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NAS KEY WEST
5090.3a

EXPLANATION OF SIGNIFICANT DIFFERENCES FOR THE DEFENSE REUTILIZATION AND MARKETING OFFICE WATER TOWER SITE WITH TRANSMITTAL LETTER NAS KEY WEST FL

9/21/2004

TETRA TECH NUS

TETRA TECH NUS, INC.

AIK-04-0224

September 21, 2004

Project Number HK N0639 *via FedEx*

Commander
Department of the Navy
SOUTHDIV NAVFACENGCOM
ATTN: Jim Reed (Code ES33)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

Reference: CLEAN Contract No. N62467-94-D-0888
Contract Task Order No. 0349

Subject: Explanation of Significant Differences for Former DRMO Water Tower Site, Rev. 0, Naval Air Station, Key West, Florida

Dear Mr. Reed:

I have enclosed a CD containing an electronic copy of the Explanation of Significant Differences for Former DRMO Water Tower Site, Rev. 0, Naval Air Station Key West, Florida. As you requested, this file is being distributed to Jeff Meyers for review and comment. Copies of this file are also being sent to NAS Key West as a courtesy to the station.

Please call me at (803) 649-7963, extension 345, if you have any questions regarding the enclosed document.

Sincerely,

C. M. Bryan
Project Manager

CMB:spc

c: Ms. Debra M. Humbert (Cover Letter Only)
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Explanation of Significant Differences for Former Water Tower Site

Naval Air Station
Key West, Florida

Southern Division
Naval Facilities Engineering Command

Contract Number N62467-94-D-0888
Contract Task Order 0349

September 2004

Rev. 0
09/21/04

EXPLANATION OF SIGNIFICANT DIFFERENCES

FOR

FORMER DRMO WATER TOWER SITE
NAVAL AIR STATION
KEY WEST, FLORIDA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

Submitted to:
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Naval Facilities Engineering Command
2155 Eagle Drive
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CONTRACT NUMBER N62467-94-D-0888
CONTRACT TASK ORDER 0349

September 2004

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ACRONYMS

bls	below land surface
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CLEAN	Comprehensive Long-term Environmental Action Navy
CTL	Cleanup Target Level
CTO	Contract Task Order
DRMO	Defense Reutilization and Marketing Office
EE/CA	Engineering Evaluation/Cost Analysis
ESD	Explanation of Significant differences
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
GCTL	Groundwater Cleanup Target Level
GPS	Global Positioning System
IRA	Interim Remedial Action
LUC	Land Use Controls
MS	matrix spike
MSD	matrix spike duplicate
NA	Not Applicable
NAS	Naval Air Station
NAVFAC EFD SOUTH	Southern Division, Naval Facilities Engineering Command
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
PCB	Polychlorinated Biphenyl
ppb	parts per billion
ppm	parts per million
QC	quality control
RCRA	Resource Conservation and Recovery Act
SCTL	Soil Cleanup Target Level
SOP	Standard Operating Procedure
SSI	Supplemental Site Inspection
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TN&A	TN & Associates, Inc
TtNUS	Tetra Tech NUS, Inc.
VOC	Volatile Organic Compound

1.0 INTRODUCTION AND STATEMENT OF PURPOSE

Tetra Tech NUS, Inc. (TtNUS) has been contracted by the Department of the Navy, Southern Division, Naval Facilities Engineering Command (NAVFAC EFD SOUTH) to support the interim remedial action (IRA) at the Former Water Tower Site at the Naval Air Station (NAS) Key West, Florida. The IRA was conducted under the Department of Defense's Base Realignment and Closure (BRAC) program in accordance with §300.435(c)(2)(l) of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP).

The purpose of this report is to provide a description of the IRA and to fulfill the requirements of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) section 117(b), which requires a discussion of the reasons for any significant changes made to the selected remedy. The site of interest is a 170-foot by 171.97-foot parcel of property known as the Former Water Tower Site, which is located within the former Truman Annex Defense Reutilization and Marketing Office (DRMO) Waste Storage Area. Changes made after selection of the DRMO Waste Storage Area final remedy in the Decision Document for Ten BRAC Sites (TtNUS, 2002a) are discussed in this report.

This report consists of four chapters. Chapter 1 includes the introduction, purpose, and scope of the document; a facility description; and history of the Former Water Tower Site. Chapter 2 is the Field Summary Report for the IRA. Chapter 3 is the Explanation of Significant Differences (ESD). Chapter 4 includes conclusions and recommendations. This report was prepared under the Comprehensive Long-term Environmental Action Navy (CLEAN) Contract Number N62467-94-D-0888, Contract Task Order (CTO) Number 0349.

1.1 FACILITY BACKGROUND

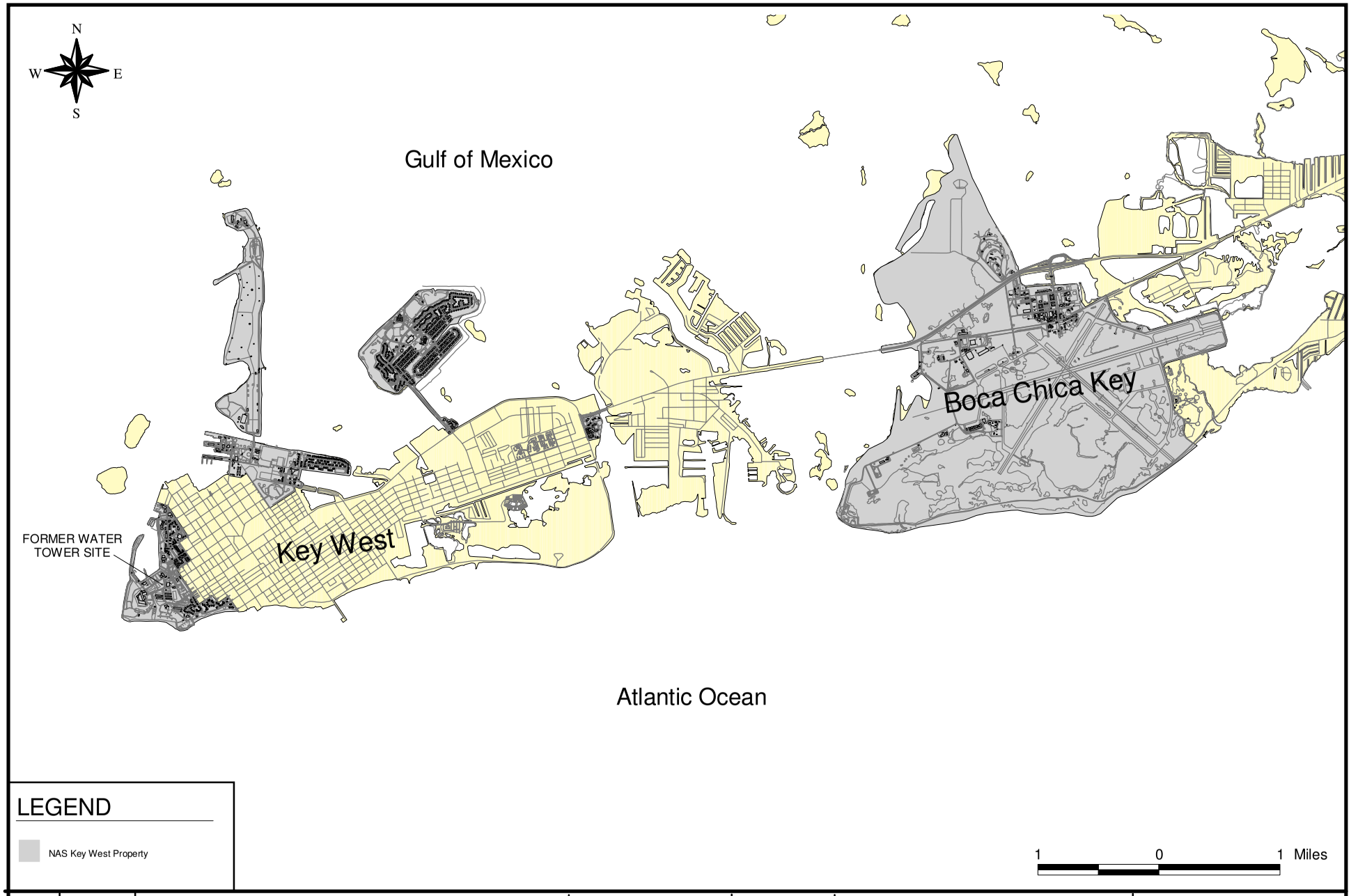
Several installations in various parts of the lower Florida Keys comprise NAS Key West. The Navy manages over 5,000 acres of land divided amongst numerous tracts of land in the lower Florida Keys, concentrated around Key West and Boca Chica Key (Figure 1-1) in southern Monroe County (Brown and Root Environmental, 1998). Key West is approximately 150 miles southwest of Miami and 90 miles north of Havana, Cuba. Key West connects to the mainland by the Overseas Highway (U.S. Highway 1). The environmental setting at Key West is described in the Site Inspection Report for Nine BRAC Parcels (TtNUS, 1999a).

The Former Water Tower Site is located on the eastern end of the DRMO Waste Storage Area at Truman Annex (Figure 1-2). The DRMO Waste Storage Area was used to store excess government materials,

primarily metal debris. Several investigations were conducted to determine the nature and extent of contamination at the DRMO Waste Storage Area. Low concentrations of polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs) and inorganic chemicals were detected in the surface soil at the DRMO Waste Storage Area. These investigations are summarized in the Supplemental Site Inspection (SSI) Report for BRAC Parcels at Truman Annex (TtNUS, 1999b). Based on results of these investigations, the DRMO Waste Storage Area was remediated in early 1999. Approximately 12,000 cubic yards of soil were removed from the area, including portions of the Former Water Tower Site, and replaced with clean backfill (Bechtel Environmental, Inc., 1999). The area excavated in 1999 is shown in Figure 1-2. The majority of the property has been transferred from Navy ownership to the City of Key West. However, the water tower and an area immediately surrounding the tower that measures 170 feet by 171.97 feet were retained by NAS Key West. In the fall of 2003, the Navy secured an alternate water supply and determined that the water tower was no longer needed for operations. The water tower was removed in September 2003.

In June 2004, additional delineation of the Former Water Tower Site was performed to identify any soil contamination that could pose a risk to human or ecological receptors in the future, based on the planned reuse of the property. Due to uncertainty about the location of underground structures a geophysical survey was performed prior to sampling. Soil delineation samples then were collected. PCBs and inorganics (e.g., antimony, arsenic, and lead) were detected in soil samples collected from the Former Water Tower Site at concentrations greater than the cleanup target levels (CTLs) established by the Florida Department of Environmental Protection (FDEP). These results are documented in the Field Summary Report and Engineering Evaluation/Cost Analysis (EE/CA) of Alternatives for the Former Water Tower Site (TtNUS, 2004). The Base Reuse Plan indicates that the property will be designated as Mixed Use and Pocket Parks (B&A, 1997).

In August 2004, the Navy conducted an IRA to remove contaminated soils from the Former Water Tower Site. During the IRA approximately 1,930 cubic yards of contaminated soils from depths of 2 feet and 6 feet below land surface (bls) were removed. Contaminants were left in place in the side walls of the excavation at three locations where the excavation was completed to the Navy's property line. Clean fill was placed in the excavation to reduce the possibility of exposure to the potentially contaminated soil remaining below the depth of excavation. Chapter 2 provides a more detailed description of the IRA.



