22:04						
ZZZZZZ		1	22:09						
ZZZZZZ		1	22:15						
CCV		1	22:21	Al	Ca	Fe	Mg	K	Na
CCB		1	22:26	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	22:32						
ZZZZZZ		1	22:38						
ZZZZZZ		1	22:43						
ZZZZZZ		1	22:49						
ZZZZZZ		1	22:55						
ZZZZZZ		1	23:00						
ZZZZZZ		5	23:06						
ZZZZZZ		1	23:12						
ZZZZZZ		1	23:17						
ZZZZZZ		1	23:23						
CCV		1	23:28	Al	Ca	Fe	Mg	K	Na
CCB		1	23:34	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		5	23:40						
ZZZZZZ		1	23:45						
ZZZZZZ		1	23:51						
ZZZZZZ		1	23:57						
PBWTE20ICW3		1	0:02		Ca		Mg	K	Na
LCSWTE20ICW3		1	0:08		Ca		Mg	K	Na
WT1127-014	03GLM0402	5	0:14		Ca		Mg	K	
CRI		1	0:19	Al	Ca	Fe	Mg	K	Na
ICSA		1	0:25	Al	Ca	Fe	Mg	K	Na
ICSAB		1	0:30	Al	Ca	Fe	Mg	K	Na
CCV		1	0:36	Al	Ca	Fe	Mg	K	Na
CCB		1	0:42	Al	Ca	Fe	Mg	K	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: TJA 61 ICP **File Name:** BTE23A

Date: 5/23/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	12:18	Al	Ca	Fe	Mg	Na
S1		1	12:27	Al	Ca	Fe	Mg	Na
AL_IEC		1	12:32	Al	Ca	Fe	Mg	Na
FE_IEC		1	12:40	Al	Ca	Fe	Mg	Na
ICV		1	12:49	Al	Ca	Fe	Mg	Na
ICB		1	12:54	Al	Ca	Fe	Mg	Na
PQL		1	13:00	Al	Ca	Fe	Mg	Na
CRI		1	13:06	Al	Ca	Fe	Mg	Na
ICSA		1	13:11	Al	Ca	Fe	Mg	Na
ICSAB		1	13:17	Al	Ca	Fe	Mg	Na
CCV		1	13:23	Al	Ca	Fe	Mg	Na
CCB		1	13:28	Al	Ca	Fe	Mg	Na
ZZZZZZ		1	13:34					
ZZZZZZ		1	13:40					
ZZZZZZ		1	13:45					
ZZZZZZ		5	13:51					
ZZZZZZ		1	13:57					
ZZZZZZ		1	14:02					
ZZZZZZ		1	14:08					
WT1127-014	03GLM0402	20	14:13					Na
ZZZZZZ		1	14:19					
ZZZZZZ		1	14:25					
CCV		1	14:30	Al	Ca	Fe	Mg	Na
CCB		1	14:36	Al	Ca	Fe	Mg	Na
ZZZZZZ		1	14:42					
ZZZZZZ		1	14:47					
ZZZZZZ		1	14:53					
ZZZZZZ		1	14:59					
ZZZZZZ		1	15:04					
ZZZZZZ		1	15:10					
ZZZZZZ		1	15:15					
ZZZZZZ		1	15:21					
ZZZZZZ		1	15:27					
ZZZZZZ		1	15:32					
CCV		1	15:38	Al	Ca	Fe	Mg	Na
CCB		1	15:44	Al	Ca	Fe	Mg	Na
ZZZZZZ		1	15:49					
ZZZZZZ		1	15:55					
ZZZZZZ		5	16:00					
ZZZZZZ		1	16:06					
ZZZZZZ		1	16:12					
ZZZZZZ		1	16:17					
ZZZZZZ		1	16:23					
CRI		1	16:29	Al	Ca	Fe	Mg	Na
ICSA		1	16:34	Al	Ca	Fe	Mg	Na
ICSAB		1	16:40	Al	Ca	Fe	Mg	Na
CCV		1	16:46	Al	Ca	Fe	Mg	Na
CCB		1	16:51	Al	Ca	Fe	Mg	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: LEEMAN MERCURY A **File Name:** DTE23A

Date: 5/23/03 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Std1			8:22	Hg
Std2			8:25	Hg
Std3			8:28	Hg
Std4			8:31	Hg
Std5			8:34	Hg
Std6			8:38	Hg
ICV		1	8:42	Hg
ICB		1	8:45	Hg
ZZZZZZ		1	8:48	
ZZZZZZ		1	8:51	
ZZZZZZ		1	8:55	
ZZZZZZ		1	8:58	
ZZZZZZ		1	9:01	
ZZZZZZ		1	9:04	
ZZZZZZ		1	9:07	
ZZZZZZ		1	9:11	
ZZZZZZ		1	9:14	
ZZZZZZ		1	9:17	
CCV		1	9:20	Hg
CCB		1	9:24	Hg
ZZZZZZ		1	9:27	
ZZZZZZ		1	9:30	
ZZZZZZ		1	9:33	
ZZZZZZ		1	9:36	
ZZZZZZ		1	9:38	
ZZZZZZ		1	9:42	
ZZZZZZ		1	9:45	
ZZZZZZ		1	9:48	
ZZZZZZ		1	9:50	
ZZZZZZ		1	9:53	
CCV		1	9:56	Hg
CCB		1	10:00	Hg
ZZZZZZ		1	10:03	
ZZZZZZ		1	10:06	
ZZZZZZ		1	10:09	
ZZZZZZ		1	10:12	
LCSWTE22HGW1		1	10:15	Hg
PBWTE22HGW1		1	10:18	Hg
ZZZZZZ		1	10:21	
ZZZZZZ		1	10:24	
ZZZZZZ		1	10:27	
ZZZZZZ		1	10:30	
CCV		1	10:33	Hg
CCB		1	10:37	Hg
ZZZZZZ		1	10:40	
ZZZZZZ		1	10:43	
ZZZZZZ		1	10:46	
ZZZZZZ		1	10:49	
ZZZZZZ		1	10:52	
ZZZZZZ		1	10:55	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: CTO287-1

Instrument ID: LEEMAN MERCURY A

File Name: DTE23A

Date: 5/23/03

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	10:58	
ZZZZZZ		1	11:01	
ZZZZZZ		1	11:04	
ZZZZZZ		1	11:07	
CCV		1	11:10	Hg
CCB		1	11:13	Hg
WT1127-012	03RL051403	1	11:16	Hg
WT1127-014	03GLM0402	1	11:19	Hg
ZZZZZZ		1	11:22	
ZZZZZZ		1	11:25	
ZZZZZZ		1	11:28	
ZZZZZZ		1	11:31	
ZZZZZZ		1	11:34	
CCV		1	11:37	Hg
CCB		1	11:41	Hg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FTF09B

Date: 6/9/03 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements						
Cal Blank		1	14:44	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 1		1	14:52	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 2		1	15:00	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 3		1	15:08	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Cal Std 4		1	15:15	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	15:23	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICV		1	15:31	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICB		1	15:38	Al	Ca	Fe	Mg	Mo	K	Na	Tl
PQL		1	15:46	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		1	15:54								
Blank		1	16:02	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CRI		5	16:09	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSA		1	16:17	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSAB		1	16:25	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	16:33	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCV		1	16:40	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	16:48	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	16:56								
ZZZZZZ		5	17:04								
ZZZZZZ		5	17:11								
ZZZZZZ		5	17:19								
ZZZZZZ		5	17:27								
PBWTE19ICW3		5	17:35								Tl
LCSWTE19ICW3		10	17:42								Tl
ZZZZZZ		1	17:50								
ZZZZZZ		5	17:58								
ZZZZZZ		5	18:06								
CCV		1	18:13	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	18:21	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	18:29								
ZZZZZZ		25	18:37								
ZZZZZZ		10	18:44								
ZZZZZZ		10	18:52								
ZZZZZZ		1	19:00								
WT1127-012	03RL051403	5	19:08								Tl
PBWTE20ICW3		5	19:15								Tl
LCSWTE20ICW3		10	19:23								Tl
ZZZZZZ		1	19:31								
WT1127-014	03GLM0402	10	19:39								Tl
CCV		1	19:47	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	19:54	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	20:02								
ZZZZZZ		5	20:10								
ZZZZZZ		5	20:18								
ZZZZZZ		5	20:25								
ZZZZZZ		10	20:33								
ZZZZZZ		10	20:41								
ZZZZZZ		10	20:49								
ZZZZZZ		1	20:57								
ZZZZZZ		5	21:04								

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO287-1

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FTF09B

Date: 6/9/03 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements						
ZZZZZZ		25	21:12							
CCV		1	21:20	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	21:28	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ZZZZZZ		5	21:35							
ZZZZZZ		10	21:43							
ZZZZZZ		1	21:51							
ZZZZZZ		5	21:59							
ZZZZZZ		25	22:07							
ZZZZZZ		10	22:14							
ZZZZZZ		10	22:22							
ZZZZZZ		1	22:30							
ZZZZZZ		5	22:38							
CCV		1	22:45	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	22:53	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CRI		5	23:01	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSA		1	23:09	Al	Ca	Fe	Mg	Mo	K	Na	Tl
ICSAB		1	23:16	Al	Ca	Fe	Mg	Mo	K	Na	Tl
Blank		1	23:24	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCV		1	23:32	Al	Ca	Fe	Mg	Mo	K	Na	Tl
CCB		1	23:40	Al	Ca	Fe	Mg	Mo	K	Na	Tl

FORM XIV - IN

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-1

Parameter: Chloride

QC Batch Id: TE23WL7
Anal Method: EPA 325.2
Prep Method: N/A
Anal Date: 05/22/03
Prep Date: N/A
Blank Result: U2.0mg/L
Pql: 2.0mg/L

Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
09GLM04S02	WT1109-1	05/22/03
09GLM06S02	WT1109-10	05/22/03
09GLM01S02	WT1109-11	05/22/03
09GLM09S02	WT1109-2	05/22/03
09GLM03S02	WT1109-3	05/22/03
09GLM03I02	WT1109-4	05/22/03
09GLM08S02	WT1109-7	05/22/03
09GLM08S02	WT1109-7 DUP	05/22/03
09GLM08S02	WT1109-7 MS	05/22/03
09GLM08S02D	WT1109-8	05/22/03
09GLM02S02	WT1109-9	05/22/03

QC Batch Id: TE23WL8
Anal Method: EPA 325.2
Prep Method: N/A
Anal Date: 05/22/03
Prep Date: N/A
Blank Result: U2.0mg/L
Pql: 2.0mg/L

Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
10GLM01R01	WT1127-1	05/22/03
10GLM0601	WT1127-10	05/22/03
10GLM0601	WT1127-10 DUP	05/22/03
10GLM0601	WT1127-10 MS	05/22/03
10GLM01R01D	WT1127-3	05/22/03
10GLM0901	WT1127-6	05/22/03
10GLM0701	WT1127-8	05/22/03

Parameter: Cyanide

QC Batch Id: TE24WL9

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-1

Parameter: Cyanide

QC Batch Id: TE24WL9
Anal Method: SW846 M9012A — Anal Date: 05/23/03 — Blank Result: U10mg/L
Prep Method: SW846 M90 — Prep Date: 05/22/03 — Pql: 10mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/23/03
LABQC	MBLANK	05/23/03
03RL051403	WT1127-12	05/23/03
03GLM0402	WT1127-14	05/23/03

Parameter: Nitrate As N

QC Batch Id: TE16WL9
Anal Method: EPA 353.2 — Anal Date: 05/14/03 — Blank Result: U0.050mg/L
Prep Method: N/A — Prep Date: N/A — Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/14/03
LABQC	MBLANK	05/14/03
09GLM04S02	WT1109-1	05/14/03
09GLM06S02	WT1109-10	05/14/03
09GLM01S02	WT1109-11	05/14/03
09GLM09S02	WT1109-2	05/14/03
09GLM03S02	WT1109-3	05/14/03
09GLM03I02	WT1109-4	05/14/03
09GLM08S02	WT1109-7	05/14/03
09GLM08S02D	WT1109-8	05/14/03
09GLM08S02D	WT1109-8 DUP	05/14/03
09GLM08S02D	WT1109-8 MS	05/14/03
09GLM02S02	WT1109-9	05/14/03

QC Batch Id: TE19WL6
Anal Method: EPA 353.2 — Anal Date: 05/16/03 — Blank Result: U0.050mg/L
Prep Method: N/A — Prep Date: N/A — Pql: 0.050mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/16/03

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-1

Parameter: Nitrate As N

QC Batch Id: TE19WL6
Anal Method: EPA 353.2
Prep Method: N/A

Anal Date: 05/16/03
Prep Date: N/A

Blank Result: U0.050mg/L
Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	MBLANK	05/16/03
10GLM01R01	WT1127-1	05/16/03
10GLM0601	WT1127-10	05/16/03
10GLM01R01D	WT1127-3	05/16/03
10GLM0901	WT1127-6	05/16/03
10GLM0701	WT1127-8	05/16/03

Parameter: Nitrite As N

QC Batch Id: TE16WL12
Anal Method: EPA 353.2
Prep Method: N/A
Associated Samples:

Anal Date: 05/14/03
Prep Date: N/A

Blank Result: U0.050mg/L
Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/14/03
LABQC	MBLANK	05/14/03
09GLM04S02	WT1109-1	05/14/03
09GLM06S02	WT1109-10	05/14/03
09GLM01S02	WT1109-11	05/14/03
09GLM09S02	WT1109-2	05/14/03
09GLM03S02	WT1109-3	05/14/03
09GLM03I02	WT1109-4	05/14/03
09GLM08S02	WT1109-7	05/14/03
09GLM08S02D	WT1109-8	05/14/03
09GLM08S02D	WT1109-8 DUP	05/14/03
09GLM08S02D	WT1109-8 MS	05/14/03
09GLM02S02	WT1109-9	05/14/03

QC Batch Id: TE19WL7
Anal Method: EPA 353.2
Prep Method: N/A
Associated Samples:

Anal Date: 05/16/03
Prep Date: N/A

Blank Result: U0.050mg/L
Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-1

Parameter: Nitrite As N

QC Batch Id: TE19WL7
Anal Method: EPA 353.2
Prep Method: N/A

Anal Date: 05/16/03
Prep Date: N/A

Blank Result: U0.050mg/L
Pql: 0.050mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/16/03
LABQC	MBLANK	05/16/03
10GLM01R01	WT1127-1	05/16/03
10GLM0601	WT1127-10	05/16/03
10GLM01R01D	WT1127-3	05/16/03
10GLM0901	WT1127-6	05/16/03
10GLM0701	WT1127-8	05/16/03

Parameter: Sulfate-Turbidimetric

QC Batch Id: TE23WL16
Anal Method: EPA 375.4
Prep Method: N/A
Associated Samples:

Anal Date: 05/23/03
Prep Date: N/A

Blank Result: U1.0mg/L
Pql: 1.0mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/23/03
LABQC	MBLANK	05/23/03
09GLM04S02	WT1109-1	05/23/03
09GLM06S02	WT1109-10	05/23/03
09GLM01S02	WT1109-11	05/23/03
09GLM09S02	WT1109-2	05/23/03
09GLM03S02	WT1109-3	05/23/03
09GLM03I02	WT1109-4	05/23/03
09GLM08S02	WT1109-7	05/23/03
09GLM08S02	WT1109-7 DUP	05/23/03
09GLM08S02	WT1109-7 MS	05/23/03
09GLM08S02D	WT1109-8	05/23/03
09GLM02S02	WT1109-9	05/23/03

QC Batch Id: TE23WL22
Anal Method: EPA 375.4
Prep Method: N/A
Associated Samples:

Anal Date: 05/23/03
Prep Date: N/A

Blank Result: U1.0mg/L
Pql: 1.0mg/L

Katahdin
ANALYTICAL SERVICES

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Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-1

Parameter: Sulfate-Turbidimetric

QC Batch Id: TE23WL22
Anal Method: EPA 375.4
Prep Method: N/A
Anal Date: 05/23/03
Prep Date: N/A
Blank Result: U1.0mg/L
Pql: 1.0mg/L

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/23/03
LABQC	MBLANK	05/23/03
10GLM0601	WT1127-10	05/23/03
10GLM0601	WT1127-10 DUP	05/23/03
10GLM0601	WT1127-10 MS	05/23/03
10GLM0901	WT1127-6	05/23/03
10GLM0701	WT1127-8	05/23/03

QC Batch Id: TE23WL23
Anal Method: EPA 375.4
Prep Method: N/A
Anal Date: 05/22/03
Prep Date: N/A
Blank Result: U1.0mg/L
Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	05/22/03
LABQC	MBLANK	05/22/03
10GLM01R01	WT1127-1	05/22/03
10GLM01R01D	WT1127-3	05/22/03

Parameter: Total Organic Carbon

QC Batch Id: TF04WL6
Anal Method: EPA 415.1
Prep Method: N/A
Anal Date: 06/03/03
Prep Date: N/A
Blank Result: J0.6719mg/L
Pql: 1.0mg/L
Associated Samples:

Client Sample ID	Lab Sample ID	Analysis Date
LABQC	LCS	06/03/03
LABQC	LCSD	06/03/03
LABQC	MBLANK	06/03/03
09GLM04S02	WT1109-1	06/03/03
09GLM06S02	WT1109-10	06/03/03
09GLM01S02	WT1109-11	06/03/03
09GLM09S02	WT1109-2	06/03/03
09GLM03S02	WT1109-3	06/03/03

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Method Blank Summary Report (Cont.)

Company: Tetra Tech NUS, Inc.

Sdg: CTO287-1

Parameter: Total Organic Carbon

QC Batch Id: TF04WL6
Anal Method: EPA 415.1
Prep Method: N/A

Anal Date: 06/03/03
Prep Date: N/A

Blank Result: J0.6719mg/L
Pql: 1.0mg/L

Client Sample ID	Lab Sample ID	Analysis Date
09GLM03I02	WT1109-4	06/03/03
09GLM08S02	WT1109-7	06/03/03
09GLM08S02	WT1109-7 DUP	06/03/03
09GLM08S02	WT1109-7 MS	06/03/03
09GLM08S02D	WT1109-8	06/03/03
09GLM02S02	WT1109-9	06/03/03
10GLM01R01	WT1127-1	06/03/03
10GLM0601	WT1127-10	06/03/03
10GLM0601	WT1127-10 MS	06/03/03
10GLM01R01D	WT1127-3	06/03/03
10GLM0901	WT1127-6	06/03/03
10GLM0701	WT1127-8	06/03/03

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Report

Company Tetra Tech NUS, Inc.
Sdg CTO287-1

Qc Batch Id	Anal Date	Prep Date	Units	Spike Amount	Result	Recovery (%)	Recovery Acceptance Range
Parameter: Chloride							
TE23WL7	05/22/03	N/A	mg/L	35.0	34	99	80-120
TE23WL8	05/22/03	N/A	mg/L	35.0	34	99	80-120
Parameter: Cyanide							
TE24WL9	05/23/03	05/22/03	mg/L	200	190	94	80-120
Parameter: Nitrate As N							
TE16WL9	05/14/03	N/A	mg/L	1.00	0.91	91	80-120
TE19WL6	05/16/03	N/A	mg/L	1.00	0.95	95	80-120
Parameter: Nitrite As N							
TE16WL12	05/14/03	N/A	mg/L	1.00	1.1	107	80-120
TE19WL7	05/16/03	N/A	mg/L	1.00	1.1	108	80-120
Parameter: Sulfate-Turbidimetric							
TE23WL16	05/23/03	N/A	mg/L	15.0	15	101	80-120
TE23WL22	05/23/03	N/A	mg/L	15.0	14	94	80-120
TE23WL23	05/22/03	N/A	mg/L	15.0	13	89	80-120

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Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

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ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Quality Control Report

Laboratory Control Sample Duplicate Report

Company Tetra Tech NUS, Inc.
Sdg CTO287-1

Qc Batch Id	Anal Date	Prep Date	Units	Spike Amount LCS	Spike Amount LCSD	Result LCS	Result LCSD	Recovery (%) LCS	Recovery (%) LCSD	Recovery Acceptance Range	RPD	RPD Criter
Parameter: Total Organic Carbon												
TF04WL6	06/03/03	N/A	mg/L	50.0	50.0	50	50	100	99	80-120	1	20

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Matrix Spike Report

Company: Tetra Tech NUS, Inc.
Sdg: CTO287-1

Sample	Anal Date	Result	Units	Spike Level	Result	Recovery (%)	Acceptance Range
Parameter: Chloride							
WT1109-7	05/22/03	11	mg/L	50.0	60	99	75-125
WT1127-10	05/22/03	11	mg/L	50.0	88	*155	75-125
Parameter: Nitrate As N							
WT1109-8	05/14/03	U0.050	mg/L	0.500	0.46	92	75-125
Parameter: Nitrite As N							
WT1109-8	05/14/03	U0.050	mg/L	0.500	0.48	101	80-120
Parameter: Sulfate-Turbidimetric							
WT1109-7	05/23/03	33	mg/L	10.0	43	103	75-125
WT1127-10	05/23/03	22	mg/L	5.00	27	110	75-125
Parameter: Total Organic Carbon							
WT1109-7	06/03/03	3.7	mg/L	100	100	98	75-125
WT1127-10	06/03/03	14	mg/L	100	130	120	75-125

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Sample Duplicate Report

Client: Tetra Tech NUS, Inc.
Sdg: CTO287-1

Sample	Anal Date	Units	Native Result	Duplicate Result	RPD	Criteria (%)
Chloride						
WT1109-7	05/22/03	mg/L	11	11	1	20
WT1127-10	05/22/03	mg/L	11	11	0	20
Nitrate As N						
WT1109-8	05/14/03	mg/L	U0.050	U0.050	NC	20
Nitrite As N						
WT1109-8	05/14/03	mg/L	U0.050	U0.050	NC	20
Sulfate-Turbidimetric						
WT1109-7	05/23/03	mg/L	33	34	2	20
WT1127-10	05/23/03	mg/L	22	22	2	20
Total Organic Carbon						
WT1109-7	06/03/03	mg/L	3.7	3.5	7	20

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Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**JULY 8, 2003**
FROM:	**MICHAEL T. AKERS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – METALS**
CTO 287, CSS PANAMA CITY
SDG WT0984

SAMPLES: 6 / Soil / Select Metals

PCYS10Z1404	PCYS10Z1406	PCYS10Z306
PCYS10Z506	PCYS10Z904	PCYS10Z906

OVERVIEW

The sample set for CTO 287; CSS Panama City, SDG WT0984 consists of six (6) soil environmental samples analyzed for Select Metals (Arsenic, Cadmium, Chromium, and Lead).