LEGEND

NAS Key West Property

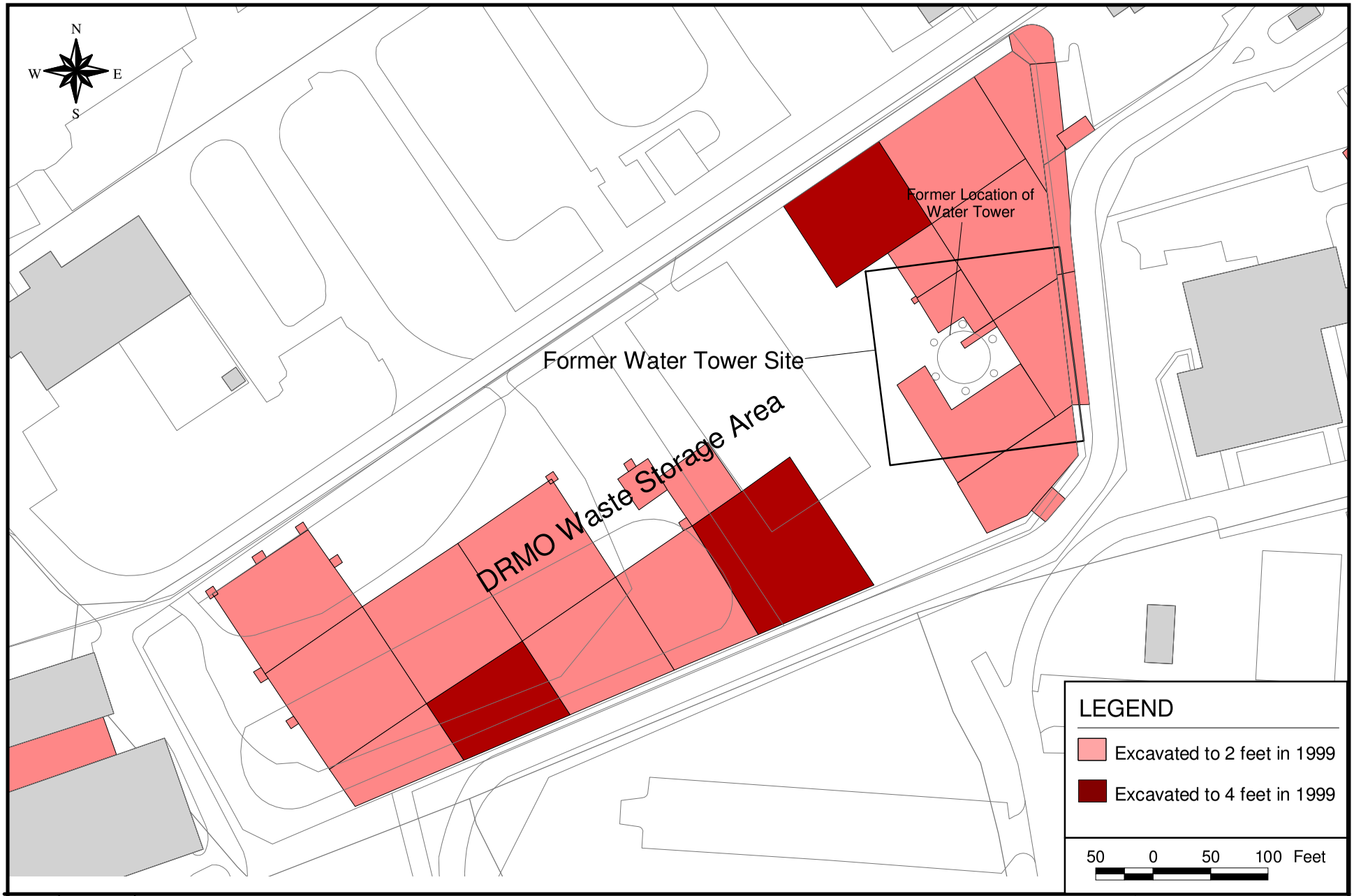
NO.	DATE	REVISIONS

DRAWN BY EHM	DATE 09/09/2004
CHECKED BY ACL	DATE 09/15/2004
COST/SCHED-AREA	
SCALE AS NOTED	

FACILITY LOCATION MAP
EXPLANATION OF SIGNIFICANT DIFFERENCES
FORMER WATER TOWER SITE
NAVAL AIR STATION
KEY WEST, FLORIDA

CONTRACT NO. N0693	
APPROVED BY CMB	DATE 09/15/2004
APPROVED BY	DATE
FIGURE NO. 1-1	REV. 0

K:\WATER TOWER ESD REPORT.APR LAYOUT: ESD FIGURE 1-1 BY: EHM DATE: 09/15/2004



NO.	DATE	REVISIONS

DRAWN BY EHM	DATE 09/09/2004
CHECKED BY ACL	DATE 09/15/2004
COST/SCHED-AREA	
SCALE AS NOTED	

SITE LOCATION MAP
EXPLANATION OF SIGNIFICANT DIFFERENCES
FORMER WATER TOWER SITE
NAVAL AIR STATION
KEY WEST, FLORIDA

CONTRACT NO. N0693	
APPROVED BY CMB	DATE 09/15/2004
APPROVED BY	DATE
FIGURE NO. 1-2	REV. 0

K:\WATER TOWER ESD REPORT.APR LAYOUT: ESD FIGURE 1-2 BY: EHM DATE: 09/15/2004

2.0 INTERIM REMEDIAL ACTION

In June 2004, TtNUS performed delineation sampling at the Former Water Tower Site. Results from the delineation sampling event determined that chemical contaminants (e.g., lead and PCBs) within the soil at the Former Water Tower Site needed to be addressed via excavation of the contaminated soils with off-site disposal.

2.1 FIELD WORK

The Former Water Tower Site at NAS Key West is a 170-foot by 171.97-foot area located at Truman Annex (Figure 1-2). During the delineation sampling effort in June 2004, a grid was established at the site to identify areas with contamination concentrations that exceed FDEP CTLs for soil as identified in 62-777 Florida Administrative Code (FAC). The IRA occurred from 2 August to 21 August 2004. During the IRA, soils were excavated from the grid cells. To avoid spreading contamination, excavated soils were stockpiled on grid cells that were slated for excavation at a later date. Immediately following each excavation, confirmation samples were collected from the side walls and floors of the excavated grid cells, as appropriate, and were analyzed for PCBs and metals to determine if further action was necessary. Due to the continuing detection of PCBs above FDEP residential soil CTLs (SCTLs), four excavation plans were constructed as described below. The excavation was terminated when analytical results indicated that FDEP CTLs were not exceeded or the excavation extended to the property boundary. The validated laboratory results are presented in Table 2-1. All field work was conducted in accordance with the approved work plan for the site (TtNUS, 2004, Chapter 3).

Plan A, the initial excavation plan, included five grid cells (i.e., 5, 6, 7, 10, and 11) where delineation sample results indicated that the concentration of one or more contaminants exceeded residential SCTLs (Figure 2-1). Soils in grid cells 6, 7, 10, and 11 were excavated to a depth of 2 feet bls. Soils in grid cell 5 were excavated to a depth of 6 inches bls. However, confirmation sample results exceeding FDEP residential SCTLs for PCBs indicated a need for further action.

Plan B (Figure 2-2) extended the excavation of grid cell 5 to a depth of 2 feet bls. The excavation was also extended into grid cells 1, 2, 9, 12, 13, 14, and 15 to a depth of 2 feet bls. The vertical excavation of grid cell 10 was extended to a depth of 4 feet bls. PCB concentrations in several confirmation samples collected from the extended excavation area again exceeded the FDEP CTLs, indicating a need for further action.

Plan C (Figure 2-3) extended the excavation of grid cell 2 into the southwestern corner of grid cell 3 to a depth of 2 feet bls. Excavation was also extended into the remainder of grid cells 9, 12 (to the fence line), 13, 14, 15, and 16 (to the fence line) to a depth of 2 feet bls. Grid cell 10 was extended to a depth of 6 feet bls. Delineation sampling results for the center of grid cell 3 indicated that contaminant concentrations were below FDEP CTLs (TtNUS, 2004). Therefore, no confirmation samples were required in grid cell 3. PCB concentrations in several confirmation samples collected from other locations within the extended excavation area exceeded the FDEP CTLs, indicating a need for further action.

Plan D (Figure 2-4) extended the excavation grid cell 12 from the fence line to the facility property line to a depth of two feet bls.

The IRA removed a total of 2,509 tons (approximately 1,930 cubic yards) of contaminated soils from depths of 2 feet to 6 feet bls (TN&A, 2004). Approximately 931 cubic yards (1,210 tons) of the soil removed from the Former Water Tower Site, were fill material from the 1999 IRA at the DRMO Waste Storage Area. The total area excavated in 1999 is shown in Figure 1-2. The excavation footprint for this investigation and the excavated area from the 1999 IRA are shown in Figure 2-5.

All soil to a depth of 2 feet bls meets FDEP residential SCTLs, as listed in Chapter 62-777 FAC, Table II. Soil at depths greater than 2 feet meets leachability criteria based on Groundwater Cleanup Target Levels (GCTLs) as listed in Chapter 62-777, FAC, Table II. Contaminated soils at concentrations above action levels were left in place in the side walls of the excavation at three locations where the excavation was completed to the Navy's property line (Figure 2-6). Approximately 3,400 tons of clean fill was placed in the excavation to reduce the possibility of exposure to the potentially contaminated soil remaining below the depth of excavation (TN&A, 2004).

After the back fill was placed in the excavation, samples of the fill material were collected at three locations, sample points FB01, FB02, and FB03 (Figure 2-7). The samples were analyzed at a fixed base laboratory for PCBs, volatile organic compounds (VOCs), SVOCs, and metals. The laboratory results are presented in Table 2-2. No VOCs or PCBs were detected. Two SVOCs, bis(2-ethylhexyl)phthalate and di-n-octyl phthalate were detected at concentrations well below the corresponding FDEP residential SCTLs. Fifteen metals were detected, all of which were well below the corresponding FDEP residential SCTLs.

2.2 CONFIRMATION SAMPLING

Confirmation sampling was conducted in accordance with the approved sampling plan for the site (TtNUS, 2004, Chapter 3). Immediately following completion of each excavation phase, grab samples

were taken from the side walls and floor of the excavation. A total of 98 confirmation samples was collected. Quality Control (QC) samples were collected as specified in the FDEP Standard Operating Procedure (SOP) FQ1000 – Field Quality Control Requirements (FDEP, 2002) and the Florida Regional Quality Assurance Program Manual (TtNUS, 2002b). Duplicate samples were collected at the rate of one per 10 samples. Matrix spike and matrix spike duplicate (MS/MSD) samples were collected at the rate of one per 20 samples per matrix. Equipment blanks were collected at a minimum of 5 percent of each reported test result/matrix combination. All sample collection sites were cleared for utilities by TtNUS prior to sampling. The locations of sample points were surveyed using global positioning system (GPS) instruments.

Confirmation samples were collected during 3-11 August 2004 and 16-20 August 2004. Samples were not collected during 12-15 August 2004 because of evacuations required due to the approach of Hurricane Charley. Fortunately, the hurricane's path was far enough from Key West to have little impact on the island. Work resumed as soon as evacuation orders were lifted by Monroe County.

2.2.1 Fixed-Base Laboratory

All soil samples from the excavated area were analyzed for PCBs, Target Analyte List (TAL) Metals plus Tin at Katahdin Analytical Services. Metals analyses, except mercury, were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 method 7471A. PCB analyses were conducted using SW-846 Method 8082. All analyses were conducted in accordance with Naval Facilities Engineering Service Center Quality Assurance/Quality Control criteria and reporting protocols. The soil sample collected at location 06F required a second extraction and reanalysis due to low surrogate recoveries; however, the results from the second extraction required dilutions that were too high to obtain an accurate reading. By this time, the sample collected at location 06F was out of holding time, which eliminated the possibility of a third extraction and reanalysis. Thus no usable data are available for the sample designated 6F.

Table 2-1 represents all the samples that were collected during confirmation sampling. PCBs were detected in approximately half of the confirmation samples. Aroclor-1260 was the only PCB that exceeded its action level and exceedences were noted in 27 of the samples. With few exceptions, when PCB exceedences were identified, the concentration exceeded the action level by a large margin. Due to the continuing detection of PCBs above FDEP residential SCTLs, four excavation plans were constructed. The excavation was terminated when analytical results indicated that FDEP CTLs were not exceeded or the excavation extended to the property boundary. PCB contaminated soils at concentrations above action levels were left in place in the side walls of the excavation at several locations where the excavation was completed to the Navy's property line (Figure 2-6).

In general, the concentrations of metals found in the soil samples were well below their associated action levels. Antimony, arsenic, chromium, copper, and lead were detected at concentrations that exceeded their associated action levels in some samples. However, with the exception of sample points 05W and 16S, the sample locations where these exceedences occurred were excavated and the soil transported offsite for disposal. Sample points 05W and 16S are located on the Navy's property line.

2.2.2 Immunoassay

Immunoassay was used for the field analysis because of its speed, sensitivity, selectivity, and relatively easy use. The PCB results obtained by the immunoassay were used to provide immediate PCB results for field decisions. It should be noted however, that decisions regarding the limits of excavation were based on sample results from the fixed-base laboratory.