The samples were collected by TetraTech NUS on April 30th, 2003 and analyzed by Katahdin Analytical Services. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW846 6010B analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

- * Data completeness
- * Holding times
- * Calibration Recoveries
- Blank results
- Laboratory Control Sample Recoveries
- * ICP Serial Dilution Analyses
- * Matrix Spike/Matrix Spike Duplicate Recoveries
- * Detection Limits
- * Sample Quantitation
- * ICP Interference

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

METALS

The following compounds were detected in the soil laboratory method and or preparation blanks at the maximum concentrations as indicated below:

Compound	Maximum Concentration	Action Level (mg/kg)
Chromium	0.108 mg/kg	0.54
Lead	1.87 ug/L	0.935

An action level of 5X the maximum detected concentration was established for evaluating blank contamination for Chromium and Lead. All results reported for Chromium and Lead were above calculated action levels for blank contamination, therefore qualification of the data is not necessary.

Additional Comments

Arsenic exhibited high recovery above acceptance limits (>120%) in Lab Control Standard (LCS) analyzed on 5/5/03 at 2132. However, this LCS was not associated with any samples analyzed with this SDG, thus no data qualifications have been made.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Lead and chromium were detected in the laboratory method/preparation blanks.

Other Factors Affecting Data Quality: None

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), EPA Region IV (8/93) and the NFESC guidelines "Navy IRCDQM" (Sept 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

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

Tetra Tech NUS

Michael T. Akers
Chemist/Data Validator

Edward Koellmyer / for
TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results

2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: M

nsample	PCYS10Z1404	nsample	PCYS10Z1406	nsample	PCYS10Z306
samp_date	4/30/2003	samp_date	4/30/2003	samp_date	4/30/2003
lab_id	WT0984-004	lab_id	WT0984-005RE	lab_id	WT0984-001
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	84.1	Pct_Solids	84.5	Pct_Solids	87.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.51		
CADMIUM	0.04		
CHROMIUM	2.5		
LEAD	3.7		

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.94		
CADMIUM	0.07		
CHROMIUM	3.2		
LEAD	3.5		

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.24		
CADMIUM	0.04		
CHROMIUM	1.3		
LEAD	2.6		

PROJ_NO: 9061

SDG: WT0984 MEDIA: SOIL DATA FRACTION: M

nsample	PCYS10Z506
samp_date	4/30/2003
lab_id	WT0984-006
qc_type	NM
units	MG/KG
Pct_Solids	81.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.91		
CADMIUM	0.09		
CHROMIUM	6.4		
LEAD	4.5		

nsample	PCYS10Z904
samp_date	4/30/2003
lab_id	WT0984-002
qc_type	NM
units	MG/KG
Pct_Solids	90
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.58		
CADMIUM	0.06		
CHROMIUM	2.2		
LEAD	6.2		

nsample	PCYS10Z906
samp_date	4/30/2003
lab_id	WT0984-003
qc_type	NM
units	MG/KG
Pct_Solids	86.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.47		
CADMIUM	0.05		
CHROMIUM	4.1		
LEAD	6.6		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** PCYS10Z306

Matrix: SOIL **SDG Name:** WT0984

Percent Solids: 87.2 **Lab Sample ID:** WT0984-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	0.24	B		P	1	0.84	0.19
7440-43-9	CADMIUM	0.04	B		P	1	1.0	0.03
7440-47-3	CHROMIUM	1.3	B		P	1	1.6	0.06
7439-92-1	LEAD	2.6			P	1	0.52	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:** PCYS10Z904

Matrix: SOIL **SDG Name:** WT0984

Percent Solids: 90.0 **Lab Sample ID:** WT0984-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	0.58	B		P	1	0.71	0.16
7440-43-9	CADMIUM	0.06	B		P	1	0.89	0.02
7440-47-3	CHROMIUM	2.2			P	1	1.3	0.05
7439-92-1	LEAD	6.2			P	1	0.44	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:** PCYS10Z906

Matrix: SOIL **SDG Name:** WT0984

Percent Solids: 86.5 **Lab Sample ID:** WT0984-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	0.47	B		P	1	0.67	0.15
7440-43-9	CADMIUM	0.05	B		P	1	0.84	0.02
7440-47-3	CHROMIUM	4.1			P	1	1.3	0.05
7439-92-1	LEAD	6.6			P	1	0.42	0.08

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

I

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** PCYS10Z1404

Matrix: SOIL **SDG Name:** WT0984

Percent Solids: 84.1 **Lab Sample ID:** WT0984-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	0.51	B		P	1	0.83	0.19
7440-43-9	CADMIUM	0.04	B		P	1	1.0	0.03
7440-47-3	CHROMIUM	2.5			P	1	1.6	0.06
7439-92-1	LEAD	3.7			P	1	0.52	0.09

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** PCYS10Z1406

Matrix: SOIL **SDG Name:** WT0984

Percent Solids: 84.5 **Lab Sample ID:** WT0984-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	0.94			P	1	0.68	0.15
7440-43-9	CADMIUM	0.07	B		P	1	0.86	0.02
7440-47-3	CHROMIUM	3.2			P	1	1.3	0.05
7439-92-1	LEAD	3.5			P	1	0.43	0.08

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** PCYS10Z506

Matrix: SOIL **SDG Name:** WT0984

Percent Solids: 81.6 **Lab Sample ID:** WT0984-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC	0.91			P	1	0.80	0.18
7440-43-9	CADMIUM	0.09	B		P	1	1.0	0.03
7440-47-3	CHROMIUM	6.4			P	1	1.5	0.06
7439-92-1	LEAD	4.5			P	1	0.50	0.09

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

APPENDIX C

SUPPORT DOCUMENTATION

WT0984

HOLDING TIME
06/12/03

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/KG	LABQC	PBSTE02ICS0	P BLANK	WT0984	M	05/02/03	05/02/03	05/05/03	0	3	3
MG/KG	PCYS10Z1404	WT0984-004	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z1406	WT0984-005	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z306	WT0984-001	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z306MS	WT0984-001S	MS	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z306MSD	WT0984-001P	MSD	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z506	WT0984-006	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z904	WT0984-002	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
MG/KG	PCYS10Z906	WT0984-003	NORMAL	WT0984	M	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z1404	WT0984-8RA	NORMAL	WT0984	OS	04/30/03	05/06/03	05/30/03	6	24	30
%	PCYS10Z1406	WT0984-5	NORMAL	WT0984	OS	04/30/03	05/13/03	05/28/03	13	15	28
%	PCYS10Z306	WT0984-1DL2	NORMAL	WT0984	OS	04/30/03	05/13/03	05/30/03	13	17	30
%	PCYS10Z506	WT0984-9	NORMAL	WT0984	OS	04/30/03	05/06/03	05/28/03	6	22	28
%	PCYS10Z904	WT0984-2RA	NORMAL	WT0984	OS	04/30/03	05/13/03	05/30/03	13	17	30
%	PCYS10Z906	WT0984-7	NORMAL	WT0984	OS	04/30/03	05/06/03	05/28/03	6	22	28
%	WG2202-BLANK	WG2202-1	P BLANK	WT0984	OS	05/06/03	05/06/03	05/28/03	0	22	22
%	WG2202-LCS	WG2202-2	LCS	WT0984	OS	05/06/03	05/06/03	05/28/03	0	22	22
%	WG2202-LCSD	WG2202-3	LCSD	WT0984	OS	05/06/03	05/06/03	05/28/03	0	22	22
%	WG2250-BLANK	WG2250-1A	P BLANK	WT0984	OS	05/13/03	05/13/03	05/28/03	0	15	15
%	WG2250-LCS	WG2250-2	LCS	WT0984	OS	05/13/03	05/13/03	05/21/03	0	8	8
%	WG2250-LCSD	WG2250-3	LCSD	WT0984	OS	05/13/03	05/13/03	05/21/03	0	8	8
%	PCYS10Z1404	WT0984-8	NORMAL	WT0984	OV	04/30/03	05/07/03	05/07/03	7	0	7
UG/KG	PCYS10Z1406	WT0984-5	NORMAL	WT0984	OV	04/30/03	05/08/03	05/08/03	8	0	8
UG/KG	PCYS10Z306	WT0984-1	NORMAL	WT0984	OV	04/30/03	05/08/03	05/08/03	8	0	8

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%	PCYS10Z506	WT0984-9	NORMAL	WT0984	OV	04/30/03	05/07/03	05/07/03	7	0	7
UG/KG	PCYS10Z904	WT0984-2	NORMAL	WT0984	OV	04/30/03	05/08/03	05/08/03	8	0	8
%	PCYS10Z906	WT0984-7	NORMAL	WT0984	OV	04/30/03	05/07/03	05/07/03	7	0	7
%	WG2222-BLANK	WG2222-2	P BLANK	WT0984	OV	/ /	05/07/03	05/07/03	0	0	0
%	WG2222-LCS	WG2222-1	LCS	WT0984	OV	/ /	05/07/03	05/07/03	0	0	0
UG/KG	WG2477-BLANK	WG2477-2	P BLANK	WT0984	OV	/ /	05/08/03	05/08/03	0	0	0
UG/KG	WG2477-LCS	WG2477-1	LCS	WT0984	OV	/ /	05/08/03	05/08/03	0	0	0
UG/L	PCYS10Z1404	WT0984-8RA	NORMAL	WT0984	TCLPS	04/30/03	05/06/03	05/30/03	6	24	30
UG/L	PCYS10Z506	WT0984-9	NORMAL	WT0984	TCLPS	04/30/03	05/06/03	05/28/03	6	22	28
UG/L	PCYS10Z906	WT0984-7	NORMAL	WT0984	TCLPS	04/30/03	05/06/03	05/28/03	6	22	28
UG/L	WG2202-BLANK	WG2202-1	P BLANK	WT0984	TCLPS	05/06/03	05/06/03	05/28/03	0	22	22
UG/L	WG2202-LCS	WG2202-2	LCS	WT0984	TCLPS	05/06/03	05/06/03	05/28/03	0	22	22
UG/L	WG2202-LCSD	WG2202-3	LCSD	WT0984	TCLPS	05/06/03	05/06/03	05/28/03	0	22	22
UG/L	PCYS10Z1404	WT0984-8	NORMAL	WT0984	TCLPV	04/30/03	05/07/03	05/07/03	7	0	7
UG/L	PCYS10Z506	WT0984-9	NORMAL	WT0984	TCLPV	04/30/03	05/07/03	05/07/03	7	0	7
UG/L	PCYS10Z906	WT0984-7	NORMAL	WT0984	TCLPV	04/30/03	05/07/03	05/07/03	7	0	7
UG/L	WG2222-BLANK	WG2222-2	P BLANK	WT0984	TCLPV	/ /	05/07/03	05/07/03	0	0	0
UG/L	WG2222-LCS	WG2222-1	LCS	WT0984	TCLPV	/ /	05/07/03	05/07/03	0	0	0
%	PCYS10Z1404	WT0984-4	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z1406	WT0984-5	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z306	WT0984-1	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z506	WT0984-6DUP	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z904	WT0984-2	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	PCYS10Z906	WT0984-3	NORMAL	WT0984	TS	04/30/03	05/02/03	05/05/03	2	3	5
%	WG2195-LCS	WG2195-LCS	LCS	WT0984	TS	05/02/03	05/02/03	05/05/03	0	3	3

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WT0984 **SOW No.** SW846

Client Field ID	Lab Sample ID
PCYS10Z1404	WT0984-004
PCYS10Z1406	WT0984-005
PCYS10Z306	WT0984-001
PCYS10Z306	WT0984-001P
PCYS10Z306	WT0984-001S
PCYS10Z506	WT0984-006
PCYS10Z904	WT0984-002
PCYS10Z906	WT0984-003

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: Emily Elatin Name: Emily Elatin

Date: May 28, 2003 Title: chemist

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: ICV

File: ATE05A May 05, 2003 11:04

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18051.32	90.3
ARSENIC	600.0	580.31	96.7
CADMIUM	1250.0	1199.85	96.0
CALCIUM	20000.0	19818.09	99.1
CHROMIUM	500.0	493.63	98.7
IRON	20000.0	20335.55	101.7
LEAD	550.0	541.21	98.4
MAGNESIUM	20000.0	20157.96	100.8

SAMPLE: CCV

File: ATE05A May 05, 2003 11:45

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47157.08	94.3
ARSENIC	1000.0	978.51	97.9
CADMIUM	1000.0	1009.42	100.9
CALCIUM	50000.0	49126.44	98.3
CHROMIUM	1000.0	993.67	99.4
IRON	20000.0	19749.35	98.7
LEAD	1000.0	978.79	97.9
MAGNESIUM	50000.0	49623.90	99.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: CCV

File: ATE05A May 05, 2003 13:05

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48029.18	96.1
ARSENIC	1000.0	1026.10	102.6
CADMIUM	1000.0	1066.98	106.7
CALCIUM	50000.0	52194.19	104.4
CHROMIUM	1000.0	1029.42	102.9
IRON	20000.0	20600.21	103.0
LEAD	1000.0	1034.83	103.5
MAGNESIUM	50000.0	51596.67	103.2

SAMPLE: CCV

File: ATE05A May 05, 2003 14:26

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47681.77	95.4
ARSENIC	1000.0	1049.60	105.0
CADMIUM	1000.0	1076.83	107.7
CALCIUM	50000.0	52556.29	105.1
CHROMIUM	1000.0	1025.28	102.5
IRON	20000.0	20617.36	103.1
LEAD	1000.0	1043.38	104.3
MAGNESIUM	50000.0	51415.71	102.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: CCV

File: ATE05A May 05, 2003 15:40

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	46401.16	92.8
ARSENIC	1000.0	1034.82	103.5
CADMIUM	1000.0	1056.47	105.6
CALCIUM	50000.0	51516.74	103.0
CHROMIUM	1000.0	1001.63	100.2
IRON	20000.0	20171.95	100.9
LEAD	1000.0	1026.53	102.7
MAGNESIUM	50000.0	50181.32	100.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: ICV

File: ATE05B May 05, 2003 17:11

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18342.33	91.7
ARSENIC	600.0	586.92	97.8
CADMIUM	1250.0	1191.70	95.3
CALCIUM	20000.0	19970.84	99.9
CHROMIUM	500.0	494.24	98.8
IRON	20000.0	20444.78	102.2
LEAD	550.0	539.58	98.1
MAGNESIUM	20000.0	20310.82	101.6

SAMPLE: CCV

File: ATE05B May 05, 2003 17:51

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49950.93	99.9
ARSENIC	1000.0	1044.30	104.4
CADMIUM	1000.0	1044.92	104.5
CALCIUM	50000.0	51935.01	103.9
CHROMIUM	1000.0	1034.32	103.4
IRON	20000.0	20713.60	103.6
LEAD	1000.0	1042.92	104.3
MAGNESIUM	50000.0	52184.18	104.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: CCV

File: ATE05B May 05, 2003 19:12

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49314.78	98.6
ARSENIC	1000.0	1025.79	102.6
CADMIUM	1000.0	1033.06	103.3
CALCIUM	50000.0	51504.15	103.0
CHROMIUM	1000.0	1023.09	102.3
IRON	20000.0	20449.91	102.2
LEAD	1000.0	1030.39	103.0
MAGNESIUM	50000.0	51759.31	103.5

SAMPLE: CCV

File: ATE05B May 05, 2003 20:32

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48320.80	96.6
ARSENIC	1000.0	1003.47	100.3
CADMIUM	1000.0	1018.39	101.8
CALCIUM	50000.0	50673.23	101.3
CHROMIUM	1000.0	1008.67	100.9
IRON	20000.0	20087.81	100.4
LEAD	1000.0	1008.58	100.9
MAGNESIUM	50000.0	51064.85	102.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: CCV

File: ATE05B May 05, 2003 21:52

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49675.21	99.4
ARSENIC	1000.0	1035.86	103.6
CADMIUM	1000.0	1036.28	103.6
CALCIUM	50000.0	51628.63	103.3
CHROMIUM	1000.0	1030.02	103.0
IRON	20000.0	20535.44	102.7
LEAD	1000.0	1034.25	103.4
MAGNESIUM	50000.0	52004.99	104.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: CRI

File: ATE05A May 05, 2003 11:25

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	20.91	104.6
CADMIUM	10.0	11.29	112.9
CHROMIUM	20.0	22.48	112.4
LEAD	6.0	6.02	100.3

SAMPLE: CRI

File: ATE05A May 05, 2003 15:20

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	22.92	114.6
CADMIUM	10.0	11.88	118.8
CHROMIUM	20.0	23.13	115.6
LEAD	6.0	7.11	118.5

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: CRI

File: ATE05B May 05, 2003 17:31

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	23.30	116.5
CADMIUM	10.0	11.43	114.3
CHROMIUM	20.0	22.44	112.2
LEAD	6.0	5.18	86.3

SAMPLE: CRI

File: ATE05B May 05, 2003 21:32

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	24.31	121.6
CADMIUM	10.0	11.46	114.6
CHROMIUM	20.0	22.60	113.0
LEAD	6.0	6.54	109.0

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

SAMPLE: PQL

File: ATE05A May 05, 2003 11:18 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	253.55	84.5
ARSENIC	8.0	8.20	102.5
CADMIUM	10.0	10.04	100.4
CALCIUM	50.0	60.37	120.7
CHROMIUM	15.0	16.33	108.9
IRON	100.0	97.77	97.8
LEAD	5.0	5.15	103.0
MAGNESIUM	50.0	61.56	123.1

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

SAMPLE: PQL

File: ATE05B May 05, 2003 17:25 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	255.52	85.2
ARSENIC	8.0	7.40	92.5
CADMIUM	10.0	9.87	98.7
CALCIUM	50.0	62.85	125.7
CHROMIUM	15.0	15.76	105.1
IRON	100.0	99.44	99.4
LEAD	5.0	4.33	86.6
MAGNESIUM	50.0	67.16	134.3

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: ICB

File: ATE05A May 05, 2003 11:11

Analyte	Result	C
ALUMINUM	-37.02	B
ARSENIC	1.80	U
CADMIUM	0.28	U
CALCIUM	12.99	B
CHROMIUM	0.57	U
IRON	9.31	U
LEAD	1.18	B
MAGNESIUM	4.08	U

SAMPLE: CCB

File: ATE05A May 05, 2003 11:51

Analyte	Result	C
ALUMINUM	25.60	B
ARSENIC	1.80	U
CADMIUM	0.28	U
CALCIUM	-8.75	B
CHROMIUM	0.57	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U

SAMPLE: CCB

File: ATE05A May 05, 2003 13:12

Analyte	Result	C
ALUMINUM	23.06	B
ARSENIC	1.80	U
CADMIUM	0.28	U
CALCIUM	-8.95	B
CHROMIUM	0.57	U
IRON	9.31	U
LEAD	1.08	B
MAGNESIUM	4.08	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: CCB