Strategic Diagnostics Inc, of Newark, Delaware provided two kits, a sample extraction kit and an Ensys PCB Soil Test Kit (EPA Method 4020), for the immunoassay field analysis. The Ensys PCB Soil Test Kit is a semi-quantitative enzyme immunoassay used for the detection of PCBs in soil. The method identifies 95% of samples that are PCB-free and those containing 1 parts per million (ppm) or greater of PCBs. The kit standard provided was Aroclor-1260 (which is approximately 60% chlorine by weight), with a detection range of 1.0 to 500 ppm.

The determination of the presence of PCBs was made by comparing the color developed by a sample of unknown concentration with the color formed by the standard containing the analyte (Aroclor-1260) at a known concentration. The determination of the PCB concentration in the sample was interpreted relative to the kit standard by reading with a spectrophotometer. A positive photometer reading indicates that the PCB concentration in the sample is less than the testing level (standard) in the sample. A negative or zero photometer reading indicates that the PCB concentration in the sample is greater than or equal to the testing level (standard).

Soil samples were collected after completion of the Plan A excavation. On 5 August 2004 four soil samples were collected from sample points 06F, 07F, 10F and 11F at a depth of 24 inches. Additional samples were collected 7 August 2004 from the center of grid cell 3 and sample points 01C, 02C, 09C and 13C at an interval of 0 to 6 inches. These soil samples were analyzed in the field on 7 August 2004.

After completion of the Plan B excavation additional soil samples were collected. On 9 August 2004 soil samples were collected from sample points 12C and 12NW at intervals of 0 to 6 inches, 6 to 12 inches, and 12 to 24 inches. A soil sample was also collected from sample point 5F at a depth of 24 inches. These soil samples were analyzed in the field for the presence of PCBs on 10 August 2004. Additional

soil samples were collected on 10 August 2004 from sample points 14C, 15C, 15EN, and 16SW at intervals of 0 to 6 inches, 6 to 12 inches, and 12 to 24 inches. The soil samples were analyzed in the field for the presence of PCBs on 11 August 2004.

On 16 August 2004, following completion of the Plan C excavation, soil samples were collected from sample points 12EF and 16EF at intervals of 0 to 6 inches, 6 to 12 inches, and 12 to 24 inches. A soil sample was also collected from sample point 10F at a depth of 72 inches. The soil samples were analyzed in the field for the presence of PCBs on 17 August 2004.

On 18 August 2004, after completion of the Plan D excavation, a final set of three soil samples was collected and analyzed. The samples were collected from sample point 12ER at intervals of 0 to 6 inches, 6 to 12 inches, and 12 to 24 inches.

All soil samples were stored in ziploc® bags until analysis. Ten grams of soil from each sample location were analyzed. The samples were diluted to 0.5, 10 and 50 ppm to achieve a more specific quantification level. Duplicate standards were run to provide an internal test system QC. The standard used during the final round of testing on August 11 (0.36) was greater than the recommended QC limit of less than 0.30 (irrespective of the sign + or -) therefore the results may have been invalid. The results obtained from the immunoassay are presented in Table 2-3.

2.2.3 Correlation of Laboratory and Immunoassay Results

A comparison of the fixed-base laboratory results to the immunoassay results based on Aroclor-1260 standard proved to be a very valuable tool. By diluting the samples to 0.5, 10, and 50 ppm a direct correlation between the immunoassay and the fixed-based laboratory was ascertained and used as an aid in the decision process in the field environment.

TABLE 2-1

CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
PAGE 1 0F 42

Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
PCBs		**(ppb)**		**(ppb)**	**(ppb)**
C03V-06W-12-0804*	AROCLOR-1242	13	J	500	17000
C03V-07N-24-0804	AROCLOR-1242	11	J		
C03V-12C-06-0804*	AROCLOR-1242	39			
C03V-09WN-06-0804	AROCLOR-1248	28			
C03V-01C-06-0804	AROCLOR-1254	270	J		
C03V-13C-06-0804*	AROCLOR-1254	250			
C03V-15S-12-0804	AROCLOR-1254	110	J		
C03V-16EF-12-0804	AROCLOR-1254	290	J		
C03V-01C-06-0804	AROCLOR-1260	480			
C03V-01WS-06-0804	AROCLOR-1260	280			
C03V-01WS-12-0804	AROCLOR-1260	300			
C03V-02C-06-0804	AROCLOR-1260	25			
C03V-02C-24-0804	AROCLOR-1260	29			
C03V-02ES-06-0804*	AROCLOR-1260	210			
C03V-02ES-12-0804*	AROCLOR-1260	57	J		
C03V-05F-0804-AVG	AROCLOR-1260	2650**	J		
C03V-05W-06-0804	AROCLOR-1260	12000			
C03V-05W-12-0804	AROCLOR-1260	50000			
C03V-05W-24-0804	AROCLOR-1260	33			
C03V-06N-06-0804-AVG*	AROCLOR-1260	19650	J		
C03V-06N-12-0804*	AROCLOR-1260	320			
C03V-06N-24-0804*	AROCLOR-1260	930			
C03V-06W-12-0804*	AROCLOR-1260	410			
C03V-06W-24-0804*	AROCLOR-1260	4600			
C03V-07E-06-0804-AVG	AROCLOR-1260	17			
C03V-07F-0804	AROCLOR-1260	38			
C03V-09C-06-0804*	AROCLOR-1260	70			
C03V-09C-12-0804*	AROCLOR-1260	170			
C03V-09C-24-0804*	AROCLOR-1260	20	J		
C03V-09WN-06-0804	AROCLOR-1260	1900			
C03V-10F-0804*	AROCLOR-1260	30000			
C03V-10F-48-0804*	AROCLOR-1260	34000			
C03V-10F-72-0804	AROCLOR-1260	41	J		
C03V-10S-06-0804*	AROCLOR-1260	7800			
C03V-10S-12-0804*	AROCLOR-1260	3200	J		
C03V-10S-24-0804*	AROCLOR-1260	1200			
C03V-10W-06-0804*	AROCLOR-1260	2600			

TABLE 2-1

CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
PAGE 2 0F 42

Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-10W-12-0804*	AROCLOR-1260	1300		500	17000
C03V-10W-24-0804*	AROCLOR-1260	1400	J		
C03V-11E-06-0804*	AROCLOR-1260	3500			
C03V-11E-24-0804*	AROCLOR-1260	29			
C03V-11F-0804	AROCLOR-1260	2200**			
C03V-11S-06-0804*	AROCLOR-1260	530			
C03V-11S-12-0804-AVG*	AROCLOR-1260	16	J		
C03V-11S-24-0804*	AROCLOR-1260	1400			
C03V-12C-06-0804*	AROCLOR-1260	650			
C03V-12C-12-0804*	AROCLOR-1260	2100			
C03V-12C-24-0804-AVG*	AROCLOR-1260	39	J		
C03V-12EF-06-0804*	AROCLOR-1260	150			
C03V-12EF-24-0804-AVG*	AROCLOR-1260	1950	J		
C03V-12NW-06-0804	AROCLOR-1260	270			
C03V-12NW-12-0804-AVG	AROCLOR-1260	20			
C03V-13C-06-0804*	AROCLOR-1260	1600			
C03V-13C-12-0804*	AROCLOR-1260	55			
C03V-13C-24-0804*	AROCLOR-1260	21	J		
C03V-13S-06-0804	AROCLOR-1260	16	J		
C03V-14C-06-0804*	AROCLOR-1260	610			
C03V-14C-12-0804*	AROCLOR-1260	71			
C03V-15C-06-0804*	AROCLOR-1260	240			
C03V-15C-12-0804*	AROCLOR-1260	1600			
C03V-15C-24-0804*	AROCLOR-1260	420	J		
C03V-15EN-06-0804*	AROCLOR-1260	13	J		
C03V-15S-06-0804-AVG	AROCLOR-1260	18	J		
C03V-15S-12-0804	AROCLOR-1260	200	J		
C03V-16EF-06-0804	AROCLOR-1260	190	J		
C03V-16EF-12-0804	AROCLOR-1260	320			
C03V-16EF-24-0804	AROCLOR-1260	62	J		
C03V-16S-12-0804	AROCLOR-1260	4400			
C03V-16S-24-0804	AROCLOR-1260	68	J		
C03V-16SW-06-0804*	AROCLOR-1260	250			
C03V-16SW-24-0804*	AROCLOR-1260	790			
Metals		**(ppm)**		**(ppm)**	**(ppm)**
C03V-01C-06-0804	ALUMINUM	259		72000	NA
C03V-01C-12-0804	ALUMINUM	88.9			
C03V-01WS-06-0804	ALUMINUM	122			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Action Level	Leachablity criteria
C03V-01WS-12-0804	ALUMINUM	62.4		72000	NA
C03V-01WS-24-0804	ALUMINUM	78.5			
C03V-02C-06-0804	ALUMINUM	781			
C03V-02C-12-0804	ALUMINUM	831			
C03V-02C-24-0804	ALUMINUM	143			
C03V-02ES-06-0804*	ALUMINUM	846			
C03V-02ES-12-0804*	ALUMINUM	768			
C03V-02ES-24-0804*	ALUMINUM	756			
C03V-05N-06-0804*	ALUMINUM	263			
C03V-05S-06-0804*	ALUMINUM	189			
C03V-05W-06-0804*	ALUMINUM	267			
C03V-05W-12-0804*	ALUMINUM	291			
C03V-05W-24-0804*	ALUMINUM	51.7			
C03V-06N-06-0804-AVG*	ALUMINUM	744.5			
C03V-06N-12-0804*	ALUMINUM	741			
C03V-06N-24-0804*	ALUMINUM	732			
C03V-06W-12-0804*	ALUMINUM	107			
C03V-06W-24-0804*	ALUMINUM	206			
C03V-07E-06-0804-AVG	ALUMINUM	739			
C03V-07E-12-0804	ALUMINUM	762			
C03V-07E-24-0804	ALUMINUM	675			
C03V-07F-0804	ALUMINUM	739			
C03V-07N-06-0804	ALUMINUM	731			
C03V-07N-12-0804	ALUMINUM	750			
C03V-07N-24-0804	ALUMINUM	772			
C03V-09C-06-0804*	ALUMINUM	750			
C03V-09C-12-0804*	ALUMINUM	735			
C03V-09C-24-0804*	ALUMINUM	878			
C03V-09WN-06-0804	ALUMINUM	79.6			
C03V-09WN-12-0804	ALUMINUM	84.2			
C03V-09WN-24-0804	ALUMINUM	114			
C03V-10F-0804*	ALUMINUM	364			
C03V-10F-48-0804*	ALUMINUM	305			
C03V-10F-72-0804	ALUMINUM	920			
C03V-10S-06-0804*	ALUMINUM	678			
C03V-10S-12-0804*	ALUMINUM	895			
C03V-10S-24-0804*	ALUMINUM	555			
C03V-10W-06-0804*	ALUMINUM	738			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-10W-12-0804*	ALUMINUM	708		72000	NA
C03V-10W-24-0804*	ALUMINUM	665			
C03V-11E-06-0804*	ALUMINUM	787			
C03V-11E-12-0804*	ALUMINUM	756			
C03V-11E-24-0804*	ALUMINUM	715			
C03V-11F-0804	ALUMINUM	854			
C03V-11S-06-0804*	ALUMINUM	760			
C03V-11S-12-0804-AVG*	ALUMINUM	694			
C03V-11S-24-0804*	ALUMINUM	697			
C03V-12C-06-0804*	ALUMINUM	688			
C03V-12C-12-0804*	ALUMINUM	719	J		
C03V-12C-24-0804-AVG*	ALUMINUM	762	J		
C03V-12EF-06-0804*	ALUMINUM	856			
C03V-12EF-12-0804*	ALUMINUM	863			
C03V-12EF-24-0804-AVG*	ALUMINUM	527			
C03V-12ER-06-0804	ALUMINUM	723			
C03V-12ER-12-0804	ALUMINUM	844			
C03V-12ER-24-0804	ALUMINUM	724			
C03V-12NW-06-0804	ALUMINUM	814			
C03V-12NW-12-0804-AVG	ALUMINUM	413.95	J		
C03V-12NW-24-0804	ALUMINUM	95.7			
C03V-13C-06-0804*	ALUMINUM	257			
C03V-13S-24-0804	ALUMINUM	1170			
C03V-14C-06-0804*	ALUMINUM	740			
C03V-14C-12-0804*	ALUMINUM	805			
C03V-14C-24-0804*	ALUMINUM	702			
C03V-14S-06-0804	ALUMINUM	700			
C03V-14S-12-0804	ALUMINUM	762			
C03V-15C-06-0804*	ALUMINUM	784			
C03V-15C-12-0804*	ALUMINUM	764			
C03V-15C-24-0804*	ALUMINUM	562			
C03V-15EN-06-0804*	ALUMINUM	811			
C03V-15EN-12-0804*	ALUMINUM	659			
C03V-15EN-24-0804*	ALUMINUM	671			
C03V-15S-06-0804-AVG	ALUMINUM	741			
C03V-15S-12-0804	ALUMINUM	765			
C03V-15S-24-0804	ALUMINUM	468			
C03V-16EF-06-0804	ALUMINUM	752			

TABLE 2-1

CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-16EF-12-0804	ALUMINUM	934		72000	NA
C03V-16EF-24-0804	ALUMINUM	142			
C03V-16S-06-0804	ALUMINUM	777			
C03V-16S-12-0804	ALUMINUM	719			
C03V-16S-24-0804	ALUMINUM	423			
C03V-16SW-06-0804*	ALUMINUM	823			
C03V-16SW-12-0804*	ALUMINUM	802			
C03V-16SW-24-0804*	ALUMINUM	614			
C03V-01C-06-0804	ANTIMONY	2.4		26	5
C03V-02ES-06-0804*	ANTIMONY	1.3			
C03V-05N-06-0804*	ANTIMONY	2.2			
C03V-05S-06-0804*	ANTIMONY	7.3***			
C03V-05W-06-0804*	ANTIMONY	2			
C03V-05W-12-0804*	ANTIMONY	1.6			
C03V-09WN-06-0804	ANTIMONY	1.2			
C03V-10F-0804*	ANTIMONY	2.8			
C03V-10F-72-0804	ANTIMONY	0.79			
C03V-10S-06-0804*	ANTIMONY	0.62			
C03V-10S-12-0804*	ANTIMONY	0.36			
C03V-10S-24-0804*	ANTIMONY	0.77			
C03V-10W-06-0804*	ANTIMONY	1.4			
C03V-10W-12-0804*	ANTIMONY	0.26			
C03V-10W-24-0804*	ANTIMONY	0.41			
C03V-11E-06-0804*	ANTIMONY	0.3			
C03V-11F-0804	ANTIMONY	0.32			
C03V-11S-06-0804*	ANTIMONY	0.49			
C03V-11S-12-0804-AVG*	ANTIMONY	0.2025			
C03V-11S-24-0804*	ANTIMONY	0.5			
C03V-12EF-06-0804*	ANTIMONY	0.79			
C03V-12EF-24-0804-AVG*	ANTIMONY	0.935			
C03V-13C-06-0804*	ANTIMONY	39.6			
C03V-13C-12-0804*	ANTIMONY	0.97			
C03V-16EF-06-0804	ANTIMONY	0.64			
C03V-16EF-12-0804	ANTIMONY	1.1			
C03V-16EF-24-0804	ANTIMONY	2.1			
C03V-16S-12-0804	ANTIMONY	82			
C03V-01C-06-0804	ARSENIC	1.3			
C03V-01C-12-0804	ARSENIC	0.5			

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CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-01C-24-0804	ARSENIC	0.56		2.66[a]	29
C03V-01WS-06-0804	ARSENIC	0.65			
C03V-01WS-12-0804	ARSENIC	0.46			
C03V-01WS-24-0804	ARSENIC	0.42			
C03V-02C-06-0804	ARSENIC	0.99			
C03V-02C-12-0804	ARSENIC	1.2			
C03V-02C-24-0804	ARSENIC	0.29			
C03V-02ES-06-0804*	ARSENIC	0.93			
C03V-02ES-12-0804*	ARSENIC	1			
C03V-02ES-24-0804*	ARSENIC	1			
C03V-05F-0804-AVG	ARSENIC	0.39			
C03V-05N-06-0804*	ARSENIC	17.5			
C03V-05S-06-0804*	ARSENIC	1.3			
C03V-05W-06-0804*	ARSENIC	7.5			
C03V-05W-12-0804*	ARSENIC	14.6			
C03V-05W-24-0804*	ARSENIC	0.49			
C03V-06N-06-0804-AVG*	ARSENIC	1.005			
C03V-06N-12-0804*	ARSENIC	0.89			
C03V-06N-24-0804*	ARSENIC	1.1			
C03V-06W-12-0804*	ARSENIC	0.62			
C03V-06W-24-0804*	ARSENIC	0.45			
C03V-07E-06-0804-AVG	ARSENIC	0.875			
C03V-07E-12-0804	ARSENIC	0.78			
C03V-07E-24-0804	ARSENIC	0.91			
C03V-07F-0804	ARSENIC	0.91			
C03V-07N-06-0804	ARSENIC	0.8			
C03V-07N-12-0804	ARSENIC	0.83			
C03V-07N-24-0804	ARSENIC	0.82			
C03V-09C-06-0804*	ARSENIC	0.92			
C03V-09C-12-0804*	ARSENIC	0.97			
C03V-09C-24-0804*	ARSENIC	1.1			
C03V-09WN-06-0804	ARSENIC	0.39			
C03V-10F-0804*	ARSENIC	0.84			
C03V-10F-48-0804*	ARSENIC	1.3			
C03V-10F-72-0804	ARSENIC	3.2**			
C03V-10S-06-0804*	ARSENIC	1.1			
C03V-10S-12-0804*	ARSENIC	1.1			
C03V-10S-24-0804*	ARSENIC	0.75			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-10W-06-0804*	ARSENIC	0.94		2.66[a]	29
C03V-10W-12-0804*	ARSENIC	0.71			
C03V-10W-24-0804*	ARSENIC	0.73			
C03V-11E-06-0804*	ARSENIC	0.72			
C03V-11E-12-0804*	ARSENIC	0.99			
C03V-11E-24-0804*	ARSENIC	0.68			
C03V-11F-0804	ARSENIC	1.3			
C03V-11S-06-0804*	ARSENIC	0.85			
C03V-11S-12-0804-AVG*	ARSENIC	0.705			
C03V-11S-24-0804*	ARSENIC	0.81			
C03V-12C-06-0804*	ARSENIC	1.1			
C03V-12C-12-0804*	ARSENIC	0.94			
C03V-12C-24-0804-AVG*	ARSENIC	0.965			
C03V-12EF-06-0804*	ARSENIC	1.1			
C03V-12EF-12-0804*	ARSENIC	0.75			
C03V-12EF-24-0804-AVG*	ARSENIC	0.585			
C03V-12ER-06-0804	ARSENIC	0.87			
C03V-12ER-12-0804	ARSENIC	0.83			
C03V-12ER-24-0804	ARSENIC	0.79			
C03V-12NW-06-0804	ARSENIC	0.79			
C03V-12NW-12-0804-AVG	ARSENIC	0.745			
C03V-12NW-24-0804	ARSENIC	0.75			
C03V-13C-06-0804*	ARSENIC	1.5			
C03V-13C-12-0804*	ARSENIC	0.42			
C03V-13C-24-0804*	ARSENIC	0.48			
C03V-13S-12-0804-AVG	ARSENIC	0.2375			
C03V-13S-24-0804	ARSENIC	1.1			
C03V-13W-06-0804	ARSENIC	0.31			
C03V-13W-24-0804	ARSENIC	0.28			
C03V-14C-06-0804*	ARSENIC	0.98			
C03V-14C-12-0804*	ARSENIC	0.94			
C03V-14C-24-0804*	ARSENIC	0.88			
C03V-14S-06-0804	ARSENIC	0.7			
C03V-14S-12-0804	ARSENIC	0.69			
C03V-14S-24-0804	ARSENIC	0.82			
C03V-15C-06-0804*	ARSENIC	0.96			
C03V-15C-12-0804*	ARSENIC	1.1			
C03V-15C-24-0804*	ARSENIC	0.8			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-15EN-06-0804*	ARSENIC	0.88		2.66[a]	29
C03V-15EN-12-0804*	ARSENIC	0.87			
C03V-15EN-24-0804*	ARSENIC	0.83			
C03V-15S-06-0804-AVG	ARSENIC	0.825			
C03V-15S-12-0804	ARSENIC	0.91			
C03V-15S-24-0804	ARSENIC	1.4			
C03V-16EF-06-0804	ARSENIC	0.66			
C03V-16EF-12-0804	ARSENIC	0.74			
C03V-16EF-24-0804	ARSENIC	0.38			
C03V-16S-06-0804	ARSENIC	0.61			
C03V-16S-12-0804	ARSENIC	3.2			
C03V-16S-24-0804	ARSENIC	0.33			
C03V-16SW-06-0804*	ARSENIC	0.94			
C03V-16SW-12-0804*	ARSENIC	0.93			
C03V-16SW-24-0804*	ARSENIC	1.2			
C03V-01C-06-0804	BARIUM	17.6		110	1600
C03V-01C-12-0804	BARIUM	6.4			
C03V-01C-24-0804	BARIUM	5.5			
C03V-01WS-06-0804	BARIUM	13.6			
C03V-01WS-12-0804	BARIUM	5.9			
C03V-01WS-24-0804	BARIUM	6.2			
C03V-02C-06-0804	BARIUM	7.9			
C03V-02C-12-0804	BARIUM	6.2			
C03V-02C-24-0804	BARIUM	7.7			
C03V-02ES-06-0804*	BARIUM	7.4			
C03V-02ES-12-0804*	BARIUM	6.1			
C03V-02ES-24-0804*	BARIUM	6.2			
C03V-05F-0804-AVG	BARIUM	8.85			
C03V-05N-06-0804*	BARIUM	44.6			
C03V-05S-06-0804*	BARIUM	15.1			
C03V-05W-06-0804*	BARIUM	25.3			
C03V-05W-12-0804*	BARIUM	19.6			
C03V-05W-24-0804*	BARIUM	6.4			
C03V-06N-06-0804-AVG*	BARIUM	8.65			
C03V-06N-12-0804*	BARIUM	8.1			
C03V-06N-24-0804*	BARIUM	9.2			
C03V-06W-12-0804*	BARIUM	6.5			
C03V-06W-24-0804*	BARIUM	17.6			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-07E-06-0804-AVG	BARIUM	6.35		110	1600
C03V-07E-12-0804	BARIUM	6.1			
C03V-07E-24-0804	BARIUM	6			
C03V-07F-0804	BARIUM	7			
C03V-07N-06-0804	BARIUM	5.9			
C03V-07N-12-0804	BARIUM	6			
C03V-07N-24-0804	BARIUM	6.1			
C03V-09C-06-0804*	BARIUM	6.4			
C03V-09C-12-0804*	BARIUM	5.8			
C03V-09C-24-0804*	BARIUM	7.1			
C03V-09WN-06-0804	BARIUM	9.6			
C03V-09WN-12-0804	BARIUM	6.3			
C03V-09WN-24-0804	BARIUM	6.3			
C03V-10F-0804*	BARIUM	25.1			
C03V-10F-48-0804*	BARIUM	17.4			
C03V-10F-72-0804	BARIUM	40.6			
C03V-10S-06-0804*	BARIUM	9			
C03V-10S-12-0804*	BARIUM	9.5			
C03V-10S-24-0804*	BARIUM	8.1			
C03V-10W-06-0804*	BARIUM	9.8			
C03V-10W-12-0804*	BARIUM	7.8			
C03V-10W-24-0804*	BARIUM	7.4			
C03V-11E-06-0804*	BARIUM	6.9			
C03V-11E-12-0804*	BARIUM	6.5			
C03V-11E-24-0804*	BARIUM	7			
C03V-11F-0804	BARIUM	9.6			
C03V-11S-06-0804*	BARIUM	7.1			
C03V-11S-12-0804-AVG*	BARIUM	5.8			
C03V-11S-24-0804*	BARIUM	8			
C03V-12C-06-0804*	BARIUM	7.9			
C03V-12C-12-0804*	BARIUM	6.3			
C03V-12C-24-0804-AVG*	BARIUM	31.15			
C03V-12EF-06-0804*	BARIUM	10.8			
C03V-12EF-12-0804*	BARIUM	7.4			
C03V-12EF-24-0804-AVG*	BARIUM	53.3			
C03V-12ER-06-0804	BARIUM	6.3			
C03V-12ER-12-0804	BARIUM	6.4			
C03V-12ER-24-0804	BARIUM	5.4			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-12NW-06-0804	BARIUM	6.8		110	1600
C03V-12NW-12-0804-AVG	BARIUM	7.1			
C03V-12NW-24-0804	BARIUM	9.2			
C03V-13C-06-0804*	BARIUM	13.6			
C03V-13C-12-0804*	BARIUM	5.5			
C03V-13C-24-0804*	BARIUM	6.3			
C03V-13S-06-0804	BARIUM	7.6			
C03V-13S-12-0804-AVG	BARIUM	5.85			
C03V-13S-24-0804	BARIUM	14.5			
C03V-13W-06-0804	BARIUM	6.5			
C03V-13W-12-0804	BARIUM	5.1			
C03V-13W-24-0804	BARIUM	5			
C03V-14C-06-0804*	BARIUM	6.4			
C03V-14C-12-0804*	BARIUM	6.2			
C03V-14C-24-0804*	BARIUM	5.5			
C03V-14S-06-0804	BARIUM	5.7			
C03V-14S-12-0804	BARIUM	5.4			
C03V-14S-24-0804	BARIUM	7.2			
C03V-15C-06-0804*	BARIUM	6.6			
C03V-15C-12-0804*	BARIUM	7			
C03V-15C-24-0804*	BARIUM	7.3			
C03V-15EN-06-0804*	BARIUM	6.3			
C03V-15EN-12-0804*	BARIUM	5.9			
C03V-15EN-24-0804*	BARIUM	6.2			
C03V-15S-06-0804-AVG	BARIUM	5.8			
C03V-15S-12-0804	BARIUM	6.8			
C03V-15S-24-0804	BARIUM	18.5			
C03V-16EF-06-0804	BARIUM	6.8			
C03V-16EF-12-0804	BARIUM	9.4			
C03V-16EF-24-0804	BARIUM	13.2			
C03V-16S-06-0804	BARIUM	5.7			
C03V-16S-12-0804	BARIUM	73.2			
C03V-16S-24-0804	BARIUM	14.9			
C03V-16SW-06-0804*	BARIUM	6.7			
C03V-16SW-12-0804*	BARIUM	6.3			
C03V-16SW-24-0804*	BARIUM	12.3			
C03V-01C-06-0804	BERYLLIUM	0.02		120	63
C03V-01WS-24-0804	BERYLLIUM	0.02			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-02C-06-0804	BERYLLIUM	0.09		120	63
C03V-02C-12-0804	BERYLLIUM	0.11			
C03V-02ES-06-0804*	BERYLLIUM	0.09			
C03V-02ES-12-0804*	BERYLLIUM	0.09			
C03V-02ES-24-0804*	BERYLLIUM	0.08			
C03V-09C-06-0804*	BERYLLIUM	0.07			
C03V-09C-12-0804*	BERYLLIUM	0.07			
C03V-09C-24-0804*	BERYLLIUM	0.11			
C03V-14C-06-0804*	BERYLLIUM	0.07			
C03V-14C-12-0804*	BERYLLIUM	0.08			
C03V-14C-24-0804*	BERYLLIUM	0.08			
C03V-15C-06-0804*	BERYLLIUM	0.06			
C03V-15C-12-0804*	BERYLLIUM	0.08			
C03V-15C-24-0804*	BERYLLIUM	0.06			
C03V-15EN-06-0804*	BERYLLIUM	0.06			
C03V-15EN-12-0804*	BERYLLIUM	0.06			
C03V-15EN-24-0804*	BERYLLIUM	0.06			
C03V-16SW-06-0804*	BERYLLIUM	0.08			
C03V-16SW-12-0804*	BERYLLIUM	0.06			
C03V-16SW-24-0804*	BERYLLIUM	0.05			
C03V-01C-06-0804	CADMIUM	0.77		75	8
C03V-01WS-06-0804	CADMIUM	0.35			
C03V-05F-0804-AVG	CADMIUM	0.05			
C03V-05N-06-0804*	CADMIUM	0.77			
C03V-05S-06-0804*	CADMIUM	0.87			
C03V-05W-06-0804*	CADMIUM	0.48			
C03V-05W-12-0804*	CADMIUM	0.43			
C03V-06N-06-0804-AVG*	CADMIUM	0.09			
C03V-06N-12-0804*	CADMIUM	0.13			
C03V-06N-24-0804*	CADMIUM	0.18			
C03V-06W-24-0804*	CADMIUM	0.11			
C03V-07E-06-0804-AVG	CADMIUM	0.05			
C03V-07E-12-0804	CADMIUM	0.04			
C03V-07E-24-0804	CADMIUM	0.04			
C03V-07F-0804	CADMIUM	0.07			
C03V-07N-06-0804	CADMIUM	0.04			
C03V-07N-12-0804	CADMIUM	0.04			
C03V-07N-24-0804	CADMIUM	0.04			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-10F-0804*	CADMIUM	0.6		75	8
C03V-10F-72-0804	CADMIUM	0.44			
C03V-10W-06-0804*	CADMIUM	0.26			
C03V-12C-06-0804*	CADMIUM	0.12			
C03V-12C-12-0804*	CADMIUM	0.07			
C03V-12C-24-0804-AVG*	CADMIUM	0.11			
C03V-12EF-06-0804*	CADMIUM	0.23			
C03V-12EF-24-0804-AVG*	CADMIUM	0.0975			
C03V-12NW-06-0804	CADMIUM	0.09			
C03V-12NW-12-0804-AVG	CADMIUM	0.045			
C03V-12NW-24-0804	CADMIUM	0.04			
C03V-13C-06-0804*	CADMIUM	0.82			
C03V-16EF-06-0804	CADMIUM	0.16			
C03V-16EF-12-0804	CADMIUM	0.24			
C03V-16S-12-0804	CADMIUM	7.4			
C03V-16SW-24-0804*	CADMIUM	0.22			
C03V-01C-06-0804	CALCIUM	330000		NA	NA
C03V-01C-12-0804	CALCIUM	320000			
C03V-01C-24-0804	CALCIUM	313000			
C03V-01WS-06-0804	CALCIUM	354000			
C03V-01WS-12-0804	CALCIUM	379000			
C03V-01WS-24-0804	CALCIUM	378000			
C03V-02C-06-0804	CALCIUM	208000			
C03V-02C-12-0804	CALCIUM	219000			
C03V-02C-24-0804	CALCIUM	255000			
C03V-02ES-06-0804*	CALCIUM	233000			
C03V-02ES-12-0804*	CALCIUM	234000			
C03V-02ES-24-0804*	CALCIUM	226000			
C03V-05F-0804-AVG	CALCIUM	370500			
C03V-05N-06-0804*	CALCIUM	342000			
C03V-05S-06-0804*	CALCIUM	363000			
C03V-05W-06-0804*	CALCIUM	382000			
C03V-05W-12-0804*	CALCIUM	398000			
C03V-05W-24-0804*	CALCIUM	341000			
C03V-06N-06-0804-AVG*	CALCIUM	217000			
C03V-06N-12-0804*	CALCIUM	227000			
C03V-06N-24-0804*	CALCIUM	222000			
C03V-06W-12-0804*	CALCIUM	330000			