File: ATE05A May 05, 2003 14:33

Analyte	Result	C
ALUMINUM	122.17	B
ARSENIC	1.80	U
CADMIUM	0.28	U
CALCIUM	-36.40	B
CHROMIUM	0.57	U
IRON	9.31	U
LEAD	1.87	B
MAGNESIUM	4.08	U

SAMPLE: CCB

File: ATE05A May 05, 2003 15:48

Analyte	Result	C
ALUMINUM	132.71	B
ARSENIC	1.80	U
CADMIUM	0.28	U
CALCIUM	-41.92	B
CHROMIUM	0.57	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: ICB

File: ATE05B May 05, 2003 17:18

Analyte	Result	C
ALUMINUM	-29.19	B
ARSENIC	1.80	U
CADMIUM	0.28	U
CALCIUM	13.89	B
CHROMIUM	0.57	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U

SAMPLE: CCB

File: ATE05B May 05, 2003 17:58

Analyte	Result	C
ALUMINUM	8.84	B
ARSENIC	1.80	U
CADMIUM	0.28	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.08	U

SAMPLE: CCB

File: ATE05B May 05, 2003 19:18

Analyte	Result	C
ALUMINUM	8.17	U
ARSENIC	1.80	U
CADMIUM	0.28	U
CALCIUM	7.61	B
CHROMIUM	0.57	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	4.15	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: CCB

File: ATE05B May 05, 2003 20:39

Analyte	Result	C
ALUMINUM	8.17	U
ARSENIC	1.80	U
CADMIUM	0.28	U
CALCIUM	7.46	B
CHROMIUM	0.57	U
IRON	9.31	U
LEAD	0.96	B
MAGNESIUM	4.08	U

SAMPLE: CCB

File: ATE05B May 05, 2003 21:59

Analyte	Result	C
ALUMINUM	19.77	B
ARSENIC	1.80	U
CADMIUM	0.28	U
CALCIUM	7.06	U
CHROMIUM	0.57	U
IRON	9.31	U
LEAD	0.91	U
MAGNESIUM	5.39	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSTE021CS0

Matrix: SOIL **SDG Name:** WT0984

QC Batch ID: TE021CS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ARSENIC	0.180	U
CADMIUM	0.030	U
CHROMIUM	0.108	B
LEAD	0.090	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE05A May 05, 2003 11:31

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	496569	99.3
ARSENIC	0	2	
CADMIUM	0	2	
CALCIUM	500000	493711	98.7
CHROMIUM	0	1	
IRON	200000	199500	99.8
LEAD	5	1	
MAGNESIUM	500000	515671	103.1

SAMPLE: ICSAB

File: ATE05A May 05, 2003 11:38

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	496746	99.3
ARSENIC	100	99	99.0
CADMIUM	1000	923	92.3
CALCIUM	500000	481589	96.3
CHROMIUM	500	489	97.8
IRON	200000	196944	98.5
LEAD	54	51	94.4
MAGNESIUM	500000	508891	101.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE05A May 05, 2003 15:26

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	488063	97.6
ARSENIC	0	-2	
CADMIUM	0	-2	
CALCIUM	500000	519906	104.0
CHROMIUM	0	0	
IRON	200000	203737	101.9
LEAD	5	-1	
MAGNESIUM	500000	521886	104.4

SAMPLE: ICSAB

File: ATE05A May 05, 2003 15:33

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	480987	96.2
ARSENIC	100	108	108.0
CADMIUM	1000	969	96.9
CALCIUM	500000	518288	103.7
CHROMIUM	500	491	98.2
IRON	200000	202450	101.2
LEAD	54	53	98.1
MAGNESIUM	500000	514398	102.9

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE05B May 05, 2003 17:38

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	510875	102.2
ARSENIC	0	-1	
CADMIUM	0	3	
CALCIUM	500000	497219	99.4
CHROMIUM	0	0	
IRON	200000	200406	100.2
LEAD	5	4	
MAGNESIUM	500000	523631	104.7

SAMPLE: ICSAB

File: ATE05B May 05, 2003 17:45

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	504847	101.0
ARSENIC	100	99	99.0
CADMIUM	1000	923	92.3
CALCIUM	500000	498829	99.8
CHROMIUM	500	490	98.0
IRON	200000	199787	99.9
LEAD	54	55	101.9
MAGNESIUM	500000	519149	103.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Concentration Units: ug/L

SAMPLE: ICSA

File: ATE05B May 05, 2003 21:39

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	532268	106.5
ARSENIC	0	-2	
CADMIUM	0	0	
CALCIUM	500000	529322	105.9
CHROMIUM	0	0	
IRON	200000	211739	105.9
LEAD	5	4	
MAGNESIUM	500000	552825	110.6

SAMPLE: ICSAB

File: ATE05B May 05, 2003 21:45

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	516397	103.3
ARSENIC	100	100	100.0
CADMIUM	1000	938	93.8
CALCIUM	500000	507479	101.5
CHROMIUM	500	501	100.2
IRON	200000	203590	101.8
LEAD	54	56	103.7
MAGNESIUM	500000	531341	106.3

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Percent Solids: 87.2

Client Field ID: PCYS10Z306S

SDG Name: WT0984

Lab Sample ID: WT0984-001P

Concentration Units : mg/Kg

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Control Limits (%R) Low	High	M
ARSENIC	51.1014		0.2397	B	49.83	102.1		75	125	P
CADMIUM	25.1072		0.0452	B	24.91	100.6		75	125	P
CHROMIUM	21.8973		1.3269	B	19.93	103.2		75	125	P
LEAD	54.8116		2.6569		49.83	104.7		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Percent Solids: 87.2

Client Field ID: PCYS10Z306S

SDG Name: WT0984

Lab Sample ID: WT0984-001S

Concentration Units : mg/Kg

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC	46.6966		0.2397	B	44.77	103.8		75	125	P
CADMIUM	23.0318		0.0452	B	22.38	102.7		75	125	P
CHROMIUM	20.1103		1.3269	B	17.91	104.9		75	125	P
LEAD	50.0309		2.6569		44.77	105.8		75	125	P

Comments:

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Percent Solids: 87.2

Client Field ID: PCYS10Z306

SDG Name: WT0984

Lab Sample ID: WT0984-001

Concentration Units : mg/Kg

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ARSENIC		46.6966		51.1014		9.0		P
CADMIUM		23.0318		25.1072		8.6		P
CHROMIUM		20.1103		21.8973		8.5		P
LEAD		50.0309		54.8116		9.1		P

Comments:

FORM VD - IN

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSSTE02ICS0

Matrix: SOIL **SDG Name:** WT0984

QC Batch ID: TE02ICS0

Concentration Units : mg/Kg

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	192.0	229.25	119.4	79	121
CADMIUM	125.0	148.09	118.5	81	119
CHROMIUM	133.0	158.77	119.4	76	123
LEAD	160.0	187.91	117.4	78	122

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: PCYS10Z306L

SDG Name: WT0984

Lab Sample ID: WT0984-001L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
ARSENIC	2.28	B	4.54	U	100.0		P
CADMIUM	0.43	B	0.54	U	100.0		P
CHROMIUM	12.62	B	11.42	B	9.5		P
LEAD	25.27		21.25	B	15.9		P

FORM IX - IN

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/2/03

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ARSENIC	8.0	1.80	P
CADMIUM	10	0.28	P
CHROMIUM	15	0.57	P
LEAD	5.0	0.91	P

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Instrument Name: TJA TRACE ICP **Date:** 1/29/03

Instrument ID: A

Analyte	Wavelength (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Co	Cr	Cu	Mo	Ni	Ti	V
ALUMINUM	308.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0130730	0.0	0.0	0.0227660
ANTIMONY	206.84	0.0	0.0	0.0000270	0.0	0.0	0.0101040	0.0	-0.0062900	-0.0009100	0.0010620	-0.0070700
ARSENIC	189.04	0.0000070	0.0	-0.0000200	0.0	0.0	0.0003270	0.0	0.0009790	0.0	0.0	0.0
BARIUM	493.41	0.0000040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002260
BORON	249.68	0.0	0.0	0.0	0.0	0.0009360	0.0007170	0.0	0.0	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0000750	0.0	0.0	0.0	0.0	0.0	0.0	-0.0002500	0.0
CALCIUM	317.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COBALT	228.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0023750	0.0
COPPER	324.75	0.0000020	0.0	-0.0000500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IRON	271.44	-0.0001100	0.0	0.0	-0.0001600	0.0870110	0.0023680	0.0	0.0001690	0.0	0.0	0.0123750
LEAD	220.35	0.0002430	0.0	0.0000830	0.0000030	-0.0004000	0.0001720	0.0	-0.0006800	0.0004370	-0.0001200	-0.0002200
MAGNESIUM	279.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0001700	0.0	0.0	0.0
MANGANESE	257.61	0.0000140	0.0	0.0000100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NICKEL	231.60	0.0000010	0.0	0.0	0.0	-0.0003400	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.03	-0.0000010	0.0	-0.0002500	0.0	0.0000690	0.0	-0.0001300	0.0	0.0	0.0	-0.0002400
SILVER	328.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THALLIUM	190.86	0.0	0.0	-0.0000500	0.0000010	0.0025030	0.0003660	0.0	-0.0006700	0.0	-0.0012600	0.0015320
VANADIUM	292.40	0.0	0.0	0.0000330	0.0	0.0	0.0	0.0	-0.0007300	0.0	0.0007320	0.0
ZINC	213.86	0.0000290	0.0	0.0000900	0.0	0.0	0.0023200	0.0003340	0.0	0.0044770	0.0	0.0

FORM XI - IN

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 1/17/03

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	15.00	500000	P
ARSENIC	15.00	10000	P
CADMIUM	15.00	10000	P
CALCIUM	15.00	500000	P
CHROMIUM	15.00	10000	P
IRON	15.00	250000	P
LEAD	15.00	10000	P
MAGNESIUM	15.00	500000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** TE02ICS0

Matrix: SOIL **SDG Name:** WT0984

Method: P **Prep Date:** 05/02/2003

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSSTE02ICS0	LCSSTE02ICS0	0.5	0.1
PBSTE02ICS0	PBSTE02ICS0	1	0.1
PCYS10Z306	WT0984-001	1.09	0.1
PCYS10Z306P	WT0984-001P	1.15	0.1
PCYS10Z306S	WT0984-001S	1.28	0.1
PCYS10Z904	WT0984-002	1.25	0.1
PCYS10Z906	WT0984-003	1.37	0.1
PCYS10Z1404	WT0984-004	1.14	0.1
PCYS10Z1406	WT0984-005	1.38	0.1
PCYS10Z506	WT0984-006	1.23	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Instrument ID: TJA TRACE ICP **File Name:** ATE05A

Date: 5/5/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
S0		1	10:21	Al As Cd Ca Cr Fe Pb Mg
S1		1	10:28	Al As Cd Ca Cr Fe Pb Mg
AL IEC		1	10:38	Al As Cd Ca Cr Fe Pb Mg
FE IEC		1	10:44	Al As Cd Ca Cr Fe Pb Mg
MN IEC		1	10:51	Al As Cd Ca Cr Fe Pb Mg
IEC		1	10:58	Al As Cd Ca Cr Fe Pb Mg
ICV		1	11:04	Al As Cd Ca Cr Fe Pb Mg
ICB		1	11:11	Al As Cd Ca Cr Fe Pb Mg
PQL		1	11:18	Al As Cd Ca Cr Fe Pb Mg
CRI		1	11:25	Al As Cd Ca Cr Fe Pb Mg
ICSA		1	11:31	Al As Cd Ca Cr Fe Pb Mg
ICSAB		1	11:38	Al As Cd Ca Cr Fe Pb Mg
CCV		1	11:45	Al As Cd Ca Cr Fe Pb Mg
CCB		1	11:51	Al As Cd Ca Cr Fe Pb Mg
ZZZZZZ		1	11:58	
ZZZZZZ		1	12:05	
ZZZZZZ		2	12:11	
ZZZZZZ		2	12:18	
ZZZZZZ		2	12:25	
ZZZZZZ		1	12:31	
ZZZZZZ		1	12:38	
ZZZZZZ		1	12:45	
ZZZZZZ		1	12:51	
ZZZZZZ		1	12:58	
CCV		1	13:05	Al As Cd Ca Cr Fe Pb Mg
CCB		1	13:12	Al As Cd Ca Cr Fe Pb Mg
ZZZZZZ		1	13:18	
ZZZZZZ		1	13:25	
ZZZZZZ		1	13:32	
ZZZZZZ		1	13:38	
ZZZZZZ		1	13:46	
PBSTE02ICS0		1	13:53	As Cd Cr Pb
LCSSTE02ICS0		1	13:59	As Cd Cr Pb
ZZZZZZ		1	14:06	
ZZZZZZ		1	14:13	
ZZZZZZ		1	14:20	
CCV		1	14:26	Al As Cd Ca Cr Fe Pb Mg
CCB		1	14:33	Al As Cd Ca Cr Fe Pb Mg
ZZZZZZ		1	14:40	
ZZZZZZ		2	14:46	
ZZZZZZ		2	14:53	
ZZZZZZ		2	15:00	
ZZZZZZ		1	15:06	
ZZZZZZ		1	15:13	
CRI		1	15:20	Al As Cd Ca Cr Fe Pb Mg
ICSA		1	15:26	Al As Cd Ca Cr Fe Pb Mg
ICSAB		1	15:33	Al As Cd Ca Cr Fe Pb Mg
CCV		1	15:40	Al As Cd Ca Cr Fe Pb Mg
CCB		1	15:48	Al As Cd Ca Cr Fe Pb Mg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WT0984

Instrument ID: TJA TRACE ICP **File Name:** ATE05B

Date: 5/5/03 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
S0		1	16:28	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
S1		1	16:35	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
AL_IEC		1	16:44	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
FE_IEC		1	16:51	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
MN_IEC		1	16:58	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
IEC		1	17:05	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
ICV		1	17:11	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
ICB		1	17:18	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
PQL		1	17:25	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
CRI		1	17:31	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
ICSA		1	17:38	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
ICSAB		1	17:45	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
CCV		1	17:51	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
CCB		1	17:58	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
ZZZZZZ		1	18:05									
ZZZZZZ		1	18:12									
ZZZZZZ		1	18:18									
ZZZZZZ		5	18:25									
ZZZZZZ		1	18:32									
ZZZZZZ		5	18:38									
ZZZZZZ		1	18:45									
ZZZZZZ		1	18:52									
ZZZZZZ		1	18:58									
ZZZZZZ		5	19:05									
CCV		1	19:12	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
CCB		1	19:18	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
ZZZZZZ		1	19:25									
ZZZZZZ		1	19:32									
ZZZZZZ		1	19:38									
ZZZZZZ		1	19:45									
ZZZZZZ		1	19:52									
WT0984-001	PCYS10Z306	1	19:58		As	Cd		Cr		Pb		
WT0984-001L	PCYS10Z306L	5	20:05		As	Cd		Cr		Pb		
WT0984-001P	PCYS10Z306P	1	20:12		As	Cd		Cr		Pb		
WT0984-001S	PCYS10Z306S	1	20:18		As	Cd		Cr		Pb		
WT0984-002	PCYS10Z904	1	20:25		As	Cd		Cr		Pb		
CCV		1	20:32	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
CCB		1	20:39	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
WT0984-003	PCYS10Z906	1	20:45		As	Cd		Cr		Pb		
WT0984-004	PCYS10Z1404	1	20:52		As	Cd		Cr		Pb		
WT0984-005	PCYS10Z1406	1	20:59		As	Cd		Cr		Pb		
WT0984-006	PCYS10Z506	1	21:05		As	Cd		Cr		Pb		
ZZZZZZ		1	21:12									
ZZZZZZ		1	21:19									
ZZZZZZ		1	21:25									
CRI		1	21:32	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
ICSA		1	21:39	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
ICSAB		1	21:45	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
CCV		1	21:52	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	
CCB		1	21:59	Al	As	Cd	Ca	Cr	Fe	Pb	Mg	

FORM XIV - IN

Metals Sample Calculation.

Sample: PCY S 10Z 1404
Result: 2.5 mg/Kg Chromium

Chromium
Average Response for PCYS10Z1404: 0.02407

$$Conc = 0.02407 * \left(\frac{Volume}{Sample\ wt}\right)\left(\frac{100}{(100-M)}\right)$$

$$Conc = 0.02407 * \left(\frac{100\,mL}{1.14g}\right)\left(\frac{100}{(100-15.9)}\right)$$

$$Conc = 0.02407 * \left(\frac{100\,mL}{1.14g} \times \frac{1\,L}{1000\,mL} \times \frac{1000\,g}{1\,Kg}\right)\left(\frac{100}{(100-15.9)}\right)$$

$$Conc = 0.02407 * (87.71929825) * (1.18906042)$$

$$Conc = 2.51\ mg/Kg \approx 2.5\ mg/Kg$$

Appendix F

Field Data Log Forms

(See attached CD)

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM0250 1
Sample Location: PCY-13-MW-025
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 15 May 03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Time: 0955								
Method: peristaltic	Clear	5.58	0.092	24.44	17.1	2.78	223	100

PURGE DATA:

Horiba/LaMott

Date: 15 May 03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	0.5	5.60	0.101	24.58	41.7/	3.74	223	100 ml/l/min
Monitor Reading (ppm): NA	1.0	5.64	0.110	24.49	22.6/	4.09	221	100
Well Casing Diameter & Material	1.5	5.60	0.103	24.47	17.4/	2.88	222	100
Type: PVC 2 inch ID	2.0	5.58	0.092	24.44	17.1/	2.78	223	100
Total Well Depth (TD): 14.35								
Static Water Level (WL): 6.66								
One Casing Volume(gal/L): 4.76								
Start Purge (hrs): 0930								
End Purge (hrs): 0950								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 2.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X 1 liter	
Dissolved gases - RSK 147/175		2 x 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml plastic	
Total Organic Carbon - EPA 415.1		2 x 40 ml	
		Flowcell 350 ml x .7 ml/ft tubing	

OBSERVATIONS / NOTES:

Dissolved Oxygen 3 mg/l

Ferrous Iron 0 mg/l

Alkalinity 20 mg/l

Hydrogen Sulfide 0 mg/l

Carbon Dioxide 40 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R McC

Tetra Tech NUS, inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM020 1
Sample Location: PCY-13-MW-2
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Date: 15 May 03								
Time: 1105								
Method: peristaltic	Clear	5.13	0.065	23.70	235/6.0	2.79	271	100

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 15 May 03								
Method: peristaltic	1.0	5.10	0.067	23.98	43.5	4.25	260	100
Monitor Reading (ppm): NA	2.0	5.02	0.061	23.71	32	2.82	273	100
Well Casing Diameter & Material	3.0	4.99	0.060	23.64	29.9	2.78	278	100
Type: PVC 2 inch ID	4.0	5.13	0.065	23.70	23.5/6.0	2.79	271	100
Total Well Depth (TD): 26.60								
Static Water Level (WL): 6.89								
One Casing Volume(gal/L): 12.2								
Start Purge (hrs): 1030								
End Purge (hrs): 1100								
Total Purge Time (min): 30								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X 1 liter	
Dissolved gases - RSK 147/175		2 x 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml plastic	
Total Organic Carbon - EPA 415.1		2 x 40 ml	
		Flow Cell .375 ml x .7 m x 26	

OBSERVATIONS / NOTES:

Dissolved Oxygen 2 mg/l
Ferrous Iron 0 mg/l
Alkalinity 20 mg/l
Hydrogen Sulfide 0 mg/l
Carbon Dioxide 45 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM02D02
Sample Location: PCY-13-MW-2D
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA: Horiba Lamott

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Date: 15 May 03								
Time: LWS A ~~0955~~ 1010								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 15 May 03								
Method: peristaltic	1.0	5.54	0.000	24.66	221.0	9.16	127	100
Monitor Reading (ppm): NA	1.5	5.54	0.000	24.64	240	9.36	134	100
Well Casing Diameter & Material	2.0	5.42	0.000	24.69	190	9.22	139	100
Type: PVC 2 inch ID	2.5	4.89	0.095	24.44	6.5	4.28	~~223~~ 162	100
Total Well Depth (TD): 61.5	3.0	4.78	0.093	24.44	2.9	3.10	118	100
Static Water Level (WL): 8.30	4.0	4.77	0.092	24.49	2.7	3.07	108	100
One Casing Volume(gal/L): 32.9								
Start Purge (hrs): 0930								
End Purge (hrs): 1005 ~~0950~~								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X 1 liter	
Dissolved gases - RSK 147/175		2 x 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml plastic	
Total Organic Carbon - EPA 415.1		2 x 40 ml	
		350 ml / Cell + 7 ml/ft	

OBSERVATIONS / NOTES:

Dissolved Oxygen 3.0 mg/l

Ferrous Iron 1 mg/l

Alkalinity 20 mg/l

Hydrogen Sulfide 0 mg/l

Carbon Dioxide 50 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McGee

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 130LM03D02
Sample Location: PC4-13-3D
Sampled By: WDO/GG
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/15/03								
Time: 1005								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5-15/03								
Method: peristaltic	INIT	4.68	0.122	25.37	310	2.12	163	275ml/min
Monitor Reading (ppm):	0.5	4.44	0.113	25.07	13	0.66	174	
Well Casing Diameter & Material	0.75	4.44	0.112	25.04	10	0.56	158	
Type: 2" PVC	1.0	4.44	0.113	25.05	7.5	0.52	144	
Total Well Depth (TD): 64.01								
Static Water Level (WL): 10.22								
One Casing Volume (gal/L): 8.61								
Start Purge (hrs): 0945								
End Purge (hrs): 1005								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 1.0								

391
64.01
10.22
53.29
2
5.38
2.
8.61

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

Dissolved Oxygen 1.0 mg/l

Ferrous Iron 1.2 mg/l

Alkalinity Ø/Ø mg/l

Hydrogen Sulfide Ø mg/l

Carbon Dioxide 72 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Wade D. Oker

EQ VOL = 830ml

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM04502
Sample Location: PCY-13-4S
Sampled By:
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity 4-22NTU LAM	DO mg/l	ORP mV	Rate l/min
Date: 16 May 03								
Time: 0845								
Method: peristaltic	clear	6.12	0.126	24.43	5.4	5.00	56	100

PURGE DATA: Horiba / LAMOTTE

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 16 May 03								
Method: peristaltic	0.5	6.08	0.117	24.34	27.7	5.33	30	100
Monitor Reading (ppm): NA	1.0	6.10	0.118	24.36	/45	3.64	47	100
Well Casing Diameter & Material	1.5	6.11	0.118	24.36	29.0/14	4.57	55	100
Type: PVC 2 inch ID	2.0	6.12	0.126	24.43	11.3/5.4	5.00	56	100
Total Well Depth (TD): 16.2								
Static Water Level (WL): 9.00								
One Casing Volume(gal/L):								
Start Purge (hrs): 0820								
End Purge (hrs): 0840								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 2.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X 1 liter	✓
Dissolved gases - RSK 147/175		2 x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	✓
Total Organic Carbon - EPA 415.1		2 x 40 ml	✓
		Flowell 375 ml x .7 ml / Ft Tube	

OBSERVATIONS / NOTES:

Dissolved Oxygen 3 mg/l

Ferrous Iron 0 mg/l

Alkalinity 40 mg/l

Hydrogen Sulfide 0 mg/l

Carbon Dioxide 35 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

5

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GML04I02
Sample Location: PCY-13-4I
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 16 May 03								
Time: 1030								
Method: peristaltic	clear	5.45	0.080	24.58	43	0.72	-10	100

PURGE DATA: Horiba/LaMotte

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 16 May 03								
Method: peristaltic	1.0	5.51	0.082	24.48	39.3/	3.03	-2	100
Monitor Reading (ppm): NA	1.5	5.48	0.081	24.53	47.6/6.1	0.98	-7	100
Well Casing Diameter & Material	2.0	5.45	0.080	24.58	68.1/4.3	0.72	-10	100
Type: PVC 2 inch ID								
Total Well Depth (TD): 24.0								
Static Water Level (WL): 9.62								
One Casing Volume(gal/L):								
Start Purge (hrs): 1005								
End Purge (hrs): 1025								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 2.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X 1 liter	✓
Dissolved gases - RSK 147/175		2x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml plastic	✓
Total Organic Carbon - EPA 415.1		2x40 ml	✓
		Flow Cell 375 ml x 0.7 ml/ft Tubing	

OBSERVATIONS / NOTES:

Dissolved Oxygen 1 mg/l

Ferrous Iron 3.4 mg/l

Alkalinity 20 mg/l

Hydrogen Sulfide ST 20 mg/l

Carbon Dioxide 60 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM05S02
Sample Location: PCY-13-MW-5S
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 15 May 03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Time: 1510								
Method: peristaltic								

PURGE DATA:

Date: 15 May 03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	0.5	5.93	0.060	24.65	99.5/32	5.81	121	100
Monitor Reading (ppm): NA	1.0	5.86	0.059	24.79	~~43~~/19	5.39	135	100
Well Casing Diameter & Material	1.5	5.82	0.059	25.06	25.1/14	5.29	139	100
Type: 2" PVC	2.0	5.91	0.059	25.03	24.2 12	5.39	150	100
Total Well Depth (TD): 15.7								
Static Water Level (WL): 7.9								
One Casing Volume(gal/L): 4.83								
Start Purge (hrs): 1445								
End Purge (hrs): 1505								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 2.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml	✓
Dissolved gases - RSK 147/175		2x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	✓
Total Organic Carbon - EPA 415.1		2x 40 ml	✓
		Flow Thru Cell = 375 ml	
		Tubing = 7ml/ft x 17ft = 119 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen 3 mg/l
Ferrous Iron 0 mg/l
Alkalinity 20 mg/l
Hydrogen Sulfide 0 mg/l
Carbon Dioxide 35 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM05I02
Sample Location: PCY-13-5I
Sampled By: SRM / LWS
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/15/03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Time: 1510								
Method: peristaltic								

PURGE DATA:

Date: 5/15/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	1.0	5.10	0.044	23.86	311.0/140	0.34	111	100
Monitor Reading (ppm): N/A	1.5	5.11	0.044	24.16	205/70	1.66	99	100
Well Casing Diameter & Material	2.0	5.10	0.045	24.28	127/32	1.47	94	100
Type: 2" PVC	2.5	5.05	0.045	24.56	59.9/19	0.00	88	100
Total Well Depth (TD): LWS 53.4 ~~8.11~~								
Static Water Level (WL): 8.11 ~~8.25~~ LWS								
One Casing Volume(gal/L): 28.0								
Start Purge (hrs): 1440								
End Purge (hrs): 1505								
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 2.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml Poly	✓
Dissolved gases - RSK 147/175		2 x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	✓
Total Organic Carbon - EPA 415.1		2 x 40 ml	✓
		Flow Thru Cell = 375 ml	
		Tubing = 7 ml/ft x 55 ft = 385 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.3 mg/l

Ferrous Iron 3.4 mg/l

Alkalinity 20 mg/l

Hydrogen Sulfide 0 mg/l

Carbon Dioxide 40 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McGr

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM06502
Sample Location: PCY-13-MW-06S
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 16 May 03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Time: 1200								
Method: peristaltic								

PURGE DATA: Horiba/La Motte

Date: 16 May 03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	0.5	5.53	0.105	23.12	52.6	4.00	38	200
Monitor Reading (ppm): NA	1.0	5.66	0.102	23.67	3.3	3.55	41	200
Well Casing Diameter & Material	1.5	5.49	0.106	23.68	26.4/	2.93	41	150
Type: PVC 2inch ID	2.0	5.44	0.107	23.55	2.81/9.5	2.53	29	100
Total Well Depth (TD): 12.1	2.5	5.42	0.107	23.54	14.5/9.5	2.52	18	100
Static Water Level (WL): 3.57								
One Casing Volume(gal/L):								
Start Purge (hrs): 1135								
End Purge (hrs): 1158								
Total Purge Time (min): 23								
Total Vol. Purged (gal/L): 2.3								

1 79

3.57
12.1

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X 1 liter	✓
Dissolved gases - RSK 147/175		2 x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	✓
Total Organic Carbon - EPA 415.1		2 x 40 ml	✓
		Flowcell 375 ml x 0.7 ml/ft	

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.4 mg/l
Ferrous Iron 1 mg/l
Alkalinity 20 mg/l
Hydrogen Sulfide 0 mg/l
Carbon Dioxide 45 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM06I02
Sample Location: PCY-13-MW-06I
Sampled By: SRM/LWJ
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 16 May 03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Time: 1215								
Method: peristaltic	Clear	5.06	0.084	23.71	19.0	0.61	1	100

PURGE DATA:

Date: 16 May 03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	1.0	5.12	0.085	~~94.1~~ 23.83	94.1/50	1.32	18	100
Monitor Reading (ppm): NA	1.5	5.11	0.085	~~23.88~~ 23.41	84.5/45	1.01	12	100
Well Casing Diameter & Material	2.0	5.11	0.085	23.75	66.0/37	0.79	6	100
Type: PVC 2 inch ID	~~3.0 2.5~~	5.09	0.085	23.73	58.1/27	0.72	3	100
Total Well Depth (TD): 42.7	~~4.0 3.0~~	5.06	0.084	23.71	41.7/19	0.61	1	100
Static Water Level (WL): 2.79								
One Casing Volume(gal/L):								
Start Purge (hrs): 1130								
End Purge (hrs): 1210								
Total Purge Time (min): 40								
Total Vol. Purged (gal/L): 4.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X 1 liter	✓
Dissolved gases - RSK 147/175		2 x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml plastic	✓
Total Organic Carbon - EPA 415.1		2 x 40 ml	✓
		Flow Cell 375 ml / x 0.7 ml/ft	

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.4 mg/l
Ferrous Iron 0 mg/l
Alkalinity 50 mg/l
Hydrogen Sulfide 0 mg/l
Carbon Dioxide 40 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:
NA	13GLM06I02D

Signature(s): Scott R. McGee

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLMD7I02
Sample Location: PCY-13-7I
Sampled By:
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/19/03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Time: 1425								
Method: peristaltic	Clear	4.74	0.065	22.91	9.5	1.31	91	400

PURGE DATA: U-22/ LAMOTTE

Date: 5/19/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	1.0	4.87	0.066	22.89	28.8/15	2.79	89	400/200
Monitor Reading (ppm): N/A	1.5	4.79	0.065	22.76	18.2/	1.81	89	~~400~~/200
Well Casing Diameter & Material	2.0	4.74	0.065	22.78	14.7	1.51	92	SW ~~400~~/200
Type: 2" PVC	2.5	4.74	0.065	22.91	9.5	1.31	91	~~400~~/200
Total Well Depth (TD): 52.90								
Static Water Level (WL): 6.00								
One Casing Volume(~~gal~~/L): 29.0								
Start Purge (hrs): 1410								
End Purge (hrs): 1425								
Total Purge Time (min): 15								
Total Vol. Purged (~~gal~~/L): 8.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml Poly	✓
Dissolved gases - RSK 147/175		2 x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml Poly	✓
Total Organic Carbon - EPA 415.1		2 x 40 ml	✓
		Flow Thru cell - 375 ml	
		Tubing = 7ml/ft x 50ft = 350 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 1.0 mg/l

Ferrous Iron: 2 mg/l

Alkalinity: 20 mg/l

Hydrogen Sulfide: 0 mg/l

Carbon Dioxide: 0 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM08502
Sample Location: PCy-13-BS
Sampled By: WDO/GG
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/16/03								
Time: 0835								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/16/03								
Method: peristaltic	IN IT	5.43	0.119	20.52	4.7	2.88	-94	400 ml/min
Monitor Reading (ppm):	1 gal	5.20	0.099	20.46	1.6	0.67	-94	
Well Casing Diameter & Material	1.5 gal	5.13	0.094	20.51	1.3	0.58	-90	
Type: 2" PVC	2 gal	5.11	0.093	20.54	1.5	0.51	-89	
Total Well Depth (TD): 16.66	2.5 gal	5.08	0.092	20.57	1.1	0.44	-88	
Static Water Level (WL): 5.63								
One Casing Volume(gal/L): 1.76								
Start Purge (hrs): 0810								
End Purge (hrs): 0835								
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 2.5								

11.03
1.10
.55
.11
1.76

16.66
5.63
11.03

1.10
.55
.11
1.76

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCl	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCl		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.8 mg/l

E.V. = 520ml

Ferrous Iron 0.8 mg/l

Alkalinity 0/15 mg/l

Hydrogen Sulfide 0.21 mg/l

Carbon Dioxide 46 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Matt D. Olson

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GWM08I02
Sample Location: PC4-13-8I
Sampled By: WDO/LG
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/16/03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Time: 0945								
Method: peristaltic								

PURGE DATA:

Date: 5/16/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	INIT	5.99	0.144	21.75	10	2.62	-48	300 ml/min
Monitor Reading (ppm):	1/2 gal	6.17	0.144	21.66	11	0.59	-105	
Well Casing Diameter & Material	1 gal	6.10	0.149	21.70	12	0.44	-130	
Type: 2" PVC	1.5 gal	6.03	0.186	21.67	8.5	0.39	-149	
Total Well Depth (TD): 47.72	2 gal	5.99	0.177	21.71	7.5	0.36	-152	
Static Water Level (WL): 8.43	2.5 gal	5.99	0.144	21.70	6.3	0.36	-160	
One Casing Volume(gal/L):								
Start Purge (hrs): 0910								
End Purge (hrs): 0940								
Total Purge Time (min): 30								
Total Vol. Purged (gal/L): 2.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.6 mg/l

Ferrous Iron 0.4 mg/l

Alkalinity 0/25 mg/l

Hydrogen Sulfide 0.106 mg/l

Carbon Dioxide 44 mg/L

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Matt D. Olson

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GCM09802
Sample Location: PCY-13-MW-9S
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 15 May 03
Time: 1250
Method: peristaltic

Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate M/min
Clear/Tan	5.92	0.221	24.66	0.4	3.89	-100	

PURGE DATA:

Date: 15 May 03
Method: peristaltic
Monitor Reading (ppm): NA
Well Casing Diameter & Material Type: 2" PVC
Total Well Depth (TD): 17.85
Static Water Level (WL): 9.60
One Casing Volume(gal/L): 5.11
Start Purge (hrs): 1215
End Purge (hrs): 1245
Total Purge Time (min): 30
Total Vol. Purged (gal/L): 2.5

Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
0.5	5.98	0.213	24.54	67.4/	4.49	14	100
1.0	5.96	0.211	24.48	41.0/32.5	3.45	16	100
1.5	5.94	0.215	24.75	7.0	3.95	-81	100
2.0	5.92	0.221	24.66	0.4	3.89	-100	100

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml Poly	
Dissolved gases - RSK 147/175		2 x 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	
Total Organic Carbon - EPA 415.1		2 x 40 ml	
		Flow Thru Cell = 3~~2~~ ml	
		Tubing = 7ml/ft x 20ft = 140 ml	

9.60
17.85

OBSERVATIONS / NOTES:

Dissolved Oxygen 1 mg/l
Ferrous Iron 2.0 mg/l
Alkalinity 20 mg/l
Hydrogen Sulfide 2.0 mg/l
Carbon Dioxide 100 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s): Scott R Mc

9.83
48.45

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLMO9I02
Sample Location: PCY-13-MW-9I
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Date: 15 May 03								
Time: 1235								
Method: peristaltic	Clear	4.56	0.087	24.46	11.4	0.00	123	100

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 15 May 03								
Method: peristaltic	1.0	4.50	0.088	24.06	41.3/8.39	4.84	138	100
Monitor Reading (ppm): NA	1.5	4.54	0.087	24.32	36.5/11.6	3.60	136	100
Well Casing Diameter & Material	2.0	4.56	0.087	24.46	36.0/11.4	0.00	123	100
Type: 2" PVC	~~2.5~~	~~5.94~~	~~0.215~~	~~24.75~~	~~7.0~~	~~3.93~~	~~-81~~	~~100~~
Total Well Depth (TD): 48.45	~~2.5~~							
Static Water Level (WL): 9.83								
One Casing Volume(gal/L): 23.9								
Start Purge (hrs): 1210								
End Purge (hrs): 1230								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 2.0								

LWS 15MAY03

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml Poly	
Dissolved gases - RSK 147/175		2 x 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml Poly	
Total Organic Carbon - EPA 415.1		2 x 40 ml	
		Flow Thru Cell - 375 ml	
		Tubing - 7 ml/ft x 50 ft = 350 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen 1 mg/l

Ferrous Iron 1.8 mg/l

Alkalinity 20 mg/l

Hydrogen Sulfide 0 mg/l

Carbon Dioxide 50 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM10S02
Sample Location: PC4-13-105
Sampled By: WDO
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/15/03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Time: 1110								
Method: peristaltic								

PURGE DATA:

Date: 5/15/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	INIT	5.67	0.119	25.05	220	3.01	-147	200ml/min
Monitor Reading (ppm):	1 l	5.53	0.123	24.92	9.8	0.79	-152	
Well Casing Diameter & Material	1.5 l	5.54	0.145	24.84	5.8	0.64	-158	
Type: 3/4" PVC	2 l	5.54	0.128	24.83	4.4	0.60	-163	
Total Well Depth (TD): 19.98								
Static Water Level (WL): 7.51								
One Casing Volume(gal/L):								
Start Purge (hrs): 1058								
End Purge (hrs): 1110								
Total Purge Time (min): 12								
Total Vol. Purged (gal/L): 2								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H2SO4		

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.2 mg/l

Ferrous Iron 3.8 mg/l

Alkalinity 0/40 mg/l

Hydrogen Sulfide 0.38 mg/l

Carbon Dioxide 95 mg/l

Eq Vol = 600 ml

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Walter D. Olson

19.98

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GKM10I02
Sample Location: PC4-13-10I
Sampled By: WDO/CG
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/15/03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Time: 1246								
Method: peristaltic								

PURGE DATA:

Date: 5/15/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	INIT	4.90	0.112	25.63	21	2.34	84	400ml/min
Monitor Reading (ppm):	1 l	4.70	0.125	25.42	4.1	2.30	140	
Well Casing Diameter & Material	2 l	4.69	0.108	25.29	1.6	2.02	156	
Type: 3/4" PVC	3 l	4.68	0.107	25.44	0.50	1.18	171	
Total Well Depth (TD): 34.25	4 l	4.68	0.107	25.28	0.35	0.88	177	
Static Water Level (WL): 6.76	5 l	4.67	0.107	25.12	0.65	0.75	181	
One Casing Volume(gal/L):	7 l	4.67	0.107	25.18	1.3	0.67	183	
Start Purge (hrs): 1215								
End Purge (hrs): 1235								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L) 7								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

Dissolved Oxygen 1.0 mg/l

Ferrous Iron 0.0 mg/l

Alkalinity Ø/15 mg/l

Hydrogen Sulfide Ø mg/l

Carbon Dioxide 56 mg/l

Eq vol = 650 ml

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Walter D. Olson

7-51 1298

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GWM11502
Sample Location: PC4-13-115
Sampled By: WRO/CG
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/15/03								
Time: 1530								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/15/03								
Method: peristaltic	1W IT	6.21	0.164	26.04	120	3.25	-36	400 ml/min
Monitor Reading (ppm): —	1 l	6.23	0.163	25.59	22	0.65	-83	
Well Casing Diameter & Material Type: 3/4" PVC	2 l	6.22	0.162	25.48	7.8	0.55	-100	
	3 l	6.22	0.161	25.46	3.8	0.54	-106	
Total Well Depth (TD): 14.12	4 l	6.22	0.161	25.42	3.0	0.51	-108	
Static Water Level (WL): 6.55								
One Casing Volume(gal/L):								
Start Purge (hrs): 1510								
End Purge (hrs): 1528								
Total Purge Time (min): 18								
Total Vol. Purged (gal/L): 4 l								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.1 mg/l

Ferrous Iron 4.4 mg/l

Alkalinity Ø/40 mg/L

Hydrogen Sulfide Ø mg/L

Carbon Dioxide 60 mg/L

Eq. VOL. = 500ml

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Walter D. Olson

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 136-LM 11I02
Sample Location: PC 4-13-11I
Sampled By: WPO/CL
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/14/03
Time: 1440
Method: peristaltic

Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min

PURGE DATA:

Date: 5/14/03
Method: peristaltic
Monitor Reading (ppm):
Well Casing Diameter & Material Type: 3/4" PVC
Total Well Depth (TD): 29.81
Static Water Level (WL): 6.74
One Casing Volume(gal/L):
Start Purge (hrs): 1424
End Purge (hrs): 1440
Total Purge Time (min): 16
Total Vol. Purged (gal/L): 5 l

Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
INLET	5.46	0.098	24.58	65	2.39	68	400 ml/min
1 l	5.31	0.091	24.00	28	0.59	90	
2 l	5.28	0.091	23.90	18	0.52	93	
3 l	5.27	0.090	23.88	14	0.51	95	
4 l	5.27	0.090	23.86	12	0.49	96	

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

Dissolved Oxygen 1.0 mg/L
Ferrous Iron 0.6 mg/L
Alkalinity Ø /10 mg/L
Hydrogen Sulfide Ø mg/L
Carbon Dioxide 40 mg/L

Eq. Vol. = 610 ml

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Willis D. Olson

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GML12I02
Sample Location: PCY-12-MW-01
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Date: 16 May 03								
Time: 0850								
Method: peristaltic	clear	5.65	0.099	24.25	18.4	0.48	-45	100