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CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-06W-24-0804*	CALCIUM	374000		NA	NA
C03V-07E-06-0804-AVG	CALCIUM	225000			
C03V-07E-12-0804	CALCIUM	230000			
C03V-07E-24-0804	CALCIUM	221000			
C03V-07F-0804	CALCIUM	240000			
C03V-07N-06-0804	CALCIUM	214000			
C03V-07N-12-0804	CALCIUM	222000			
C03V-07N-24-0804	CALCIUM	224000			
C03V-09C-06-0804*	CALCIUM	214000			
C03V-09C-12-0804*	CALCIUM	203000			
C03V-09C-24-0804*	CALCIUM	267000			
C03V-09WN-06-0804	CALCIUM	357000			
C03V-09WN-12-0804	CALCIUM	317000			
C03V-09WN-24-0804	CALCIUM	396000			
C03V-10F-0804*	CALCIUM	339000			
C03V-10F-48-0804*	CALCIUM	350000			
C03V-10F-72-0804	CALCIUM	340000			
C03V-10S-06-0804*	CALCIUM	239000			
C03V-10S-12-0804*	CALCIUM	278000			
C03V-10S-24-0804*	CALCIUM	289000			
C03V-10W-06-0804*	CALCIUM	243000			
C03V-10W-12-0804*	CALCIUM	232000			
C03V-10W-24-0804*	CALCIUM	262000			
C03V-11E-06-0804*	CALCIUM	225000			
C03V-11E-12-0804*	CALCIUM	218000			
C03V-11E-24-0804*	CALCIUM	208000			
C03V-11F-0804	CALCIUM	236000			
C03V-11S-06-0804*	CALCIUM	228000			
C03V-11S-12-0804-AVG*	CALCIUM	210500			
C03V-11S-24-0804*	CALCIUM	250000			
C03V-12C-06-0804*	CALCIUM	214000			
C03V-12C-12-0804*	CALCIUM	218000			
C03V-12C-24-0804-AVG*	CALCIUM	286000			
C03V-12EF-06-0804*	CALCIUM	214000			
C03V-12EF-12-0804*	CALCIUM	218000			
C03V-12EF-24-0804-AVG*	CALCIUM	297500			
C03V-12ER-06-0804	CALCIUM	250000			
C03V-12ER-12-0804	CALCIUM	255000			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-12ER-24-0804	CALCIUM	214000		NA	NA
C03V-12NW-06-0804	CALCIUM	224000			
C03V-12NW-12-0804-AVG	CALCIUM	273000			
C03V-12NW-24-0804	CALCIUM	306000			
C03V-13C-06-0804*	CALCIUM	295000			
C03V-13C-12-0804*	CALCIUM	299000			
C03V-13C-24-0804*	CALCIUM	292000			
C03V-13S-06-0804	CALCIUM	280000			
C03V-13S-12-0804-AVG	CALCIUM	264500			
C03V-13S-24-0804	CALCIUM	306000			
C03V-13W-06-0804	CALCIUM	302000			
C03V-13W-12-0804	CALCIUM	320000			
C03V-13W-24-0804	CALCIUM	298000			
C03V-14C-06-0804*	CALCIUM	219000			
C03V-14C-12-0804*	CALCIUM	220000			
C03V-14C-24-0804*	CALCIUM	180000			
C03V-14S-06-0804	CALCIUM	226000			
C03V-14S-12-0804	CALCIUM	206000			
C03V-14S-24-0804	CALCIUM	325000			
C03V-15C-06-0804*	CALCIUM	234000			
C03V-15C-12-0804*	CALCIUM	236000			
C03V-15C-24-0804*	CALCIUM	238000			
C03V-15EN-06-0804*	CALCIUM	244000			
C03V-15EN-12-0804*	CALCIUM	255000			
C03V-15EN-24-0804*	CALCIUM	242000			
C03V-15S-06-0804-AVG	CALCIUM	222000			
C03V-15S-12-0804	CALCIUM	240000			
C03V-15S-24-0804	CALCIUM	310000			
C03V-16EF-06-0804	CALCIUM	226000			
C03V-16EF-12-0804	CALCIUM	227000			
C03V-16EF-24-0804	CALCIUM	404000			
C03V-16S-06-0804	CALCIUM	234000			
C03V-16S-12-0804	CALCIUM	323000			
C03V-16S-24-0804	CALCIUM	378000			
C03V-16SW-06-0804*	CALCIUM	238000			
C03V-16SW-12-0804*	CALCIUM	242000			
C03V-16SW-24-0804*	CALCIUM	297000			
C03V-01C-06-0804	CHROMIUM	6.6		NA	38

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-01C-12-0804	CHROMIUM	1.8		NA	38
C03V-01C-24-0804	CHROMIUM	1.7			
C03V-01WS-06-0804	CHROMIUM	4.1			
C03V-01WS-12-0804	CHROMIUM	1.4			
C03V-01WS-24-0804	CHROMIUM	2			
C03V-02C-06-0804	CHROMIUM	6.1			
C03V-02C-12-0804	CHROMIUM	5.9			
C03V-02C-24-0804	CHROMIUM	2.3			
C03V-02ES-06-0804*	CHROMIUM	5.6			
C03V-02ES-12-0804*	CHROMIUM	5.6			
C03V-02ES-24-0804*	CHROMIUM	5.5			
C03V-05F-0804-AVG	CHROMIUM	1.6			
C03V-05N-06-0804*	CHROMIUM	10.2			
C03V-05S-06-0804*	CHROMIUM	17			
C03V-05W-06-0804*	CHROMIUM	6.9			
C03V-05W-12-0804*	CHROMIUM	5.7			
C03V-05W-24-0804*	CHROMIUM	1.4			
C03V-06N-06-0804-AVG*	CHROMIUM	7.35			
C03V-06N-12-0804*	CHROMIUM	6.8			
C03V-06N-24-0804*	CHROMIUM	8.3			
C03V-06W-12-0804*	CHROMIUM	2			
C03V-06W-24-0804*	CHROMIUM	2.8			
C03V-07E-06-0804-AVG	CHROMIUM	5.45			
C03V-07E-12-0804	CHROMIUM	5.7			
C03V-07E-24-0804	CHROMIUM	4.9			
C03V-07F-0804	CHROMIUM	5.3			
C03V-07N-06-0804	CHROMIUM	5.6			
C03V-07N-12-0804	CHROMIUM	5.9			
C03V-07N-24-0804	CHROMIUM	6			
C03V-09C-06-0804*	CHROMIUM	5.9			
C03V-09C-12-0804*	CHROMIUM	5.6			
C03V-09C-24-0804*	CHROMIUM	6.5			
C03V-09WN-06-0804	CHROMIUM	2.5			
C03V-09WN-12-0804	CHROMIUM	1.6			
C03V-09WN-24-0804	CHROMIUM	2			
C03V-10F-0804*	CHROMIUM	17.8			
C03V-10F-48-0804*	CHROMIUM	3.3			
C03V-10F-72-0804	CHROMIUM	6.9			

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CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-10S-06-0804*	CHROMIUM	6		NA	38
C03V-10S-12-0804*	CHROMIUM	7			
C03V-10S-24-0804*	CHROMIUM	5.2			
C03V-10W-06-0804*	CHROMIUM	7.5			
C03V-10W-12-0804*	CHROMIUM	5.5			
C03V-10W-24-0804*	CHROMIUM	5			
C03V-11E-06-0804*	CHROMIUM	6.8			
C03V-11E-12-0804*	CHROMIUM	6.1			
C03V-11E-24-0804*	CHROMIUM	5.8			
C03V-11F-0804	CHROMIUM	5.9			
C03V-11S-06-0804*	CHROMIUM	6			
C03V-11S-12-0804-AVG*	CHROMIUM	4.8			
C03V-11S-24-0804*	CHROMIUM	5.9			
C03V-12C-06-0804*	CHROMIUM	7.5			
C03V-12C-12-0804*	CHROMIUM	5.1			
C03V-12C-24-0804-AVG*	CHROMIUM	2.85			
C03V-12EF-06-0804*	CHROMIUM	6.6			
C03V-12EF-12-0804*	CHROMIUM	6			
C03V-12EF-24-0804-AVG*	CHROMIUM	2.6			
C03V-12ER-06-0804	CHROMIUM	5.7			
C03V-12ER-12-0804	CHROMIUM	5.6			
C03V-12ER-24-0804	CHROMIUM	4.7			
C03V-12NW-06-0804	CHROMIUM	5.7			
C03V-12NW-12-0804-AVG	CHROMIUM	3.85			
C03V-12NW-24-0804	CHROMIUM	2.5			
C03V-13C-06-0804*	CHROMIUM	11.4			
C03V-13C-12-0804*	CHROMIUM	1.5			
C03V-13C-24-0804*	CHROMIUM	1.4			
C03V-13S-06-0804	CHROMIUM	1.7			
C03V-13S-12-0804-AVG	CHROMIUM	1.45			
C03V-13S-24-0804	CHROMIUM	2.3			
C03V-13W-06-0804	CHROMIUM	1.7			
C03V-13W-12-0804	CHROMIUM	1.5			
C03V-13W-24-0804	CHROMIUM	1.3			
C03V-14C-06-0804*	CHROMIUM	5.8			
C03V-14C-12-0804*	CHROMIUM	5.6			
C03V-14C-24-0804*	CHROMIUM	5.3			
C03V-14S-06-0804	CHROMIUM	5.4			

TABLE 2-1

CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-14S-12-0804	CHROMIUM	5.6		NA	38
C03V-14S-24-0804	CHROMIUM	2.6			
C03V-15C-06-0804*	CHROMIUM	5.4			
C03V-15C-12-0804*	CHROMIUM	5.8			
C03V-15C-24-0804*	CHROMIUM	4.5			
C03V-15EN-06-0804*	CHROMIUM	5			
C03V-15EN-12-0804*	CHROMIUM	4.8			
C03V-15EN-24-0804*	CHROMIUM	4.8			
C03V-15S-06-0804-AVG	CHROMIUM	5.9			
C03V-15S-12-0804	CHROMIUM	6.2			
C03V-15S-24-0804	CHROMIUM	3.4			
C03V-16EF-06-0804	CHROMIUM	5.7			
C03V-16EF-12-0804	CHROMIUM	7			
C03V-16EF-24-0804	CHROMIUM	1.9			
C03V-16S-06-0804	CHROMIUM	5.8			
C03V-16S-12-0804	CHROMIUM	57.4			
C03V-16S-24-0804	CHROMIUM	2.3			
C03V-16SW-06-0804*	CHROMIUM	5.6			
C03V-16SW-12-0804*	CHROMIUM	5.3			
C03V-16SW-24-0804*	CHROMIUM	5.3			
C03V-01C-06-0804	COBALT	0.4		4700	NA
C03V-01C-12-0804	COBALT	0.08			
C03V-01C-24-0804	COBALT	0.16			
C03V-01WS-06-0804	COBALT	0.21			
C03V-01WS-12-0804	COBALT	0.08			
C03V-02C-06-0804	COBALT	0.28			
C03V-02C-12-0804	COBALT	0.29			
C03V-02C-24-0804	COBALT	0.08			
C03V-02ES-06-0804*	COBALT	0.24			
C03V-02ES-12-0804*	COBALT	0.22			
C03V-02ES-24-0804*	COBALT	0.25			
C03V-05F-0804-AVG	COBALT	0.0575			
C03V-05N-06-0804*	COBALT	0.68			
C03V-05S-06-0804*	COBALT	0.33			
C03V-05W-06-0804*	COBALT	0.48			
C03V-06N-06-0804-AVG*	COBALT	0.305			
C03V-06N-12-0804*	COBALT	0.28			
C03V-06N-24-0804*	COBALT	0.28			