PURGE DATA: Horiba/LAMOTTE

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 16 May 03								
Method: peristaltic	1.0	5.58	0.099	24.01	208.0	0.82	-28	100
Monitor Reading (ppm): NA	1.5	5.64	0.099	24.20	191.0/55.0	0.33	-43	100
Well Casing Diameter & Material	2.0	5.65	0.100	24.27	94.6/31.0	0.73	-45	100
Type: PVC 1 inch ID	2.5	5.65	0.099	24.25	79.3/18.4	0.48	-45	100
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs): 0820								
End Purge (hrs): 0845								
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 2.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X 1 liter	✓
Dissolved gases - RSK 147/175		2 x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	✓
Total Organic Carbon - EPA 415.1		2 x 40 ml	✓
		Flow cell 375 ml x 0.7 ml/ft	

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.8 mg/l

Ferrous Iron 0 mg/l

Alkalinity 10 mg/l

Hydrogen Sulfide 0 mg/l

Carbon Dioxide 50 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.: 13GLM12I02D

Signature(s): Scott R. McGee

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 130-2M13502
Sample Location: PZ4-13-135
Sampled By: WAO/CB
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/19/03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Time: 1430								
Method: peristaltic								

PURGE DATA:

Date: 5/19/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	INIT	5.63	0.110	23.77	39	3.47	119	400ml/min
Monitor Reading (ppm):	1.5 l	5.60	0.142	22.55	6.9	2.58	127	
Well Casing Diameter & Material	3 l	5.62	0.143	22.53	5.0	1.31	124	
Type:	4 l	5.63	0.142	22.52	3.7	0.98	121	
Total Well Depth (TD): 13.46	5 l	5.63	0.142	22.55	3.3	0.88	120	
Static Water Level (WL): 2.27								
One Casing Volume (gal/L): 1.1								
Start Purge (hrs): 1415								
End Purge (hrs): 1430								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 5 l								

(1.2)

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

EV = 500ml

Dissolved Oxygen: 0.8 mg/l
Ferrous Iron: Ø mg/l
Alkalinity: Ø 125 mg/l
Hydrogen Sulfide: WDO 5/19/03 ~~2.5 mg/l~~ 0 mg/l
Carbon Dioxide: 64 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):
		[signature]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1 ~~SWMU 3~~ - CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GW13E02
Sample Location: DC4-13-13I
Sampled By: WNOLCO
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate L/Min
Date: 5/19/03								
Time: 1335								
Method:								

PURGE DATA:

Date: 5/19/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method:	1N CT	5.80	0.093	24.96	26	5.54	35	250ml/m
Monitor Reading (ppm):	1l	5.88	0.131	23.64	17	1.36	55	
Well Casing Diameter & Material	2l	5.83	0.129	23.92	8.9	1.00	73	
Type: 1/2" PVC	3l	5.82	0.128	24.57	NAP/SILTS 8.5	1.06	80	
Total Well Depth (TD): 29.89	4l	5.82	0.127	23.94	4.3	1.15	84	
Static Water Level (WL): 1.72	4.5l	5.79	0.121	23.47	7.6	0.95	89	
One Casing Volume(gal/L):	5l							
Start Purge (hrs): 1320								
End Purge (hrs): 1335								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L) 5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL		
TCL Semivolatiles + SIM - 8270C	4°C		
~~TCL Pesticides - 8081A~~			
~~TCL PCBs - 8082~~			
~~TAL~~ Metals + ~~Mercury~~ 6010B/~~7471~~	HNO_3		
~~Cyanide - 9012B~~			
Anions	4°C		
TOC	H_2SO_4		
RSK 147/175	HCL		

OBSERVATIONS / NOTES:

Fe 0.4 mg/l
D.O. 1.0 mg/l
Akalinity 0/15 mg/l
CO_2 38 mg/l
H_2S

EU = 620 mL

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [illegible]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM14I02
Sample Location: FCy-13-14I
Sampled By: WOOLLG
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/16/03								
Time: 1355								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/16/03								
Method: peristaltic	IN IT	4.36	0.062	24.64	150	5.69	74	250 ml/min
Monitor Reading (ppm):	1 l	4.85	0.056	23.82	140	0.84	-35	
Well Casing Diameter & Material	2 l	4.84	0.055	23.77	100	0.60	-45	
Type:	3 l	4.81	0.055	23.75	85	0.53	-49	
Total Well Depth (TD): 29.73	4 l	4.81	0.056	23.90	80	0.45	-55	
.25.40 Static Water Level (WL): 4.33	5 l	4.83	0.058	23.84	65	0.46	-59	
One Casing Volume(gal/L): 1 l	5.5 l	4.83	0.063	23.80	60	0.41	-60	
Start Purge (hrs): 1320	6 l	4.81	0.062	23.82	55	0.41	-60	
End Purge (hrs): 1355								
Total Purge Time (min): 35								
Total Vol. Purged (gal/L): 6								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H2SO4		

OBSERVATIONS / NOTES:

Dissolved Oxygen: 0.8 mg/l
Ferrous Iron: 0.6 mg/l
Alkalinity: Ø/5 mg/l
Hydrogen Sulfide: Ø mg/l
Carbon Dioxide: 55 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [illegible]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM15502
Sample Location: PCY-13-155
Sampled By: WRO/LG
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/16/03
Time: 1100
Method: peristaltic

Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min

PURGE DATA:

Date: 5/16/03
Method: peristaltic
Monitor Reading (ppm):
Well Casing Diameter & Material Type: 3/4" PVC
Total Well Depth (TD): 14.48
Static Water Level (WL): 6.00
One Casing Volume (gal/L): .33
Start Purge (hrs): 1035
End Purge (hrs): 1100
Total Purge Time (min): 25
Total Vol. Purged (gal/L): 8

Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
INIT	6.20	0.176	24.77	34	6.15	59	
2 l	6.24	0.174	22.82	4.5	1.01	70	
4 l	6.23	0.174	22.74	1.9	0.75	74	
6 l	6.23	0.175	22.68	1.6	0.68	77	
8 l	6.23	0.175	22.64	1.4	0.66	79	

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.6 mg/l
Ferrous Iron Ø mg/l
Alkalinity Ø/140 mg/l
Hydrogen Sulfide 0.01 mg/l
Carbon Dioxide 60 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Walter D. Olson

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM15I02
Sample Location: FC4-13-15I
Sampled By: WAO/GG
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/16/03								
Time: 1205								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/16/03	INIT	5.23	0.088	23.17	40	2.49	20	300 ml
Method: peristaltic	1 l	5.10	0.084	23.09	65	1.07	10	
Monitor Reading (ppm): —	2 l	5.06	0.084	23.19	39	0.69	1	
Well Casing Diameter & Material Type: 3/4" PVC	3 l	5.05	0.084	23.14	25	0.54	-12	
Total Well Depth (TD): 29.43	4 l	5.03	0.084	23.13	15	0.48	-15	
Static Water Level (WL): 5.03	5 l	5.02	0.084	23.14	11	0.45	-18	
One Casing Volume(gal/L): 1								
Start Purge (hrs): 1140								
End Purge (hrs): 1205								
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

Dissolved Oxygen: 0.4 mg/l
Ferrous Iron: 2.6 mg/l
Alkalinity: Ø/10 mg/l
Hydrogen Sulfide: Ø mg/l
Carbon Dioxide: 48 mg/l

EV = 620 ml

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):
		[illegible]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC-1 ~~SWMU-3~~ CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 136LM16502
Sample Location: PCY-~~A~~013-165
Sampled By:
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate L/Min
Date: 5/19/03								
Time: 1250								
Method:	clear	6.75	0.135	24.12	4.3	2.61	-65	

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/19/03								
Method: Peristaltic	0.5 gal	5.89	0.140	24.06	2+	2.88	-47	
Monitor Reading (ppm): N/A	1.0	5.86	0.136	24.07	3.5	2.66	-61	
Well Casing Diameter & Material	1.5	5.81	0.135	24.09	3.1	2.62	-64	
Type: 2" PVC x 3/4" cas	2.0	5.75	0.135	24.12	4.3	2.61	-65	
Total Well Depth (TD): 11.61								
Static Water Level (WL): 3.02								
One Casing Volume(gal/L): 5.32 L								
Start Purge (hrs): 1205								
End Purge (hrs): 1225								
Total Purge Time (min): 20 min								
Total Vol. Purged (gal/L): 2 gal								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 x 40 ml	
TCL Semivolatiles + SIM - 8270C		2 x 1-liter	
~~TCL Pesticides - 8081A~~			
~~TCL PCBs - 8082~~			
~~TAL Metals + Mercury - 6010B/7471~~			
~~Cyanide - 9012B~~			
Select metals		1 x 250 ml Poly	
Dissolved Gases		2 x 40 ml	
Anions		1 x 250 ml Poly	
TOC		2 x 40 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.4 mg/l
Ferrous Iron 0 mg/l
Hydrogen sulfide ~~40~~ 0 mg/l
AIK 40 mg/l
Carbon dioxide 45 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1 ~~SWMU 3~~ - CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GM16F02
Sample Location: PCY-13-16F
Sampled By:
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/19/07
Time: 1225
Method:

Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ML/Min
clear	5.84	0.138	23.43	-0.1	2.90	-67	100

PURGE DATA:

Date: 5/19/07
Method: Peristaltic
Monitor Reading (ppm): N/A
Well Casing Diameter & Material Type: 2" PVC x 3/4" cas
Total Well Depth (TD): 29.75
Static Water Level (WL): 21.20
One Casing Volume(gal/L):
Start Purge (hrs): 1200
End Purge (hrs): 1220
Total Purge Time (min): 20
Total Vol. Purged (gal/L): 2.0

Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
1.0.5	5.91	0.138	23.42	18.5	4.50	-36	100
1.5	5.87	0.138	23.38	12.3	2.85	-52	100
2.0	5.84	0.138	23.43	-0.1	2.90	-67	100

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 x 40 ml	
TCL Semivolatiles + SIM - 8270C		2 x 1 liter	
~~TCL Pesticides - 8081A~~			
~~TCL PCBs - 8082~~			
~~TAL Metals + Mercury - 6010B/7471~~			
~~Cyanide - 9012B~~			
Select metals		1 x 250 ml Poly	
Dissolved Gases		2 x 40 ml	
Anions		1 x 250 ml	
TOC		2 x 40 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen
Ferrous Iron 1.4 mg/l
Hydrogen sulfide 20 mg/l
Alk 20 mg/l
Carbon Dioxide 55 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):
		Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM16D02
Sample Location: PCY-13-16D
Sampled By:
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/19/03
Time: 1330
Method: peristaltic

Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
clear	6.35	0.205	23.77	4.2	1.09	-124	200

PURGE DATA:

Date: 5/19/03
Method: peristaltic
Monitor Reading (ppm): N/A
Well Casing Diameter & Material Type: 2" PVC 3/4" casing
Total Well Depth (TD):
Static Water Level (WL):
One Casing Volume(gal/L):
Start Purge (hrs): 1255
End Purge (hrs): 1325
Total Purge Time (min): 30
Total Vol. Purged (gal/L): 6.0

U-22/LaMotte

Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
2.0	6.35	0.204	23.53	27.0/18	1.17	~~23.59~~ -121	200
4.0	6.34	0.205	23.70	15/9.6	1.17	-122	200
6.0	6.35	0.205	23.77	10.5/4.2	1.09	-124	200

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 ~~X 1 liter~~ 250 ml Poly	✓
Dissolved gases - RSK 147/175		2x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 25 ml Poly	✓
Total Organic Carbon - EPA 415.1		2x 40 ml	✓

OBSERVATIONS / NOTES:

Dissolved Oxygen 0.1 mg/l
Ferrous Iron 0 mg/l
Alkalinity 40 mg/l
Hydrogen Sulfide ~~40~~ 0 mg/l
Carbon Dioxide 45 mg/l

Artesian Well

Circle if Applicable:

MS/MSD
Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1 ~~SWMU 3~~ - CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM07502
Sample Location: PC4-13-175
Sampled By: WDOLCA
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate L/Min
Date: 5/19/03								
Time: 1204								
Method:								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/19/03								
Method:	IN IT	5.89	0.147	22.15	45	1.38	9	450ml/min
Monitor Reading (ppm):	1.5 l	6.07	0.140	21.98	21	0.77	-29	
Well Casing Diameter & Material Type: 3/4" PVC	2.5 l	6.08	0.139	21.99	12	0.60	-37	
Total Well Depth (TD): 11.83	3.5 l	6.09	0.138	22.00	9.5	0.50	-44	
Static Water Level (WL): 0.5'	4.5 l	6.09	0.137	21.97	6.9	0.45	-49	
One Casing Volume(gal/L):								
Start Purge (hrs): 1150								
End Purge (hrs): 1204								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 x 40ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 x 1L amber	
~~TCL Pesticides - 8081A~~			
~~TCL PCBs - 8082~~			
~~Total~~ Metals + ~~Mercury~~ 6010B/~~7471~~	HNO_3	1 x 250 ml poly	
~~Cyanide - 9012B~~			
Anions	4°C	1 x 250 ml poly	
RSK 147/175	HCL	2 x 40ml	
TOC	H_2SO_4	2 x 40ml	

OBSERVATIONS / NOTES:

DO = 0.05 mg/l
Fe = 4.4 mg/l
H_2S = 0 mg/l
Alkalinity 140 mg/L
CO_2 = 48 mg/L

ΔV. = 48 ml

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):
		Will D. Olson

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 136LM17D02
Sample Location: PC4-13-17D
Sampled By: WDO/GG
C.O.C. No.: 4262
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/20/03								
Time: 0935								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/20/03								
Method: peristaltic	IW 1T	5.38	0.093	23.38	800	1.95	424	400 ml/m
Monitor Reading (ppm):	2 l	5.23	0.092	23.23	600	0.68	27	
Well Casing Diameter & Material Type: 0.03 3/4" PVC	4 l	5.20	0.091	23.23	220	0.47	20	
Total Well Depth (TD): 39.46	6 l	5.19	0.091	23.34	140	0.44	15	
0.72' Static Water Level (WL): 0.72 above TOC	9 l	5.19	0.091	23.33	95	0.42	13	
One Casing Volume(gal/L):	12 l	5.19	0.091	23.29	80	0.41	10	
Start Purge (hrs): 0900	14 l	5.18	0.091	23.26	70	0.39	7	
End Purge (hrs): 0933	16 l	5.18	0.091	23.28	55	0.36	6	
Total Purge Time (min): 33	18 l	5.18	0.091	23.30	50	0.37	3	
Total Vol. Purged (gal/L): 20	20 l	5.18	0.091	23.29	34	0.35	4	

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X ~~1 liter~~ 250ml poly	
Dissolved gases - RSK 147/175	HCL	2x 40ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C	1x 250ml	
Total Organic Carbon - EPA 415.1	H_2SO_4	2x 40ml	

3
4.16
4.70
32.46

OBSERVATIONS / NOTES:

Dissolved Oxygen: 0.4 mg/l
Ferrous Iron: 5.2 mg/l
Alkalinity: Ø/10 mg/l
Hydrogen Sulfide: Ø mg/l
Carbon Dioxide: 48 mg/l
water v. turbid initially

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM17I02
Sample Location: PCY-13-17I
Sampled By: WRO/CG
C.O.C. No.: 4262
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/20/03
Time: 0801
Method: peristaltic

Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min

PURGE DATA:

Date: 5/20/03
Method: peristaltic
Monitor Reading (ppm):
Well Casing Diameter & Material Type: 3/4" PVC
Total Well Depth (TD): 30.00
Static Water Level (WL): 1" over TOC
One Casing Volume(gal/L):
Start Purge (hrs): 0735
End Purge (hrs): 0801
Total Purge Time (min): 26
Total Vol. Purged (gal/L): 9 l

Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
INIT	4.82	0.124	22.51	190	3.08	51	500ml/m
1 l	5.51	0.108	22.65	120	1.00	-26	
2 l	5.62	0.102	22.67	70	0.88	-40	
3 l	5.63	0.105	22.68	40	0.71	-48	
4 l	5.64	0.105	22.71	30	0.64	-53	
5 l	5.65	0.104	22.72	23	0.57	-57	
6 l	5.66	0.104	22.72	18	0.54	-61	
7 l	5.66	0.104	22.72	15	0.51	-65	
8 l	5.66	0.104	22.71	13	0.49	-68	
9 l	5.67	0.103	22.74	11	0.44	-69	

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO3	1 X ~~liter~~ 250 ml poly	
Dissolved gases - RSK 147/175	HCL	2x40ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C	1x250ml poly	
Total Organic Carbon - EPA 415.1	H_2SO_4	2x40ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 0.3 mg/l
Ferrous Iron: 6.8 mg/l
Alkalinity: Ø/30 mg/l
Hydrogen Sulfide: 0.6 mg/l
Carbon Dioxide: 54 mg/l
water has pet. like odor

Circle if Applicable:

MS/MSD
Duplicate ID No.: 13GLM17I02D

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM18S03
Sample Location: PCY-13-18S
Sampled By: SRM/MTA
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/20/03
Time: 0850
Method: peristaltic

Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate µ l/min
clear	5.71	0.098	23.39	9.0	4.35	180	100

PURGE DATA:

Date: 5/20/03
Method: peristaltic
Monitor Reading (ppm): N/A
Well Casing Diameter & Material Type: 3/4" PVC
Total Well Depth (TD): 12.0
Static Water Level (WL): 2.12
One Casing Volume(gal/L):
Start Purge (hrs): 0830 ~~0730~~
End Purge (hrs): 0845 ~~0745~~
Total Purge Time (min): 15
Total Vol. Purged (gal/L): 1.5

Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
0.5	5.50	0.097	22.86	51.8	11.90	182	100
1.0	5.69	0.098	23.32	8.2	4.79	177	100
1.5	5.71	0.098	23.39	9.0	4.35	180	100

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C	N/A	2 X 1 liter	✓
TAL metals ~~Selected Metals (As, Na, Mg, Ca, K, Mn)~~ 6010B	HNO3	1 X ~~1 liter~~ 250 ml	✓
Dissolved gases - RSK 147/175	HCL	2 x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	N/A	1 x 250 ml	✓
Total Organic Carbon - EPA 415.1	H2SO4	2 x 40 ml	✓
Pest / PCB's	N/A	2 x 1 liter	✓
Cyanide	NaOH	1 x 250 ml	✓
		Flow Thru cell = 375 ml	
		Tubing = 7ml/ft x 15ft = 105 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen 3 mg/l
Ferrous Iron 0 mg/l
Alkalinity 20 mg/l
Hydrogen Sulfide 0 mg/l
Carbon Dioxide 25 mg/l

Circle if Applicable:

MS/MSD
Duplicate ID No.:

Signature(s): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM18I02
Sample Location: PCY-13-18I
Sampled By: SRM / MTA
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/20/03
Time: 0855
Method: peristaltic

Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Clear	4.65	0.043	22.87	3.2	1.42	2	100

PURGE DATA:

Date: 5/20/03
Method: peristaltic
Monitor Reading (ppm): N/A
Well Casing Diameter & Material Type: 3/4" PVC
Total Well Depth (TD): 30
Static Water Level (WL): Artesian
One Casing Volume(gal/L):
Start Purge (hrs): 0825
End Purge (hrs): 0845
Total Purge Time (min):
Total Vol. Purged (gal/L):

Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
1.0	4.74	0.045	22.77	39.4	2.22	2	100
1.5	4.61	0.043	22.84	6.2	1.43	-4	100
2.0	4.65	0.043	22.87	3.2	1.42	2	100

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml Poly	✓
Dissolved gases - RSK 147/175		2 x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml Poly	✓
Total Organic Carbon - EPA 415.1		2 x 40 ml	✓
		ARTESIAN WELL	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 1.0 mg/l
Ferrous Iron: 2.6 mg/l
Alkalinity: 5 mg/l
Hydrogen Sulfide: 0 mg/l
Carbon Dioxide: 35 mg/l

Circle if Applicable:

MS/MSD
Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AOC 1- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 13GLM18D02
Sample Location: PCY-13-18D
Sampled By: SPM / MTA
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/20/03
Time: 0935
Method: peristaltic

Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ml/min
Clear	4.44	0.048	23.21	-3.6	1.10	22	100

PURGE DATA:

Date: 5/20/03
Method: peristaltic
Monitor Reading (ppm): N/A
Well Casing Diameter & Material Type: 3/4"
Total Well Depth (TD): 40'
Static Water Level (WL): Artesian
One Casing Volume(gal/L):
Start Purge (hrs): 0910
End Purge (hrs): 0930
Total Purge Time (min): 20
Total Vol. Purged (gal/L): 2.0

Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
1.0	4.44	0.048	22.99	3.9	2.85	23	100
1.5	4.43	0.048	23.09	-0.7	1.39	23	100
2.0	4.44	0.048	23.21	-3.6	1.10	22	100

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml	✓
Dissolved gases - RSK 147/175		2x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	✓
Total Organic Carbon - EPA 415.1		2 x 40 ml	✓

OBSERVATIONS / NOTES:

Dissolved Oxygen: 0.8 mg/l
Ferrous Iron: 1.8 mg/l
Alkalinity: 5 mg/l
Hydrogen Sulfide: 0 mg/l
Carbon Dioxide: 30 mg/l

Circle if Applicable:

MS/MSD
Duplicate ID No.:

Signature(s): Scott R Mc-g

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 3 - CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 03GLM0202
Sample Location: PC4-03-02
Sampled By: SBM/LWS
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate ML/Min
Date: 14 MAY 03								
Time: LWS ~~1540~~ 1530								
Method: peristaltic	clear	5.48	0.115	23.75	49.2/13	4.83	54	100

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity (Horiba/Lamotte)	DO	ORP	Rate
Date: 14 May 03								
Method: peristaltic	0.2 Gal	5.66	0.121	23.94	83.6/150	5.21	69	100 ml/min
Monitor Reading (ppm):	0.3 Gal	5.68	0.124	23.79	62.4/45	5.07	55	100 ml
Well Casing Diameter & Material Type: 2" PVC		5.63	0.136	23.71	62.9/25	4.97	47	100
		5.48	0.115	23.75	49.2/13	4.83	54	100
Total Well Depth (TD): 26.48								
Static Water Level (WL): 5.00								
One Casing Volume(gal/L):								
Start Purge (hrs): 1500								
End Purge (hrs): 1535								
Total Purge Time (min): 35								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B			
TCL Semivolatiles + SIM - 8270C			
TCL Pesticides - 8081A			
TCL PCBs - 8082			
TAL Metals + Mercury - 6010B/7471			
Cyanide - 9012B			

OBSERVATIONS / NOTES:

Turbidity measurements affected by red specks ~~floating~~ suspended in water that is otherwise clear with no odor.