TABLE 2-1

CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-06W-12-0804*	COBALT	0.08		4700	NA
C03V-06W-24-0804*	COBALT	0.11			
C03V-07E-06-0804-AVG	COBALT	0.265			
C03V-07E-12-0804	COBALT	0.2			
C03V-07E-24-0804	COBALT	0.28			
C03V-07F-0804	COBALT	0.23			
C03V-07N-06-0804	COBALT	0.25			
C03V-07N-12-0804	COBALT	0.26			
C03V-07N-24-0804	COBALT	0.22			
C03V-09C-06-0804*	COBALT	0.26			
C03V-09C-12-0804*	COBALT	0.27			
C03V-09C-24-0804*	COBALT	0.29			
C03V-10F-0804*	COBALT	0.51			
C03V-10F-48-0804*	COBALT	0.19			
C03V-10W-06-0804*	COBALT	0.44			
C03V-11F-0804	COBALT	0.32			
C03V-12C-06-0804*	COBALT	0.4			
C03V-12C-12-0804*	COBALT	0.29			
C03V-12C-24-0804-AVG*	COBALT	0.345			
C03V-12ER-12-0804	COBALT	0.55			
C03V-12ER-24-0804	COBALT	0.46			
C03V-12NW-06-0804	COBALT	0.26			
C03V-12NW-12-0804-AVG	COBALT	0.115			
C03V-13C-06-0804*	COBALT	0.52			
C03V-13C-12-0804*	COBALT	0.06			
C03V-13C-24-0804*	COBALT	0.08			
C03V-14C-06-0804*	COBALT	0.22			
C03V-14C-12-0804*	COBALT	0.27			
C03V-14C-24-0804*	COBALT	0.22			
C03V-15C-06-0804*	COBALT	0.22			
C03V-15C-12-0804*	COBALT	0.26			
C03V-15C-24-0804*	COBALT	0.21			
C03V-15EN-06-0804*	COBALT	0.26			
C03V-15EN-12-0804*	COBALT	0.3			
C03V-15EN-24-0804*	COBALT	0.19			
C03V-16S-12-0804	COBALT	1.2			
C03V-16SW-06-0804*	COBALT	0.3			
C03V-16SW-12-0804*	COBALT	0.29			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-16SW-24-0804*	COBALT	0.23		4700	NA
C03V-01C-06-0804	COPPER	36.4		110	NA
C03V-01C-12-0804	COPPER	2.7			
C03V-01WS-06-0804	COPPER	28.4			
C03V-02C-06-0804	COPPER	8.6			
C03V-02C-24-0804	COPPER	8.1			
C03V-02ES-06-0804*	COPPER	65.5			
C03V-05F-0804-AVG	COPPER	2.8			
C03V-05N-06-0804*	COPPER	48.6			
C03V-05S-06-0804*	COPPER	34.5			
C03V-05W-06-0804*	COPPER	19			
C03V-05W-12-0804*	COPPER	17.6			
C03V-05W-24-0804*	COPPER	1.5			
C03V-06N-06-0804-AVG*	COPPER	8			
C03V-06N-12-0804*	COPPER	8.5			
C03V-06N-24-0804*	COPPER	12			
C03V-06W-12-0804*	COPPER	3.5			
C03V-06W-24-0804*	COPPER	10.7			
C03V-07E-06-0804-AVG	COPPER	2.05			
C03V-07E-12-0804	COPPER	1.6			
C03V-07E-24-0804	COPPER	1.7			
C03V-07F-0804	COPPER	6			
C03V-07N-06-0804	COPPER	2.2			
C03V-07N-12-0804	COPPER	1.8			
C03V-07N-24-0804	COPPER	1.8			
C03V-09C-06-0804*	COPPER	2.5			
C03V-09WN-06-0804	COPPER	10			
C03V-09WN-12-0804	COPPER	2.5			
C03V-09WN-24-0804	COPPER	1.6			
C03V-10F-0804*	COPPER	43.6			
C03V-10F-48-0804*	COPPER	9.8			
C03V-10F-72-0804	COPPER	28.4			
C03V-10S-06-0804*	COPPER	7.6			
C03V-10S-12-0804*	COPPER	5.4			
C03V-10S-24-0804*	COPPER	4.7			
C03V-10W-06-0804*	COPPER	4.2			
C03V-10W-12-0804*	COPPER	2.2			
C03V-10W-24-0804*	COPPER	2.2			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-11E-06-0804*	COPPER	2		110	NA
C03V-11E-12-0804*	COPPER	1.3			
C03V-11E-24-0804*	COPPER	1.8			
C03V-11F-0804	COPPER	8.8			
C03V-11S-06-0804*	COPPER	1.9			
C03V-11S-12-0804-AVG*	COPPER	1.55			
C03V-11S-24-0804*	COPPER	4.3			
C03V-12C-06-0804*	COPPER	7			
C03V-12C-12-0804*	COPPER	2.3	J		
C03V-12C-24-0804-AVG*	COPPER	38.6	J		
C03V-12EF-06-0804*	COPPER	13.1			
C03V-12EF-12-0804*	COPPER	1.8			
C03V-12EF-24-0804-AVG*	COPPER	57.4			
C03V-12ER-06-0804	COPPER	3.7			
C03V-12ER-12-0804	COPPER	2			
C03V-12ER-24-0804	COPPER	1.5			
C03V-12NW-06-0804	COPPER	3.3			
C03V-12NW-12-0804-AVG	COPPER	2.05			
C03V-12NW-24-0804	COPPER	2.8			
C03V-13C-06-0804*	COPPER	25.7			
C03V-13S-06-0804	COPPER	3.8			
C03V-13S-12-0804-AVG	COPPER	0.595			
C03V-13S-24-0804	COPPER	4			
C03V-13W-06-0804	COPPER	0.73			
C03V-13W-24-0804	COPPER	0.29			
C03V-14C-06-0804*	COPPER	2.3			
C03V-14S-06-0804	COPPER	0.58			
C03V-14S-12-0804	COPPER	0.89			
C03V-14S-24-0804	COPPER	0.96			
C03V-15C-12-0804*	COPPER	3.2			
C03V-15C-24-0804*	COPPER	4			
C03V-15S-06-0804-AVG	COPPER	0.94			
C03V-15S-12-0804	COPPER	7.6			
C03V-15S-24-0804	COPPER	7.8			
C03V-16EF-06-0804	COPPER	3.8			
C03V-16EF-12-0804	COPPER	6.3			
C03V-16EF-24-0804	COPPER	2.8			
C03V-16S-06-0804	COPPER	0.82			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-16S-12-0804	COPPER	286		110	NA
C03V-16S-24-0804	COPPER	3.2			
C03V-16SW-06-0804*	COPPER	2.5			
C03V-16SW-24-0804*	COPPER	10.1			
C03V-01C-06-0804	IRON	4110		23000	NA
C03V-01C-12-0804	IRON	196			
C03V-01C-24-0804	IRON	65.5			
C03V-01WS-06-0804	IRON	1320			
C03V-01WS-12-0804	IRON	98.2			
C03V-01WS-24-0804	IRON	65.6			
C03V-02C-06-0804	IRON	698			
C03V-02C-12-0804	IRON	602			
C03V-02C-24-0804	IRON	417			
C03V-02ES-06-0804*	IRON	688			
C03V-02ES-12-0804*	IRON	603			
C03V-02ES-24-0804*	IRON	594			
C03V-05F-0804-AVG	IRON	114.1			
C03V-05N-06-0804*	IRON	7730			
C03V-05S-06-0804*	IRON	2760			
C03V-05W-06-0804*	IRON	3850			
C03V-05W-12-0804*	IRON	1250			
C03V-05W-24-0804*	IRON	71.3			
C03V-06N-06-0804-AVG*	IRON	1228.5	J		
C03V-06N-12-0804*	IRON	648			
C03V-06N-24-0804*	IRON	992			
C03V-06W-12-0804*	IRON	206			
C03V-06W-24-0804*	IRON	594			
C03V-07E-06-0804-AVG	IRON	590			
C03V-07E-12-0804	IRON	591			
C03V-07E-24-0804	IRON	538			
C03V-07F-0804	IRON	606			
C03V-07N-06-0804	IRON	612			
C03V-07N-12-0804	IRON	577			
C03V-07N-24-0804	IRON	574			
C03V-09C-06-0804*	IRON	669			
C03V-09C-12-0804*	IRON	528			
C03V-09C-24-0804*	IRON	685			
C03V-09WN-06-0804	IRON	154			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-09WN-12-0804	IRON	83.6		23000	NA
C03V-09WN-24-0804	IRON	62.4			
C03V-10F-0804*	IRON	2920			
C03V-10F-48-0804*	IRON	891			
C03V-10F-72-0804	IRON	2130			
C03V-10S-06-0804*	IRON	910			
C03V-10S-12-0804*	IRON	818			
C03V-10S-24-0804*	IRON	664			
C03V-10W-06-0804*	IRON	831			
C03V-10W-12-0804*	IRON	646			
C03V-10W-24-0804*	IRON	532			
C03V-11E-06-0804*	IRON	614			
C03V-11E-12-0804*	IRON	581			
C03V-11E-24-0804*	IRON	566			
C03V-11F-0804	IRON	1160			
C03V-11S-06-0804*	IRON	647			
C03V-11S-12-0804-AVG*	IRON	533.5			
C03V-11S-24-0804*	IRON	640			
C03V-12C-06-0804*	IRON	2670			
C03V-12C-12-0804*	IRON	692	J		
C03V-12C-24-0804-AVG*	IRON	2510	J		
C03V-12EF-06-0804*	IRON	702			
C03V-12EF-12-0804*	IRON	628			
C03V-12EF-24-0804-AVG*	IRON	492			
C03V-12ER-06-0804	IRON	652			
C03V-12ER-12-0804	IRON	607			
C03V-12ER-24-0804	IRON	520			
C03V-12NW-06-0804	IRON	715			
C03V-12NW-12-0804-AVG	IRON	378	J		
C03V-12NW-24-0804	IRON	189			
C03V-13C-06-0804*	IRON	3570			
C03V-13C-12-0804*	IRON	75.5			
C03V-13C-24-0804*	IRON	61.4			
C03V-13S-06-0804	IRON	85.4			
C03V-13S-12-0804-AVG	IRON	91.35	J		
C03V-13S-24-0804	IRON	1040			
C03V-13W-06-0804	IRON	65.7			
C03V-13W-12-0804	IRON	38			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-13W-24-0804	IRON	47.4		23000	NA
C03V-14C-06-0804*	IRON	673			
C03V-14C-12-0804*	IRON	577			
C03V-14C-24-0804*	IRON	513			
C03V-14S-06-0804	IRON	613			
C03V-14S-12-0804	IRON	609			
C03V-14S-24-0804	IRON	221			
C03V-15C-06-0804*	IRON	583			
C03V-15C-12-0804*	IRON	659			
C03V-15C-24-0804*	IRON	520			
C03V-15EN-06-0804*	IRON	597			
C03V-15EN-12-0804*	IRON	556			
C03V-15EN-24-0804*	IRON	555			
C03V-15S-06-0804-AVG	IRON	632.5			
C03V-15S-12-0804	IRON	948			
C03V-15S-24-0804	IRON	1830			
C03V-16EF-06-0804	IRON	649			
C03V-16EF-12-0804	IRON	866			
C03V-16EF-24-0804	IRON	142			
C03V-16S-06-0804	IRON	661			
C03V-16S-12-0804	IRON	11600			
C03V-16S-24-0804	IRON	310			
C03V-16SW-06-0804*	IRON	668			
C03V-16SW-12-0804*	IRON	597			
C03V-16SW-24-0804*	IRON	718			
C03V-01C-06-0804	LEAD	146		400	NA
C03V-01C-12-0804	LEAD	4.4			
C03V-01C-24-0804	LEAD	1.3			
C03V-01WS-06-0804	LEAD	102			
C03V-01WS-24-0804	LEAD	27.9			
C03V-02C-06-0804	LEAD	26.7			
C03V-02C-12-0804	LEAD	0.96			
C03V-02C-24-0804	LEAD	15.1			
C03V-02ES-06-0804*	LEAD	7170			
C03V-02ES-12-0804*	LEAD	1.3			
C03V-05F-0804-AVG	LEAD	8.2			
C03V-05N-06-0804*	LEAD	176			
C03V-05S-06-0804*	LEAD	988			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-05W-06-0804*	LEAD	171		400	NA
C03V-05W-12-0804*	LEAD	199			
C03V-05W-24-0804*	LEAD	3.5			
C03V-06N-06-0804-AVG*	LEAD	42.15	J		
C03V-06N-12-0804*	LEAD	30.6			
C03V-06N-24-0804*	LEAD	76.3			
C03V-06W-12-0804*	LEAD	5.9			
C03V-06W-24-0804*	LEAD	68.8			
C03V-07E-06-0804-AVG	LEAD	6.52	J		
C03V-07E-12-0804	LEAD	1.5			
C03V-07E-24-0804	LEAD	2.1			
C03V-07F-0804	LEAD	44.7			
C03V-07N-06-0804	LEAD	10			
C03V-07N-12-0804	LEAD	1.2			
C03V-07N-24-0804	LEAD	3.4			
C03V-09C-06-0804*	LEAD	26			
C03V-09C-24-0804*	LEAD	27.6			
C03V-09WN-06-0804	LEAD	92			
C03V-09WN-12-0804	LEAD	3.7			
C03V-10F-0804*	LEAD	578			
C03V-10F-48-0804*	LEAD	64.4			
C03V-10F-72-0804	LEAD	122			
C03V-10S-06-0804*	LEAD	94.3			
C03V-10S-12-0804*	LEAD	68.5			
C03V-10S-24-0804*	LEAD	52.5			
C03V-10W-06-0804*	LEAD	144			
C03V-10W-12-0804*	LEAD	28.9			
C03V-10W-24-0804*	LEAD	28.6			
C03V-11E-06-0804*	LEAD	7.7			
C03V-11E-12-0804*	LEAD	0.68			
C03V-11E-24-0804*	LEAD	5.5			
C03V-11F-0804	LEAD	64.5			
C03V-11S-06-0804*	LEAD	27.1			
C03V-11S-12-0804-AVG*	LEAD	2.75			
C03V-11S-24-0804*	LEAD	30			
C03V-12C-06-0804*	LEAD	61.6			
C03V-12C-12-0804*	LEAD	10.5			
C03V-12C-24-0804-AVG*	LEAD	109.1			

TABLE 2-1

CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-12EF-06-0804*	LEAD	43.1		400	NA
C03V-12EF-24-0804-AVG*	LEAD	23			
C03V-12ER-06-0804	LEAD	3.2			
C03V-12NW-06-0804	LEAD	29.5			
C03V-12NW-12-0804-AVG	LEAD	4.35			
C03V-12NW-24-0804	LEAD	10.1			
C03V-13C-06-0804*	LEAD	1450			
C03V-13C-12-0804*	LEAD	15.5			
C03V-13C-24-0804*	LEAD	5.8			
C03V-13S-06-0804	LEAD	7.7			
C03V-13S-12-0804-AVG	LEAD	5.35	J		
C03V-13S-24-0804	LEAD	11.1			
C03V-13W-06-0804	LEAD	2.6			
C03V-13W-12-0804	LEAD	3.4			
C03V-13W-24-0804	LEAD	1.7			
C03V-14C-06-0804*	LEAD	11.6			
C03V-14C-12-0804*	LEAD	9.9			
C03V-14S-24-0804	LEAD	4.9			
C03V-15C-06-0804*	LEAD	4.4			
C03V-15C-12-0804*	LEAD	26.5			
C03V-15C-24-0804*	LEAD	34.2			
C03V-15EN-06-0804*	LEAD	2			
C03V-15S-06-0804-AVG	LEAD	6.3	J		
C03V-15S-12-0804	LEAD	140			
C03V-15S-24-0804	LEAD	58.5			
C03V-16EF-06-0804	LEAD	46.2			
C03V-16EF-12-0804	LEAD	88.5			
C03V-16EF-24-0804	LEAD	10.2			
C03V-16S-06-0804	LEAD	1.8			
C03V-16S-12-0804	LEAD	7840			
C03V-16S-24-0804	LEAD	32.4			
C03V-16SW-06-0804*	LEAD	15.8			
C03V-16SW-12-0804*	LEAD	2.6			
C03V-16SW-24-0804*	LEAD	113			
C03V-01C-06-0804	MAGNESIUM	1280		NA	NA
C03V-01C-12-0804	MAGNESIUM	1160			
C03V-01C-24-0804	MAGNESIUM	1080			
C03V-01WS-06-0804	MAGNESIUM	858			