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):
		Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 3 - CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 03GLM0302
Sample Location: PCY-03-MW-03
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/15/03
Time: 0835
Method: Peristaltic

Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate L/Min

PURGE DATA:

Date: 5/15/03
Method: Peristaltic Pump
Monitor Reading (ppm): N/A
Well Casing Diameter & Material Type: 1" PVC
Total Well Depth (TD): 11.85
Static Water Level (WL): 1.51
One Casing Volume(gal/L):
Start Purge (hrs): 0805
End Purge (hrs): 0830
Total Purge Time (min): 25
Total Vol. Purged (gal/L): 2.5

Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
0.5	5.36	0.102	24.34	28.5	4.31	66	100
1.0	5.35	0.109	25.22	9.1	3.08	-2	100
1.5	5.53	0.119	25.50	3.3	3.05	-41	100
2.0	5.65	0.131	25.57	3.1	3.15	-64	100
2.5	5.69	0.134	25.61	2.8	3.14	-69	100

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B			
TCL Semivolatiles + SIM - 8270C			
TCL Pesticides - 8081A			
TCL PCBs - 8082			
TAL Metals + Mercury - 6010B/7471			
Cyanide - 9012B			
		Flow Thru Cell = 375 ml	
		Tubing = 7ml/ft x 15ft = 105ml	

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):
		Scott R. McGee

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 3 - CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 03GLM05502
Sample Location: PC4-3-55
Sampled By: WPO
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate L/Min
Date: 5/15/03								
Time: 0800								
Method: Peristaltic	clear	5.81	0.131	22.55	12	0.56	-160	450 ml/min

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/15/03								
Method: Peristaltic	1WIT	5.29	0.135	23.02	37	2.41	-8	450 ml/min
Monitor Reading (ppm): –	1gal	5.75	0.130	22.57	21	0.69	-117	
Well Casing Diameter & Material Type: 1" PVC	1.25gal	5.79	0.131	22.55	15	0.57	-144	
	1.5gal	5.80	0.131	22.55	13	0.58	-155	
Total Well Depth (TD): 12.30	1.75gal	5.81	0.131	22.55	12	0.56	-160	
Static Water Level (WL): 3.54								
One Casing Volume(gal/L): .34								
Start Purge (hrs): ~~0940~~ 0740								
End Purge (hrs): 0800								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 1.75								

8.36
.84
.41
1.03
.34

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3x 40ml	
TCL Semivolatiles + SIM - 8270C	4°C	2x 1l	
TCL Pesticides - 8081A	4°C	2x 1l	
TCL PCBs - 8082			
TAL Metals + Mercury - 6010B/7471	HNO_3	1x 500ml poly	
Cyanide - 9012B	NaOH	1x 250ml poly	

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):
		[signature]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 3 - CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 030-LM 0402
Sample Location: MW-4 (PC4-3-05)
Sampled By: WD
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate L/Min
Date: 5/14/03								
Time: 1525								
Method:								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate	
Date: 5/14/03									
Method:	1 Wtr	6.69	12.2	23.14	8.9	1.76	-205	350 ml/min	Sal
Monitor Reading (ppm):	1/2 gal	6.82	21.7	22.94	3.0	0.43	-292		0.7
Well Casing Diameter & Material Type:	2 gal	6.79	21.8	22.91	2.0	0.38	-308		1.3
	1.5 gal	6.76	21.8	22.90	1.5	0.34	-314		1.3
Total Well Depth (TD): 11.85									1.3
Static Water Level (WL): 3.01									
One Casing Volume (gal/L): .3									
Start Purge (hrs): 1500									
End Purge (hrs):									
Total Purge Time (min):									
Total Vol. Purged (gal/L):									

2
.88
.54
.88

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3x40ml	
TCL Semivolatiles + SIM - 8270C	4°C	2x1L amber	
TCL Pesticides - 8081A	4°C	2x1L amber	
TCL PCBs - 8082			
TAL Metals + Mercury - 6010B/7471	HNO3	1x500ml poly	
Cyanide - 9012B	NaOH	1x250ml poly	

OBSERVATIONS / NOTES:

rcle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):
		[signature]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 9- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 09GLM0LR502
Sample Location: MW01S
Sampled By: WOO
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/13/03								
Time: 1445								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/13/03								
Method: peristaltic	INIT	6.73	0.159	23.54	75	5.08	97	400 ml/min
Monitor Reading (ppm):	1 gal	6.62	0.142	23.49	9.0	4.61	107	
Well Casing Diameter & Material	2 gal	6.63	0.149	23.48	5.1	4.36	102	
Type: 2" PVC	2.5 gal	6.63	0.150	23.44	3.8	4.18	106	
Total Well Depth (TD): 15.20								
Static Water Level (WL): 8.90								
One Casing Volume(gal/L): 1.01								
Start Purge (hrs): 1420								
End Purge (hrs): 1445								
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 2.5								

6.3
.32
.06
1.01

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO3	1 X 1 ~~liter~~ 250ml	
Dissolved gases - RSK 147/175	HCL	2x40ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C	1x250ml	
Total Organic Carbon - EPA 415.1	H_2SO_4	2x40ml	

OBSERVATIONS / NOTES:

Fine root mat. in purge water

Dissolved Oxygen: 4.0 mg/l

Ferrous Iron: 0.8 mg/l

Alkalinity: Ø / 40 mg/L

Hydrogen Sulfide: Ø mg/L

Carbon Dioxide: 38 mg/L

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):
		Will D. Oles

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 9- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 09GLM02S02
Sample Location: MW02S
Sampled By: WAO/GG
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/13/03								
Time: 1140								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/13/03								
Method: peristaltic	1 N 1T	6.37	0.191	22.43	8.0	4.54	88	
Monitor Reading (ppm): —	2 l	6.40	0.202	22.39	7.6	3.45	113	
Well Casing Diameter & Material	3 l	6.43	0.205	22.34	5.4	3.38	113	
Type: 1" PVC	4 l	6.45	0.213	22.13	4.7	3.28	113	
Total Well Depth (TD): 9.60								
Static Water Level (WL): 8.13								
One Casing Volume(gal/L): 7.60								
Start Purge (hrs): 1000								
End Purge (hrs): 1140								
Total Purge Time (min): 40								
Total Vol. Purged (gal/L) 4								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

Roots in well.

Dissolved Oxygen: 5.0 mg/l

Ferrous Iron: 0.0 mg/l

Alkalinity: Ø / 35 mg/l

Hydrogen Sulfide: Ø mg/l

Carbon Dioxide: 34 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [illegible]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 9- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 09GLM03502
Sample Location: DCY-9-35
Sampled By: SRM-LWS
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 13 May 03	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Rate
Time: 1315	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	l/min
Method: peristaltic	Clear	6.26	0.240	23.89	1.6	3.77	-244	100

PURGE DATA:

Date: 13 May 03	Volume Gal	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	0.5	6.21	0.241	23.27	8.1	4.18	-183	100
Monitor Reading (ppm): NA	1.0	6.23	0.228	22.55	5.0	3.90	-232	100
Well Casing Diameter & Material	1.5	6.21	0.252	23.72	2.6	3.80	-243	100
Type: 2" PVC	2.0	6.24	0.244	23.75	1.4	3.80	-244	100
Total Well Depth (TD): 12.90	2.5	6.25	0.238	23.83	1.7	3.79	-247	100
Static Water Level (WL): 11.26	3.0	6.26	0.240	23.89	1.6	3.77	-244	100
One Casing Volume(~~gal~~/L): 1.01								
Start Purge (hrs): 1240								
End Purge (hrs): 1310								
Total Purge Time (min): 30								
Total Vol. Purged (~~gal~~/L): 3.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml	
Dissolved gases - RSK 147/175		2 x 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	
Total Organic Carbon - EPA 415.1		2 x 40 ml	
		Flow Through Cell = 315 ml	
		Tubing = 7ml/ft x 15 = 105 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 1.0
Ferrous Iron: 1.2
Alkalinity: 100 mg/L
Hydrogen Sulfide: .55 mg/L
Carbon Dioxide: 60 mg/L

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 9- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 09GLM03I02
Sample Location: FCY-9-31
Sampled By: SRM/CWS
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/13/03								
Time: 1310								
Method: peristaltic	Clear	4.79	0.054	24.02	4.6	5.07	49	100

PURGE DATA:

Date: 5/13/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	1.0	4.91	0.058	23.88	9.7	1.61	68	100
Monitor Reading (ppm):	1.5	4.83	0.055	23.93	4.7	5.06	57	100
Well Casing Diameter & Material	2.0	4.81	0.053	23.97	5.7	4.84	51	100
Type: 2" PVC	2.5	4.79	0.054	24.02	4.6	5.07	49	100
Total Well Depth (TD): 48.50								
Static Water Level (WL): 13.77								
One Casing Volume(gal/L): 21.5								
Start Purge (hrs): 1240								
End Purge (hrs): 1305								
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 2.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~4 liter~~ 1 250 ml	✓
Dissolved gases - RSK 147/175		2 x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	✓
Total Organic Carbon - EPA 415.1		2 x 40 ml	✓
		Flow Thru cell = 375ml	
		Tubing = 7ml/ft x 49ft = 343	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 1.0

Ferrous Iron: 0 mg/l

Alkalinity: 40 mg/l

Hydrogen Sulfide: 0 No color change

Carbon Dioxide: 50 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 9- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 09GLM04502
Sample Location:
Sampled By: L. Smith, Scott McGuire
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 13 May 03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Time: 0930								
Method: peristaltic					4.22/LaMotte			

PURGE DATA:

Date: 13 May 03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	0.5	5.77	0.168	23.29	36.0/24.6	3.61	152	100
Monitor Reading (ppm): NA	1.0	5.84	0.161	23.13	26.9/17.2	2.79	135	100
Well Casing Diameter & Material	1.5	5.81	0.163	22.95	26.4/12.8	2.61	118	100
Type: PVC 2 inch ID	2.0	5.88	0.165	22.94	12.5/7.66	2.19	93	100
Total Well Depth (TD): 18.67'								
Static Water Level (WL): 11.83'								
One Casing Volume(gal/L): 4.24								
Start Purge (hrs): 0905								
End Purge (hrs): 0925								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 2.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X 1 liter	
Dissolved gases - RSK 147/175			
Anions (chloride, sulfate, nitrate, nitrite) EPA 300			
Total Organic Carbon - EPA 415.1		2 x 40 ml	
		Flow Through cell approx 350 ml	
		Tubing 7 ml/ft	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 3

Ferrous Iron: 1.3

Alkalinity: 60 mg/l

Hydrogen Sulfide: (0) No color change Low, Med, High Ranges

Carbon Dioxide: 320 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 9- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 096LM06S02
Sample Location: MW 65
Sampled By: WPO
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/13/03								
Time: 1335								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/13/03								
Method: peristaltic	1 vol	6.01	0.170	23.02	3.6	5.57	133	320 ml/min
Monitor Reading (ppm):	1/2 gal	5.95	0.165	27.54	0.40	1.61	152	
Well Casing Diameter & Material	1 gal	6.05	0.176	22.52	0.10	~~0.10~~ 0.50	~~0.10~~ 147	
Type:	2 gal	6.08	0.177	22.50	0.0	1.60	144	
Total Well Depth (TD): 18.45								
Static Water Level (WL): 10.04								
One Casing Volume(gal/L): 1.35								
Start Purge (hrs): 1307								
End Purge (hrs): 1335								
Total Purge Time (min): 28								
Total Vol. Purged (gal/L): 2								

.84
x 2
1.35

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL		
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C		
Total Organic Carbon - EPA 415.1	H_2SO_4		

OBSERVATIONS / NOTES:

Dissolved Oxygen: 2.0 mg/l
Ferrous Iron: 0.0 mg/l
Alkalinity: 0125 mg/l
Hydrogen Sulfide: Ø mg/l
Carbon Dioxide: 38 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [illegible]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 9- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type: Field Duplicate

Sample ID No.: 09GLM08502
Sample Location: MW 08
Sampled By: WDO/KG
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/13/03								
Time: 0920								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/13/03								
Method: peristaltic	1 wit	4.95	0.158	22.42	75.9	2.95	16	300 ml/min
Monitor Reading (ppm): —	1/2 gal	5.09	0.143	22.93	4.1	0.96	17	
Well Casing Diameter & Material	1/2 gal	5.11	0.139	22.93	3.4	0.68	5	
Type: 2"	1 1/2 gal	5.11	0.137	23.14	2.5	0.56	-15	
Total Well Depth (TD): 17.80	2 gal	5.11	0.137	23.17	2.3	0.53	-30	300 ml/min
Static Water Level (WL): 7.05								
One Casing Volume(gal/L): 1.6								
Start Purge (hrs): 0840								
End Purge (hrs): 0920								
Total Purge Time (min): 40								
Total Vol. Purged (gal/L): 2								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C	HCL	2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X ~~1 liter~~ 250 ml	✓
Dissolved gases - RSK 147/175	HCL	2 X 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	HCL	1 X 250 ml	✓
Total Organic Carbon - EPA 415.1	H_2SO_4	2 X 40 ml	✓

OBSERVATIONS / NOTES:

sulfur odor

Dissolved Oxygen: 0.8

Ferrous Iron: 0.6

Alkalinity: 8/15 mg/l

Hydrogen Sulfide: 0.35 mg/L

Carbon Dioxide: 66 mg/L

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	09GLM08502D

Signature(s): [illegible]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 9- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: Ø9GLMØ95Ø2
Sample Location: PCY-9-95
Sampled By: LWS/
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 13 May 03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Time: 1140								
Method: peristaltic								

PURGE DATA:

Date: 13 May 03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	0.5	6.52	0.183	21.72	28.5/16.2	7.55	151	100
Monitor Reading (ppm): NA	1.0	6.55	0.184	21.78	36.2/18.9	6.36	139	100
Well Casing Diameter & Material	1.5	6.55	0.183	21.83	40.1/13.2	6.36	144	100
Type: 1" PVC	2.0	6.56	0.183	21.79	21.0/	6.32	150	100
Total Well Depth (TD): 14.60								
Static Water Level (WL): 8.80								
One Casing Volume(~~gal~~/L): 1.80								
Start Purge (hrs): 1115								
End Purge (hrs): 1135								
Total Purge Time (min): 20								
Total Vol. Purged (~~gal~~/L): 2.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml Plastic	
Dissolved gases - RSK 147/175		2 x 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 250 ml Plastic	
Total Organic Carbon - EPA 415.1		2 x 40 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 5

Ferrous Iron: 0 - No Color Change

Alkalinity: 60 mg/l

Hydrogen Sulfide: 0 - No color change

Carbon Dioxide: ~~60~~ 30 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 10- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 10GLM01R01
Sample Location: MW-01R (Rev-10)R)
Sampled By: WDO/CG
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/14/03								
Time: 0825								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date:								
Method: peristaltic	INIT	6.20	0.621	25.46	3.8	1.00	-132	500 ml/min
Monitor Reading (ppm):	1 gal	6.37	0.618	25.29	3.9	0.52	-170	
Well Casing Diameter & Material	2 gal	6.38	0.630	25.29	2.0	0.40	-177	
Type: 1" PVC	2.25 gal	6.38	0.635	25.16	1.9	0.38	-179	
Total Well Depth (TD): 12.82								
Static Water Level (WL): 5.88								
One Casing Volume (gal/L): .3								
Start Purge (hrs): 0805								
End Purge (hrs): 0825								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 2.25								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X 1 liter	
Dissolved gases - RSK 147/175	HCL	2x40ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C	1x250ml	
Total Organic Carbon - EPA 415.1	H_2SO_4	2x40ml	

OBSERVATIONS / NOTES:

odor

Dissolved Oxygen: 0.05 mg/l

Ferrous Iron: 5.8 mg/l

Alkalinity: Ø / 30 mg/l

Hydrogen Sulfide: 0.5 mg/l

Carbon Dioxide: 50 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.: 10GLM01R01D

Signature(s): [signature]

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Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 10- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 10GLM0202
Sample Location: PCY-10-MW-02
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity 1-22NTU/AM	DO mg/l	ORP mV	Rate l/min
Date: 14 May 03								
Time: 1225								
Method: peristaltic	clear	5.75	0.783	24.78	4.1	1.27	71	100

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 14 May 03								
Method: peristaltic	0.5	6.20	0.741	24.88	56.4/32.4	4.52	43	100
Monitor Reading (ppm): N/A	1.0	5.94	0.745	24.80	21.0/6.1	2.07	62	100
Well Casing Diameter & Material	1.5	5.88	0.757	24.79	19.1/33	1.67	66	100
Type: 2" PVC	2.0	5.75	0.783	24.78	19.8/4.1	1.27	71	100
Total Well Depth (TD): 14.95								
Static Water Level (WL): 6.80								
One Casing Volume(gal/L): 5.05								
Start Purge (hrs): 1200								
End Purge (hrs): 1220								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 2.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X 1 liter	
Dissolved gases - RSK 147/175		2 x 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	
Total Organic Carbon - EPA 415.1		2 x 40 ml	
		Flow Through Cell = 375 ml	
		Tubing = ~7 ml/ft x 15 = 105 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 6.0 mg/l
Ferrous Iron: 1.6 mg/l
Alkalinity:
Hydrogen Sulfide: 0 mg/l
Carbon Dioxide: 20 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:
NA	

Signature(s): Scott R. McGinn

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 10- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 10GLM0302
Sample Location: PC4-10-35
Sampled By: WAC
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/20/03								
Time: 1145								
Method: peristaltic								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 5/20/03								
Method: peristaltic	IW IT	4.35	0.304	25.59	140	7.51	336	800 ml/min
Monitor Reading (ppm): —	1 l	3.85	0.367	25.63	120	7.46	435	
Well Casing Diameter & Material	2 L	3.43	0.478	25.47	110	7.42	486	
Type: 2" PVC	3 L	3.13	0.678	25.15	85	7.40	503	
Total Well Depth (TD): 12.55	4 L	2.99	0.830	25.20	75	7.40	507	
Static Water Level (WL): 3.71	5 L	2.89	0.928	25.18	60	7.28	507	
One Casing Volume (gal/L): 1.41	6 L	2.79	0.816	25.32	50	7.42	505	
Start Purge (hrs): 1100	7 L	2.77	0.921	25.34	40	7.43	504	
End Purge (hrs): 1145	8 L	2.72	1.08	25.28	33	7.34	501	
Total Purge Time (min): 45								
Total Vol. Purged (gal/L): 8 L								

12.55
3.71
8.84
.88
.01
1.41

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO3	1 X ~~1 liter~~ 250ml	
Dissolved gases - RSK 147/175	HCL	2x40ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C	1x 250ml	
Total Organic Carbon - EPA 415.1	H2SO4	2x40ml	

OBSERVATIONS / NOTES:

In Proximity of Bldg 325 air sparge/SVE system

Dissolved Oxygen: 8.0 mg/L

Ferrous Iron: 7.4 mg/L

Alkalinity: Ø/Ø mg/l

Hydrogen Sulfide: Ø mg/l

Carbon Dioxide: 225 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [illegible]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 10- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 10GLM04R01
Sample Location: PCY-10-MW-04R
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 14 May 03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Time: 0910								
Method: peristaltic								

PURGE DATA:

Date: 14 May 03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	0.5	2.67	2.08	25.98	5.4	8.22	488	100
Monitor Reading (ppm): N/A	1.0	2.52	2.99	26.41	8.6	8.26	448	100
Well Casing Diameter & Material	1.5	2.43	3.53	26.65	8.7	8.41	438	100
Type: PVC 1inch ID	2.0	2.40	3.71	26.88	5.3	8.54	437	100
Total Well Depth (TD): 12.58	2.5	2.39	3.77	26.92	7.6	8.55	436	100
Static Water Level (WL): 6.14								
One Casing Volume(gal/L):								
Start Purge (hrs): 0810								
End Purge (hrs): 0835								
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 2.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml	
Dissolved gases - RSK 147/175		2 x 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	
Total Organic Carbon - EPA 415.1		2 x 40 ml	
		Flow Thru Cell = 375 ml	
		Tubing = 7 ml/ft x 15 ft = 105 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 12 mg/l
Ferrous Iron: > 10 mg/l
Alkalinity: 20 mg/l
Hydrogen Sulfide: Ø mg/l
Carbon Dioxide: Ø mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 10- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 10GLM05D R01
Sample Location: PCY-10-MW-05DR
Sampled By: SRM/LWS
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 14 May 03								
Time: 0935								
Method: ~~peristaltic~~								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 14 May 03								
Method: peristaltic	0.5	6.87	0.708	27.15	999/400	3.91	-121	100
Monitor Reading (ppm): N/A	1.0	6.84	0.762	26.55	452/401	3.33	-152	100
Well Casing Diameter & Material	1.5	6.87	0.779	24.79	219/160	3.30	-167	100
Type: PVC 2 inch	2.0	6.84	0.787	24.89	144/110	4.61	-182	100
Total Well Depth (TD): 29.81	2.5	6.82	0.796	24.94	90.8/90	3.41	-192	100
Static Water Level (WL): 6.97	3.0	6.80	0.803	25.40	65.6/42	0.41	-202	100
One Casing Volume(gal/L):								
Start Purge (hrs): SRM ~~0810~~ 0855								
End Purge (hrs): 0930								
Total Purge Time (min): 80								
Total Vol. Purged (gal/L): 5 Gal								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml Poly	
Dissolved gases - RSK 147/175		2 x 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml Poly	
Total Organic Carbon - EPA 415.1		2 x 40 ml	
		Flow thru cell = 375 ml	
Had to Re-Develop well		Tubing = 7 ml/ft x 32 ft = 224 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 0 mg/l
Ferrous Iron: 2.6 mg/l
Alkalinity: 100 mg/l
Hydrogen Sulfide: 0 mg/l
Carbon Dioxide: 40 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 10- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 10GLMD601
Sample Location: mw06
Sampled By: RWPO
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/14/03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Time: 1310								
Method: peristaltic								

PURGE DATA:

Date: 5/14/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	1W 1T	5.67	0.111	25.64	>1000	3.98	52	200 ml/min
Monitor Reading (ppm):	1 gal	5.97	0.132	24.55	300	1.80	-55	
Well Casing Diameter & Material	2 gal	6.20	0.140	24.46	160	0.95	-96	
Type:	3 gal	6.31	0.145	24.61	75	0.60	-118	
Total Well Depth (TD): 13.40	4 gal	6.40	0.153	24.54	35	0.54	-137	
Static Water Level (WL): 6.73	4.5 gal	6.43	0.158	24.64	28	0.40	-145	
One Casing Volume (gal/L): 1.12	5 gal	6.40	0.156	24.97	250	0.63	-144	
Start Purge (hrs): 1150	5.5 gal	6.40	0.160	25.04	~~200~~ 240	0.31	-150	
End Purge (hrs): 1310								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

2
.67
.38
.07
1.12

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCl	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO_3	1 X ~~1 liter~~ 250 ml poly	
Dissolved gases - RSK 147/175	HCl	2 X 40 ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C	1 X 250 ml poly	
Total Organic Carbon - EPA 415.1	H_2SO_4	2 X 40 ml	

OBSERVATIONS / NOTES:

Slow recharge, very turbid, well was clearing, then started to pull in fine particulates

Dissolved Oxygen: 0.6 mg/l

Ferrous Iron: 1.6 mg/l

Alkalinity: Ø/25 mg/l

Hydrogen Sulfide: 0.21 mg/l

Carbon Dioxide: 40 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [signature]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 10- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 10GLM0701
Sample Location: MW07
Sampled By:
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 5/14/03								
Time: 1106								
Method: peristaltic								

PURGE DATA:

Date: ~~5/13/03~~ 5/14/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	INIT	6.61	0.227	25.05	85	2.49	-57	~~50~~ 420ml/min
Monitor Reading (ppm):	1gal	6.34	0.179	24.43	18	0.55	-63	
Well Casing Diameter & Material	2gal	6.37	0.174	24.39	16	0.52	-72	
Type:	3gal	6.39	0.174	24.36	15	0.48	-75	slow to 300
Total Well Depth (TD): 13.30	4gal	6.40	0.163	24.66	19	0.40	-78	
Static Water Level (WL): 6.45								
One Casing Volume (gal/L): 1.11								
Start Purge (hrs): 1030								
End Purge (hrs): 1106								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

6.85
3
.69
.3
.00 in
1.11

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO3	1 X ~~1 liter~~ 250ml Poly	
Dissolved gases - RSK 147/175	HCL	2x40ml	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C	1x250ml Poly	
Total Organic Carbon - EPA 415.1	H_2SO_4	2x40ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 0.4 mg/l
Ferrous Iron: 1.0 mg/l
Alkalinity: Ø/15 mg/l
Hydrogen Sulfide: Ø mg/l
Carbon Dioxide: 26 mg/L

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [illegible]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 10- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 10GLM0801
Sample Location: PCY-10-MW-08
Sampled By: SRM/MWS
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Date: 14 May 03								
Time: 1115								
Method: peristaltic	4 White	6.73	0.663	24.11	19.2	9.59	-60	100

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Date: 14 May 03								
Method: peristaltic	0.5	6.84	0.697	26.19	601.0/410	11.65	-64	100
Monitor Reading (ppm): NA	1.0	6.70	0.677	25.02	169/110	8.47	-59	100
Well Casing Diameter & Material	1.5	6.69	0.679	24.83	106/70	8.66	-57	100
Type: 1" PVC	2.0	6.69	0.679	24.77	95.2/60	8.48	-57	100
Total Well Depth (TD): 12.93	2.5	6.72	0.674	24.79	88.7/45	8.49	-59	100
Static Water Level (WL): 6.15	3.0	6.74	0.670	24.80	70.8/38	8.45	-60	100
One Casing Volume(gal/L): 2.10	3.5	6.76	0.665	24.74	39.3/32	9.00	-61	100
Start Purge (hrs): 1028	4.0	6.73	0.663	24.11	27.1/19.2	9.59	-60	100
End Purge (hrs): 1112								
Total Purge Time (min): 40								
Total Vol. Purged (gal/L): 4.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B		3 X 40 ml	✓
TCL Semivolatiles + SIM - 8270C		2 X 1 liter	✓
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B		1 X ~~1 liter~~ 250 ml	✓
Dissolved gases - RSK 147/175		2 x 40 ml	✓
Anions (chloride, sulfate, nitrate, nitrite) EPA 300		1 x 250 ml	✓
Total Organic Carbon - EPA 415.1		2 x 40 ml	✓
		Flow Through Cell = 375 ml	
		Tubing = 7 ml/ft x 15 ft = 105 ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 6 mg/l
Ferrous Iron: 3.5 mg/l
Alkalinity: 100 mg/l
Hydrogen Sulfide: 0 mg/l
Carbon Dioxide: 40 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:
NA	

Signature(s): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SWMU 10- CSS Panama City
Project No.: N 9061

[] Domestic Well Data
X Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 10GLM0901
Sample Location: MW09
Sampled By:
C.O.C. No.:
Type of Sample:
X Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 5/14/03	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Rate l/min
Time: 0947								
Method: peristaltic	clear							

PURGE DATA:

Date: 5/13/03	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	ORP	Rate
Method: peristaltic	1W1T	6.81	0.270	24.38	12	2.26	-127	gooulks
Monitor Reading (ppm):	1gal	6.78	0.277	23.94	7.1	0.76	-139	
Well Casing Diameter & Material	2gal	6.79	0.272	23.86	5.7	0.57	-146	
Type:	2.5gal	6.80	0.269	23.84	5.2	0.52	-150	
Total Well Depth (TD): 13.00								
Static Water Level (WL): 6.17								
One Casing Volume(gal/L):								
Start Purge (hrs): 0935								
End Purge (hrs): 0947								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Volatiles - 8260B	HCL	3 X 40 ml	
TCL Semivolatiles + SIM - 8270C	4°C	2 X 1 liter amber	
Selected Metals (As, Na, Mg, Ca, K, Mn) 6010B	HNO3	1 X ~~1 liter~~ 250 ml poly	
Dissolved gases - RSK 147/175	HCL	2x40l	
Anions (chloride, sulfate, nitrate, nitrite) EPA 300	4°C	1x250ml Poly	
Total Organic Carbon - EPA 415.1	H_2SO_4	2x40ml	

OBSERVATIONS / NOTES:

Dissolved Oxygen: 0.3 mg/L
Ferrous Iron: 3.4 mg/L
Alkalinity: Ø/75mg/L
Hydrogen Sulfide: .106 mg/L
Carbon Dioxide: 64 mg/l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: PCY RFI SWMU 10
Project No.: N9061

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: PCYS10Z306
Sample Location: Z3
Sampled By: WAO
C.O.C. No.:

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

GRAB SAMPLE DATA:

	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 4/30/03 Time: 1015 Method: DPT Monitor Reading (ppm): 15.1	4-6'	tan	Fine Sand with brown Clay. wet @ 6'

COMPOSITE SAMPLE DATA:

Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

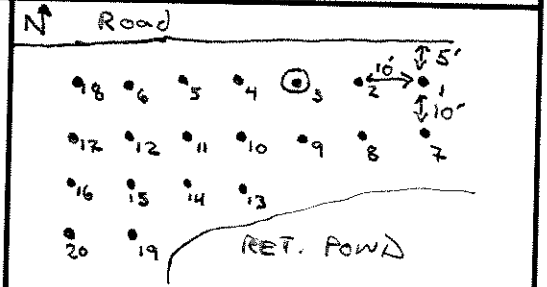
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs - 8260	3 x encore	✓	
SVOCs - 8270	1 x 125 ml	✓	
grain size	1 x 950 ml	✓	
TPH/FL-PRO + WG	1 x 250 ml	✓	

OBSERVATIONS / NOTES:

Container for metals not included, Lab to get aliquot from other containers

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [signature]

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: PCY RFI SWMU 10
Project No.: N9061

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: PCY S10 Z5 06
Sample Location: Z5
Sampled By: WDO
C.O.C. No.:

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

GRAB SAMPLE DATA:

Date: 4/30/03
Time: 1200
Method: DPT
Monitor Reading (ppm): 62.8

Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
4-6'	TAN	Fine sand with gravel, wet @ 6'

COMPOSITE SAMPLE DATA:

Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

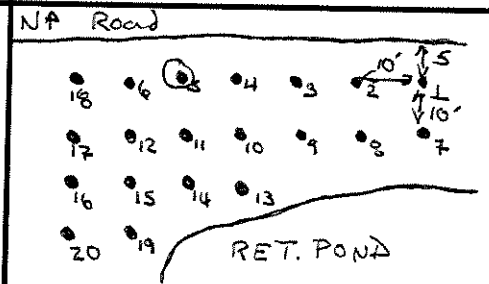
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs 8260	3 X encore		
SVOCs 8270	1 x 125 ml		
grain size	1 x 950 ml		
TPH / FL-PRO + WG	2 50 ml		
SPLP / VOC	1 x 125 ml		
SPLP / SVOC	1 x 250 ml		
SPLP / FL-Pro	125 ml		

OBSERVATIONS / NOTES:

Container for metals analysis not ordered. Lab to get metals fraction from other containers submitted

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Walt D. Olson

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: PCY RFI SWMU 10
Project No.: N 9061

[] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: PCY S10 Z904
Sample Location: Z9
Sampled By: WDO
C.O.C. No.:

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

GRAB SAMPLE DATA:

	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 4/30/03	2-4'	gray	Fine Sand
Time: 1030			
Method: DPT			
Monitor Reading (ppm): 22.1			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

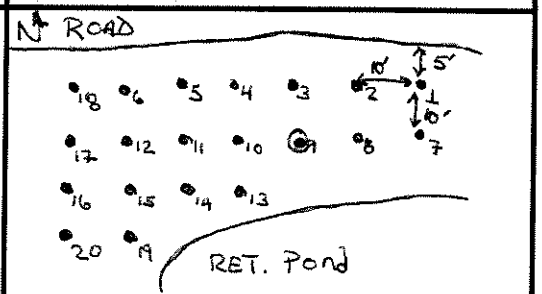
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs 8260	3 x encore		
SVOCs 8270	1x125 ml		
grain size	1 x 950 ml		
TRH / FL-PRO + WG	250 ml		

OBSERVATIONS / NOTES:

Container for metals analysis not ordered. Lab to get metals fraction from other containers submitted.

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [signature]

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: PCY RFI SWMU 10
Project No.: N9061

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: PCY S10 Z906
Sample Location: Z9
Sampled By: WDO
C.O.C. No.:

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

GRAB SAMPLE DATA:

	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 4/30/03 Time: 1045 Method: DPT Monitor Reading (ppm): 29.6	4-6'	TAN	Fine Sand, wet @ 6'

COMPOSITE SAMPLE DATA:

Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

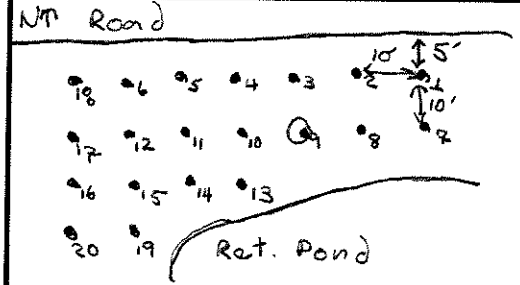
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs 8260	3 x encore		
SVOCs 8270	1x125 ml		
grain size	1x950 ml		
TPH / FL-PRO + WG	250ml		
SPLP/ VOC	1x125 ml		
SPLP/ SVOC	1x250ml		
SPLP/ FL-PRO	125 ml		

OBSERVATIONS / NOTES:

Container for metals analysis not ordered. Lab to get metals fraction from other containers submitted.

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): W. D. Olson

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SOIL & SEDIMENT SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: PCY RFI SWMU 10
Project No.: N9061

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: PCY S10 Z1404
Sample Location: Z14
Sampled By: WPO
C.O.C. No.:

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

GRAB SAMPLE DATA:

	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 4/30/03 Time: 1135 Method: DPT 67.5 Monitor Reading (ppm): ~~26.4~~ ND	2-4	GRAY	Fine Sand, Petroleum odor

COMPOSITE SAMPLE DATA:

Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

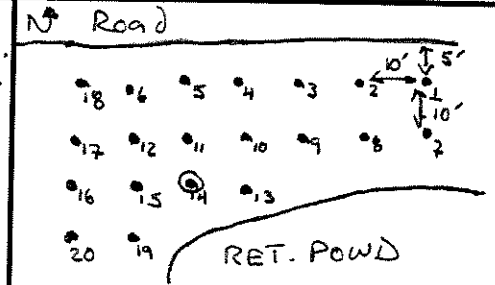
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs 8260	3x encore		
SVOCs 8270	1x 125 ml		
grain size	1x 950 ml		
TPH / FL-PRO + WG	250 ml		
SPLP / VOC	1x 125 ml		
SPLP / SVOC	1x 250 ml		
SPLP / FL-PRO	125 ml		

OBSERVATIONS / NOTES:

Container for metals sample not ordered. Lab to get metals fraction from other containers submitted.

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: PCY RFI SWMU 10
Project No.: N906L

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: PCY S10 Z1406
Sample Location: Z14
Sampled By: WDO
C.O.C. No.:

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

GRAB SAMPLE DATA:

	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 4/30/03 Time: 1150 Method: DPT Monitor Reading (ppm): 26.4	4-6'	Gray	Fine Sand, wet @ 6'

COMPOSITE SAMPLE DATA:

Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

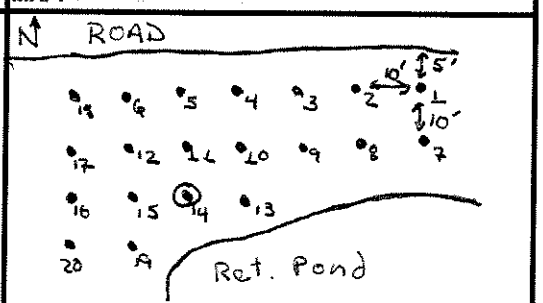
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs 8260	3x encore		
SVOCs 8270	1x 125 ml		
grain size	1x 950 ml		
TPH / FL-PRO + WG	250 ml		

OBSERVATIONS / NOTES:

Container for metals sample not ordered. Lab to get metals fraction from other containers submitted.

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [signature]

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BORING LOG

ASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N 9061
BORING ID:	S10 Z 1	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					TAN FS	SP
-2											
-3			Ø	—	NA					TAN FS	SP
-4											
-5			Ø	—	NA					white FS	SP
6										brown FS @ 6'	SP
-7			Ø	—	NA					white FS	SP
-8										gray clay @ 8'	CL
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
9											
-20											

Tetra Tech NUS, Inc.

BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	
BORING ID:	S10 Z2	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	10
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					TAN FS	SP
-2											
-3			0	-	NA					Gray FS	SP
-4											
-5			0	-	NA					White FS	SP
-6			0	-	NA					Gray Sandy clay	SC
-7										White FS	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
19											
-20											

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BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	
BORING ID:	S10 Z3	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					brown FS	SP
-2											
-3			Ø	-	NA					Brown FS, some gravel	SP
-4											
-5		PC4 S10Z306	24.2	9.1	15.1					tan FS w/brown clay	SC
-6											
-7			NA	NA			Ø			No rec.	—
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
-19											
-20											

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BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	
BORING ID:	S10 Z4	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS w/gravel	SP/SC
-2											
-3			Ø	—	NA					Brown FS w/gravel	SP/SC
-4										gray sand	
-5			Ø	—	NA					TAN FS w/black mottles	SP
-6											
-7			224.7	107.5	117.2			wet	Pet.		
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
-19											
-20											

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BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N9061
BORING ID:	S10 Z5	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS w/gravel	SP
-2											
-3			Ø	–	NA					Brown FS w/Gravel	SP
-4											
-5		PCY S107506	62.8	Ø	62.8					Tan FS w/gravel	SP
-6								WET			
-7			72.4	34.5	37.9				Pet.	TAN FS, Staining	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
19											
-20											

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BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N906L
BORING ID:	S10Z6	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS	SP
-2											
-3			Ø	-	NA					Brown FS	SP
-4											
-5			Ø	-	NA					Brown FS / Tan clay	SC
-6								Wet			
-7			689.1	556.9	132.2				Pet	Gray FS	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
'9											
-20											

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BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N906L
BORING ID:	S10Z7	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					TAN FS, appears undisturbed	SP
-2											
-3			Ø	–	NA					TAN FS	SP
-4											
-5			Ø	–	NA					White FS	SP
-6											
-7			474.0	320.1	153.9					Red/Brown FS	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
-19											
-20											

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BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N 906 L
BORING ID:	S10 Z8	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS	SP
-2											
-3			Ø	–	NA					TAN FS	SP
-4											
-5			Ø	–	NA			wet		TAN FS	SP
-6											
-7			207.5	133.7	73.8				Strong	White FS	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
-19											
-20											

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BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N906L
BORING ID:	S10Z9	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS	SP
-2			Ø	—	NA					0-2' OVA Screening on 5/1/03	
-3		PC4S10Z904	22.1	Ø	22.1					Gray FS	SP
-4											
-5		PC4S10Z906	29.6	Ø	29.6					TAN FS	SP
-6								wet			
-7			14.9	Ø	14.9				Pet.	TAN FS w/black Stains	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
-19											
-20											

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BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N 9061
BORING ID:	S 10 Z 10	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS	SP
-2											
-3			Ø	-	NA					Brown FS	SP
-4											
-5			Ø	-	NA			wet		Brown FS	SP
-6											
-7			2799	1236	1563				Pet.	White FS, black stain	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
9											
-20											

Tetra Tech NUS, Inc.

BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N 9061
BORING ID:	S10 Z11	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					TAN FS	SP
-2											
-3			Ø	—	NA					Brown FS	SP
-4											
-5			5.1	Ø	5.1			wet		Brown FS	SP
-6											
-7			107.5	52	55.5				Pet.	White FS w/black Staing	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
-19											
-20											

Tetra Tech NUS, Inc.

BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N906L
BORING ID:	S10Z12	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					TAW FS	SP
-2											
-3			Ø	-	NA					TAW FS	SP
-4											
-5			Ø	-	NA			wet		Brown FS	SP
-6											
-7			46.5	Ø	46.5				Pet.	white FS w/black stains	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
-19											
-20											

Tetra Tech NUS, Inc.

BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N 9061
BORING ID:	S10-Z13	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS	SP
-2											
-3			Ø	–	NA					Brown FS	SP
-4								wet			
-5			Ø	~	NA					Tan FS, Clay @ 5'	SP/CL
-6									~~Pet~~	~~White FS w/black stain~~	
-7			2615	840	1775				PET	White FS w/black stain	SC
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
-19											
-20											

Tetra Tech NUS, Inc.

BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N9061
BORING ID:	S10Z14	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/29/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			Ø	—	NA					TAN FS	SP
-2											
-3		PC4S10Z1404	67.5	Ø	67.5				Pet.	Gray FS	SP
-4											
-5		PC4S10Z1406	26.4	Ø	26.4			wet↓		Gray FS	SP
-6											
-7			2040	1309	731				Pet.	Gray FS	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
9											
-20											

Tetra Tech NUS, Inc.

BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N9061
BORING ID:	S10 Z15	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/30/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS	SP
-2			Ø	—	NA					0-2' OVA Screening on 5/1/03	
-3			66.4	20	46.4					TAN FS	SP
-4									Slight		
-5			34.4	8.5	25.9			wet @ 6'		BROWN FS	SP
-6											
-7			NR				Ø			NR	
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
-19											
-20											

Tetra Tech NUS, Inc.

BORING LOG

BASE:	CSS Panama City	SITE ID:	SWMU-10	PROJECT NO:	N 9061
BORING ID:	S10 Z16	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/30/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS	SP
-2											
-3			Ø	–	NA					Brown FS	SP
-4											
-5			Ø	–	NA					Brown FS	SP
-6											
-7			NR				Ø			NR	
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
-19											
-20											

Tetra Tech NUS, Inc.

BORING LOG

BASE:	CSS Panama City	SITE ID:	~~AOC 2~~ SWMU 10	PROJECT NO:	~~CTO-289/N1473~~ N9061
BORING ID:	S10 Z17	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/30/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS	SP
-2											
-3			Ø	—	NA					BROWN FS	SP
-4											
-5			Ø	—	NA			wet @ 6'		BROWN FS	SP
-6											
-7			17.6	17.2	0.4					White FS with shells	SP/SC
-8										Clayey @ 7'	
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
9											
-20											

Tetra Tech NUS, Inc.

BORING LOG

BASE:	CSS Panama City	SITE ID:	~~AOC-2~~ SWMU 10	PROJECT NO:	~~CTO-289/N1473~~ N9061
BORING ID:	S10Z18	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	4/30/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6'

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FILTERED	CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					TAN FS	SP
-2											
-3			Ø	–	NA					Brown FS	SP
-4											
-5			Ø	–	NA			wet @6'		Brown FS	SP
-6											
-7			98.2						Pet.	White FS, Staining	SP
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
19											
-20											

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BORING LOG

BASE:	CSS Panama City	SITE ID:	~~AOC-2~~ SWMU 10	PROJECT NO:	~~CTO-289/N1473~~ N9061
BORING ID:	S10 Z19	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	5/1/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FILTERED	CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Lt Brown FS	SP
-2											
-3			Ø	–	NA					Lt Brown FS, some gravel	SP/SG
-4											
-5			Ø	–	NA			wet @6'		Brown FS	SP
-6										Gray clay	CL
-7			Ø	–	NA					Gray Clay w/Sand	CL/SC
-8										White FS	SP
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
19											
-20											

Tetra Tech NUS, Inc.

BORING LOG

BASE:	CSS Panama City	SITE ID:	~~AOC 2~~ SWMU 10	PROJECT NO:	~~CTO-289/N1473~~ N9061
BORING ID:	S10Z20	PIEZOMETER ID:	NA	WELL ID:	NA
CONTRACTOR:	Prosonic Corportion	COMPLETION DATE:	5/1/03	LOGGED BY:	Bill Olson
METHOD:	DPT	BORING DIAMETER:	3-inch	TOTAL DEPTH (FT BLS):	8
TOC ELEVATION (FT MSL):	NA	SCREEN INTERVAL:	NA	DEPTH TO GW (FT BLS):	6

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE ID	FID (PPM) UNFILTERED	FID (PPM) FILTERED	FID (PPM) CORRECTED	SPT BLOWS (PER 6")	RECOVERY (Inches)	MOISTURE	ODOR	LITHOLOGIC DESCRIPTION	USCS
-1			NA	NA	NA					Brown FS	SP
-2											
-3			Ø	—	NA					Brown FS	SP
-4											
-5								wet @ 6'		Brown FS w/gray clay	SP/SC
-6											
-7			NR				Ø			NR	
-8											
-9											
-10											
-11											
-12											
-13											
-14											
-15											
-16											
-17											
-18											
19											
-20											

Tetra Tech NUS, Inc.

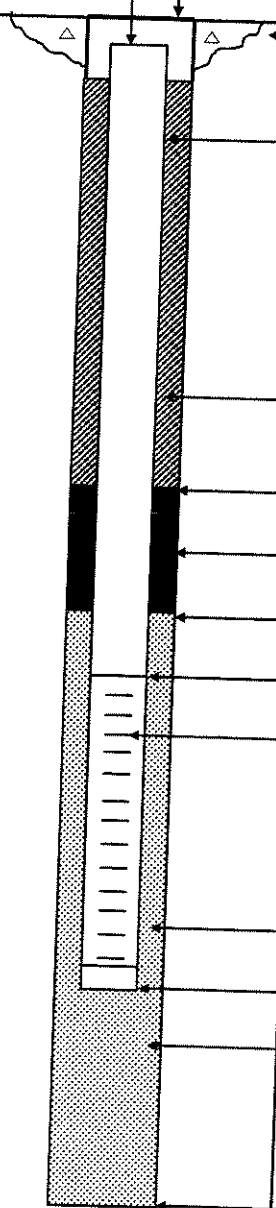
WELL No.: PCy-10 -9

MONITORING WELL SHEET Replacement for TGW

PROJECT:	CSS Panama City	DRILLING Co.:	Prosonic Corp.	BORING No.:	NA
PROJECT No.:	N9061	DRILLER:	L. Rochebleve	DATE COMPLETED:	5/1/03
SITE:	SWMU-10	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	Bill Olson	DEV. METHOD:	Surge/Pump	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: / FM

Elevation / Height of Top of Surface Casing: / FM

I.D. of Surface Casing: 8"

Type of Surface Casing: Bolt down

Type of Surface Seal: 2x2 Pad

I.D. of Riser: 1"

Type of Riser: Sched 40 PVC

Borehole Diameter: 3"

Type of Backfill: Concrete

Elevation / Depth of Seal: / 1'

Type of Seal: bent. Pellets

Elevation / Depth of Top of Filter Pack: / 2'

Elevation / Depth of Top of Screen: / 3'

Type of Screen: Sched 40 PVC

Slot Size x Length: 0.010 X 10'

I.D. of Screen: 1"

Type of Filter Pack: 20/30 Prepack

Elevation / Depth of Bottom of Screen: / 13'

Elevation / Depth of Bottom of Filter Pack: / 13'

Type of Backfill Below Well: NA

Elevation / Total Depth of Borehole: / 13'

Tetra Tech NUS, Inc.

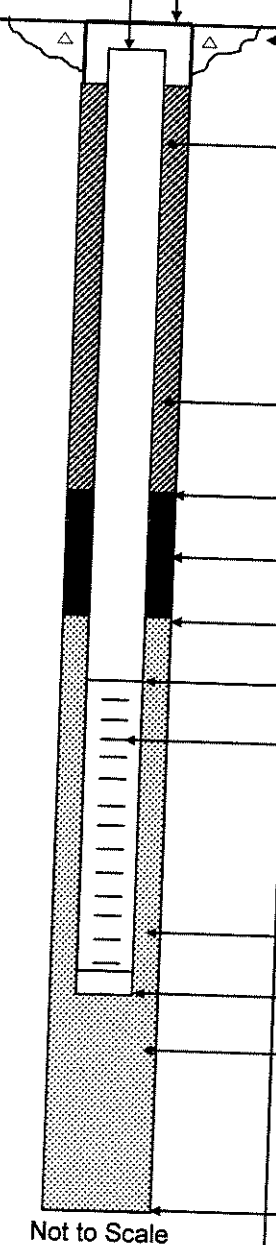
WELL No.: PCY-10-1R

MONITORING WELL SHEET

PROJECT:	CSS Panama City	DRILLING Co.:	Prosonic Corp.	BORING No.:	NA
PROJECT No.:	N 9061	DRILLER:	L. Rochelleau	DATE COMPLETED:	5/1/03
SITE:	SWMU-10	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	Bill Olson	DEV. METHOD:	Surge/Purge	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: / FM

Elevation / Height of Top of Surface Casing: / FM

I.D. of Surface Casing: 8"

Type of Surface Casing: Bolt Down

Type of Surface Seal: 2x2 Pad

I.D. of Riser: 1"

Type of Riser: Sched 40 PVC

Borehole Diameter: 3"

Type of Backfill: Concrete

Elevation / Depth of Seal: / 1'

Type of Seal: bent. Pellets

Elevation / Depth of Top of Filter Pack: / 2'

Elevation / Depth of Top of Screen: / 3'

Type of Screen: Sched 40 PVC

Slot Size x Length: 0.010 x 10'

I.D. of Screen: 1"

Type of Filter Pack: 20/30 Prepack

Elevation / Depth of Bottom of Screen: / 13'

Elevation / Depth of Bottom of Filter Pack: / 13'

Type of Backfill Below Well: NA

Elevation / Total Depth of Borehole: / 13'

Tetra Tech NUS, Inc.

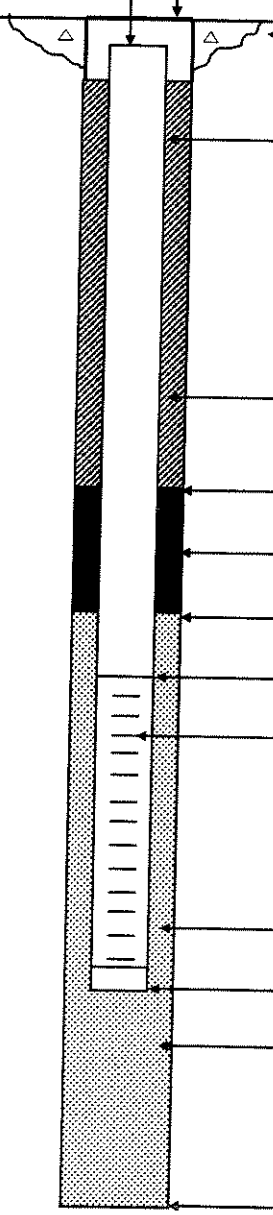
WELL No.: PC4-10-8R

MONITORING WELL SHEET

PROJECT:	CSS Panama City	DRILLING Co.:	Prosonic Corp.	BORING No.:	NA
PROJECT No.:	W9061	DRILLER:	L. Rochelle	DATE COMPLETED:	5/1/03
SITE:	SWMU-10	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	Bill Olson	DEV. METHOD:	Surg/Pump	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: 1FM

Elevation / Height of Top of Surface Casing: 1FM

I.D. of Surface Casing: 8"

Type of Surface Casing: Bolt down

Type of Surface Seal: 2x2 Pad

I.D. of Riser: 1"

Type of Riser: Sched 40 PVC

Borehole Diameter: 3"

Type of Backfill: Concrete

Elevation / Depth of Seal: 11'

Type of Seal: bent. Pellets

Elevation / Depth of Top of Filter Pack: 12'

Elevation / Depth of Top of Screen: 13'

Type of Screen: Sched 40 PVC

Slot Size x Length: 0.010 x 10'

I.D. of Screen: 1"

Type of Filter Pack: 20/30 Prepack

Elevation / Depth of Bottom of Screen: 13'

Elevation / Depth of Bottom of Filter Pack: 13'

Type of Backfill Below Well: NA

Elevation / Total Depth of Borehole: 13'

Tetra Tech NUS, Inc.

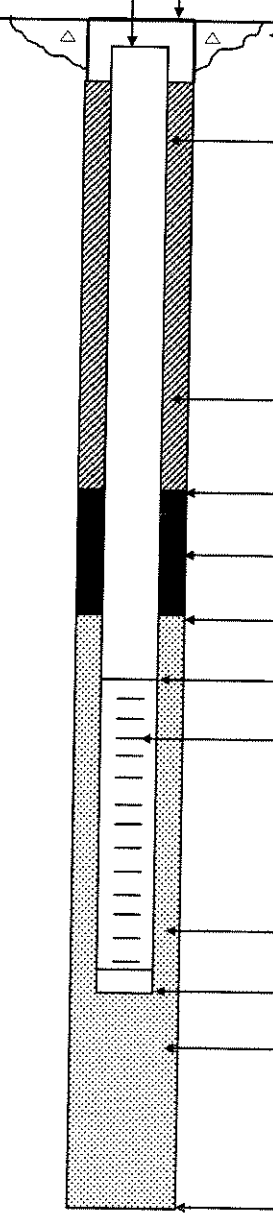
WELL No.: PC4-10-4R

MONITORING WELL SHEET

PROJECT:	CSS Panama City	DRILLING Co.:	Prosonic Corp.	BORING No.:	NA
PROJECT No.:	N9061	DRILLER:	L. Rocheblave	DATE COMPLETED:	5/1/03
SITE:	SWMU-10	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	Bill Olson	DEV. METHOD:	Surge/Purge	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: / FM

Elevation / Height of Top of Surface Casing: / FM

I.D. of Surface Casing: 8"

Type of Surface Casing: Bolt Down

Type of Surface Seal: 2x2 PAD

I.D. of Riser: 1"

Type of Riser: Sched 40 PVC

Borehole Diameter: 3"

Type of Backfill: Concrete

Elevation / Depth of Seal: / 1'

Type of Seal: bent. Pellets

Elevation / Depth of Top of Filter Pack: / 2'

Elevation / Depth of Top of Screen: / 3'

Type of Screen: Sched 40 PVC

Slot Size x Length: 0.010 x 10'

I.D. of Screen: 1"

Type of Filter Pack: 20/30 Prepack

Elevation / Depth of Bottom of Screen: / 13'

Elevation / Depth of Bottom of Filter Pack: / 13'

Type of Backfill Below Well: NA

Elevation / Total Depth of Borehole: / 13'

Tetra Tech NUS, Inc.

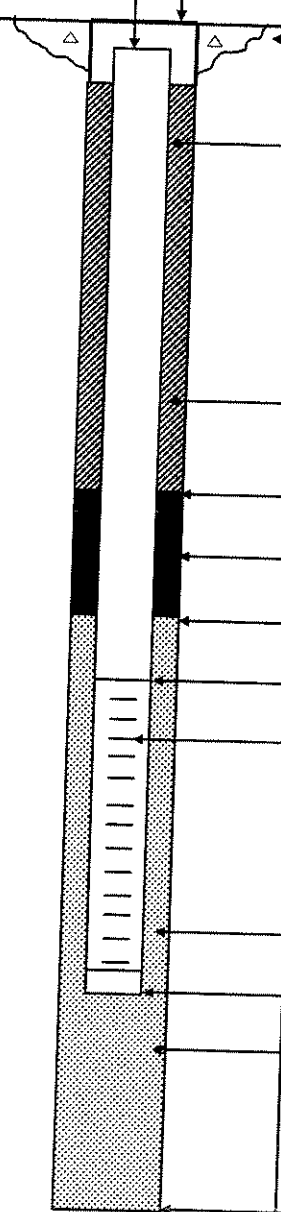
WELL No.: PCy-10-SAR

MONITORING WELL SHEET

PROJECT:	CSS Panama City	DRILLING Co.:	Prosonic Corp.	BORING No.:	NA
PROJECT No.:	N9061	DRILLER:	L. Rochebleau	DATE COMPLETED:	5/1/03
SITE:	SWMU-10	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	Bill Olson	DEV. METHOD:	Surge/Pump	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: 1 FM

Elevation / Height of Top of Surface Casing: 1 FM

I.D. of Surface Casing: 8"

Type of Surface Casing: Boltdown

Type of Surface Seal: 2x2 Pad

I.D. of Riser: 1"

Type of Riser: Sched 40 PVC

Borehole Diameter: 3"

Type of Backfill: ~~Bentonite Concrete~~ Neat cement grout

Elevation / Depth of Seal: 15'

Type of Seal: bentonite pellets

Elevation / Depth of Top of Filter Pack: 23'

Elevation / Depth of Top of Screen: 25'

Type of Screen:

Slot Size x Length: 0.010 X 5'

I.D. of Screen: 1"

Type of Filter Pack: 20/30 Prepack

Elevation / Depth of Bottom of Screen: 30'

Elevation / Depth of Bottom of Filter Pack: 30'

Type of Backfill Below Well: NA

Elevation / Total Depth of Borehole: 30'

Appendix G

Regulatory Comments and Navy Response to Comments on the Draft CMS Addendum

September, 2003

Response to Comments

FDEP Comments

1. **General Comment:** Compare the manganese groundwater concentrations to the range of background samples that have been taken for the base instead of comparing it to the 2x the average background concentration. Doing this may help in eliminating some of the manganese contamination on site, please remember this approach can only be used when screening secondary standards.

   Response: As suggested, the CMS Addendum has been revised to compare manganese to the range of background concentrations. It turned out that this change did not significantly affect the interpretation of results for manganese.

2. **General Comment:** It was decided by the partnering team that SWMU 9 would be left out of this CMS because groundwater did not have any exceedences above the Florida GCTL's during the last groundwater sampling event. Since this report has been issued SWMU 9 was sampled again and contamination exceeding Florida GCTL's were detected. If this situation persists SWMU 9 may have to be added to the CMS at some future date.

   Response: The CMS Addendum has been revised to incorporate this comment. Additional groundwater sampling at SWMU 9 will occur in 2004, and the partnering team will use the results to determine the appropriate course of action for SWMU 9.

3. **Page 4-1, Section 4.1 SWMU10 Subsurface Soil, 1st paragraph:** The inorganics found in the groundwater as a result of the dirt that filled in the excavated dirt needs to be addressed. The soil needs to be sampled and analyzed for inorganics to see if it is acting as the source for the contamination at the site.

   Response: The incorporation of additional sampling has been added to the report, as suggested.

4. **Section 6.1.1.1 Description of Alternative 10-2: Monitored Natural Attenuation:** Monitoring well PC-363-MW-3 needs to be monitored for inorganics as well. This is due to the 358 ug/L of manganese found during the last sampling event.

   Response: The additional monitoring has been added to the report, as suggested.

5. **Section 6.1.1.1 Description of Alternative 10-2: Monitored Natural Attenuation:** An additional monitoring well needs to be installed down gradient from monitoring well PC-363-MW-2 to demonstrate that contamination is not transporting to St. Andrew Bay.

Response: The CMS Addendum has been revised to incorporate the additional monitoring well, as suggested. Since the ground surface drops off sharply toward the bay, access for well installation may be an issue. The best accessible location down-gradient of PC-363-MW-2 will be chosen.

6. **Section 6.2.2.1 Description of Alternative 1-4: Monitored Natural Attenuation:** The surface water will need to be sampled in the area adjacent to monitoring wells PCY-13-18 and PCY-13-17 to determine if the surface water exceeds surface water standards for the contaminants of concern for this site. Monitoring well PCY-13-18 should be re-sampled the bis(2-ethylhexyl)phthalate could be from contamination from the lab.

Response: The CMS Addendum has been revised to incorporate the additional sampling, as suggested.

EPA Comments

I have one minor comment but it may not be necessary if it is in the original CMS and only need to be repeated in the SoB. The no action alternative should be included as a baseline, and since clean-up is based on Florida GWCTL standard the risk level (10^{-6}) it corresponds to should be referenced when it is first mentioned.

Response: The no action alternative will be repeated in the Statement of Basis. The CMS Addendum has been revised to reference the risk level of 10^{-6}, as suggested.