TABLE 2-1

CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-01WS-12-0804	MAGNESIUM	1020			
C03V-01WS-24-0804	MAGNESIUM	1170			
C03V-02C-06-0804	MAGNESIUM	1700			
C03V-02C-12-0804	MAGNESIUM	1760			
C03V-02C-24-0804	MAGNESIUM	649			
C03V-02ES-06-0804*	MAGNESIUM	1900			
C03V-02ES-12-0804*	MAGNESIUM	1900			
C03V-02ES-24-0804*	MAGNESIUM	1900			
C03V-05F-0804-AVG	MAGNESIUM	934			
C03V-05N-06-0804*	MAGNESIUM	980			
C03V-05S-06-0804*	MAGNESIUM	1200			
C03V-05W-06-0804*	MAGNESIUM	1450			
C03V-05W-12-0804*	MAGNESIUM	1850			
C03V-05W-24-0804*	MAGNESIUM	1170			
C03V-06N-06-0804-AVG*	MAGNESIUM	1740			
C03V-06N-12-0804*	MAGNESIUM	1740			
C03V-06N-24-0804*	MAGNESIUM	1690			
C03V-06W-12-0804*	MAGNESIUM	883			
C03V-06W-24-0804*	MAGNESIUM	1740			
C03V-07E-06-0804-AVG	MAGNESIUM	1780			
C03V-07E-12-0804	MAGNESIUM	1780			
C03V-07E-24-0804	MAGNESIUM	1720			
C03V-07F-0804	MAGNESIUM	1750			
C03V-07N-06-0804	MAGNESIUM	1700			
C03V-07N-12-0804	MAGNESIUM	1750			
C03V-07N-24-0804	MAGNESIUM	1700			
C03V-09C-06-0804*	MAGNESIUM	1790			
C03V-09C-12-0804*	MAGNESIUM	1650			
C03V-09C-24-0804*	MAGNESIUM	2080			
C03V-09WN-06-0804	MAGNESIUM	791			
C03V-09WN-12-0804	MAGNESIUM	673			
C03V-09WN-24-0804	MAGNESIUM	789			
C03V-10F-0804*	MAGNESIUM	1850			
C03V-10F-48-0804*	MAGNESIUM	5540			
C03V-10F-72-0804	MAGNESIUM	13800			
C03V-10S-06-0804*	MAGNESIUM	1800			
C03V-10S-12-0804*	MAGNESIUM	2310		**Residential SCTL**	**Leachablilty Action Level**
C03V-10S-24-0804*	MAGNESIUM	1560			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
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NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-10W-06-0804*	MAGNESIUM	2060		NA	NA
C03V-10W-12-0804*	MAGNESIUM	1900			
C03V-10W-24-0804*	MAGNESIUM	1810			
C03V-11E-06-0804*	MAGNESIUM	1880			
C03V-11E-12-0804*	MAGNESIUM	1780			
C03V-11E-24-0804*	MAGNESIUM	1700			
C03V-11F-0804	MAGNESIUM	2430			
C03V-11S-06-0804*	MAGNESIUM	2150			
C03V-11S-12-0804-AVG*	MAGNESIUM	1740			
C03V-11S-24-0804*	MAGNESIUM	2480			
C03V-12C-06-0804*	MAGNESIUM	1780			
C03V-12C-12-0804*	MAGNESIUM	1800	J		
C03V-12C-24-0804-AVG*	MAGNESIUM	3535	J		
C03V-12EF-06-0804*	MAGNESIUM	1790			
C03V-12EF-12-0804*	MAGNESIUM	1750			
C03V-12EF-24-0804-AVG*	MAGNESIUM	1390			
C03V-12ER-06-0804	MAGNESIUM	1840			
C03V-12ER-12-0804	MAGNESIUM	1970			
C03V-12ER-24-0804	MAGNESIUM	1660			
C03V-12NW-06-0804	MAGNESIUM	1920			
C03V-12NW-12-0804-AVG	MAGNESIUM	4410	J		
C03V-12NW-24-0804	MAGNESIUM	6670			
C03V-13C-06-0804*	MAGNESIUM	1260			
C03V-13C-12-0804*	MAGNESIUM	730			
C03V-13C-24-0804*	MAGNESIUM	618			
C03V-13S-06-0804	MAGNESIUM	709			
C03V-13S-12-0804-AVG	MAGNESIUM	823			
C03V-13S-24-0804	MAGNESIUM	4330			
C03V-13W-06-0804	MAGNESIUM	897			
C03V-13W-12-0804	MAGNESIUM	1160			
C03V-13W-24-0804	MAGNESIUM	689			
C03V-14C-06-0804*	MAGNESIUM	1830			
C03V-14C-12-0804*	MAGNESIUM	1810			
C03V-14C-24-0804*	MAGNESIUM	1500			
C03V-14S-06-0804	MAGNESIUM	2060			
C03V-14S-12-0804	MAGNESIUM	1860			
C03V-14S-24-0804	MAGNESIUM	6850			
C03V-15C-06-0804*	MAGNESIUM	1920			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
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NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-15C-12-0804*	MAGNESIUM	1920		NA	NA
C03V-15C-24-0804*	MAGNESIUM	1960			
C03V-15EN-06-0804*	MAGNESIUM	2050			
C03V-15EN-12-0804*	MAGNESIUM	2080			
C03V-15EN-24-0804*	MAGNESIUM	2010			
C03V-15S-06-0804-AVG	MAGNESIUM	1955			
C03V-15S-12-0804	MAGNESIUM	2120			
C03V-15S-24-0804	MAGNESIUM	6330			
C03V-16EF-06-0804	MAGNESIUM	1870			
C03V-16EF-12-0804	MAGNESIUM	2080			
C03V-16EF-24-0804	MAGNESIUM	1180			
C03V-16S-06-0804	MAGNESIUM	2110			
C03V-16S-12-0804	MAGNESIUM	4230			
C03V-16S-24-0804	MAGNESIUM	1500			
C03V-16SW-06-0804*	MAGNESIUM	1940			
C03V-16SW-12-0804*	MAGNESIUM	2010			
C03V-16SW-24-0804*	MAGNESIUM	3840			
C03V-01C-06-0804	MANGANESE	24.9		1600	NA
C03V-01C-12-0804	MANGANESE	3.4			
C03V-01C-24-0804	MANGANESE	3.3			
C03V-01WS-06-0804	MANGANESE	11			
C03V-01WS-12-0804	MANGANESE	2.4			
C03V-01WS-24-0804	MANGANESE	2.8			
C03V-02C-06-0804	MANGANESE	23.8			
C03V-02C-12-0804	MANGANESE	24.2			
C03V-02C-24-0804	MANGANESE	5.2			
C03V-02ES-06-0804*	MANGANESE	25.1			
C03V-02ES-12-0804*	MANGANESE	24.6			
C03V-02ES-24-0804*	MANGANESE	24.4			
C03V-05F-0804-AVG	MANGANESE	2.7	J		
C03V-05N-06-0804*	MANGANESE	38.8			
C03V-05S-06-0804*	MANGANESE	20.2			
C03V-05W-06-0804*	MANGANESE	33.2			
C03V-05W-12-0804*	MANGANESE	12.7			
C03V-05W-24-0804*	MANGANESE	1.8			
C03V-06N-06-0804-AVG*	MANGANESE	24.15			
C03V-06N-12-0804*	MANGANESE	22.4			
C03V-06N-24-0804*	MANGANESE	22.9			

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CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-06W-12-0804*	MANGANESE	2.3		1600	NA
C03V-06W-24-0804*	MANGANESE	6.4			
C03V-07E-06-0804-AVG	MANGANESE	22.55			
C03V-07E-12-0804	MANGANESE	22.6			
C03V-07E-24-0804	MANGANESE	21.4			
C03V-07F-0804	MANGANESE	21.7			
C03V-07N-06-0804	MANGANESE	21.8			
C03V-07N-12-0804	MANGANESE	22			
C03V-07N-24-0804	MANGANESE	21.5			
C03V-09C-06-0804*	MANGANESE	24.1			
C03V-09C-12-0804*	MANGANESE	22.2			
C03V-09C-24-0804*	MANGANESE	27.7			
C03V-09WN-06-0804	MANGANESE	2.9			
C03V-09WN-12-0804	MANGANESE	1.4			
C03V-09WN-24-0804	MANGANESE	2.6			
C03V-10F-0804*	MANGANESE	20.1			
C03V-10F-48-0804*	MANGANESE	11.4			
C03V-10F-72-0804	MANGANESE	37.6	J		
C03V-10S-06-0804*	MANGANESE	22.7			
C03V-10S-12-0804*	MANGANESE	29.4			
C03V-10S-24-0804*	MANGANESE	18			
C03V-10W-06-0804*	MANGANESE	30.4			
C03V-10W-12-0804*	MANGANESE	23.1			
C03V-10W-24-0804*	MANGANESE	20.6			
C03V-11E-06-0804*	MANGANESE	24			
C03V-11E-12-0804*	MANGANESE	22.6			
C03V-11E-24-0804*	MANGANESE	21.5			
C03V-11F-0804	MANGANESE	25.2			
C03V-11S-06-0804*	MANGANESE	24.5			
C03V-11S-12-0804-AVG*	MANGANESE	21.75			
C03V-11S-24-0804*	MANGANESE	22.4			
C03V-12C-06-0804*	MANGANESE	39.7			
C03V-12C-12-0804*	MANGANESE	24	J		
C03V-12C-24-0804-AVG*	MANGANESE	52.95	J		
C03V-12EF-06-0804*	MANGANESE	25.3	J		
C03V-12EF-12-0804*	MANGANESE	24	J		
C03V-12EF-24-0804-AVG*	MANGANESE	35.95	J		
C03V-12ER-06-0804	MANGANESE	23.4			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-12ER-12-0804	MANGANESE	24.7		1600	NA
C03V-12ER-24-0804	MANGANESE	21.1			
C03V-12NW-06-0804	MANGANESE	25.2			
C03V-12NW-12-0804-AVG	MANGANESE	14.7	J		
C03V-12NW-24-0804	MANGANESE	5.7			
C03V-13C-06-0804*	MANGANESE	23.2			
C03V-13C-12-0804*	MANGANESE	1.7			
C03V-13C-24-0804*	MANGANESE	1.1			
C03V-13S-06-0804	MANGANESE	2.6			
C03V-13S-12-0804-AVG	MANGANESE	1.8			
C03V-13S-24-0804	MANGANESE	114			
C03V-13W-06-0804	MANGANESE	2.1			
C03V-13W-12-0804	MANGANESE	1.6			
C03V-13W-24-0804	MANGANESE	1.6			
C03V-14C-06-0804*	MANGANESE	24.6			
C03V-14C-12-0804*	MANGANESE	24			
C03V-14C-24-0804*	MANGANESE	20.8			
C03V-14S-06-0804	MANGANESE	25.9			
C03V-14S-12-0804	MANGANESE	23.5			
C03V-14S-24-0804	MANGANESE	6.7			
C03V-15C-06-0804*	MANGANESE	25.2			
C03V-15C-12-0804*	MANGANESE	24.9			
C03V-15C-24-0804*	MANGANESE	19.1			
C03V-15EN-06-0804*	MANGANESE	26.1			
C03V-15EN-12-0804*	MANGANESE	25.9			
C03V-15EN-24-0804*	MANGANESE	25.3			
C03V-15S-06-0804-AVG	MANGANESE	24.05			
C03V-15S-12-0804	MANGANESE	25.6			
C03V-15S-24-0804	MANGANESE	17.8			
C03V-16EF-06-0804	MANGANESE	25.2	J		
C03V-16EF-12-0804	MANGANESE	32	J		
C03V-16EF-24-0804	MANGANESE	7.3	J		
C03V-16S-06-0804	MANGANESE	25.6			
C03V-16S-12-0804	MANGANESE	87			
C03V-16S-24-0804	MANGANESE	8.3			
C03V-16SW-06-0804*	MANGANESE	25.3			
C03V-16SW-12-0804*	MANGANESE	25.5			
C03V-16SW-24-0804*	MANGANESE	28.3			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-01C-06-0804	MERCURY	0.08		3.4	2.1
C03V-01C-12-0804	MERCURY	0.04			
C03V-01WS-06-0804	MERCURY	0.04			
C03V-01WS-12-0804	MERCURY	0.01			
C03V-02C-06-0804	MERCURY	0.05			
C03V-02C-24-0804	MERCURY	0.57			
C03V-02ES-06-0804*	MERCURY	0.02			
C03V-05F-0804-AVG	MERCURY	0.015			
C03V-05N-06-0804*	MERCURY	0.09			
C03V-05S-06-0804*	MERCURY	0.05			
C03V-05W-06-0804*	MERCURY	0.08			
C03V-05W-12-0804*	MERCURY	0.12			
C03V-06N-06-0804-AVG*	MERCURY	0.03			
C03V-06N-12-0804*	MERCURY	0.04			
C03V-06N-24-0804*	MERCURY	0.01			
C03V-06W-12-0804*	MERCURY	0.04			
C03V-06W-24-0804*	MERCURY	0.06			
C03V-07F-0804	MERCURY	0.01			
C03V-10F-0804*	MERCURY	0.05			
C03V-10F-48-0804*	MERCURY	0.1			
C03V-10F-72-0804	MERCURY	0.57	J		
C03V-10S-06-0804*	MERCURY	0.02			
C03V-10S-12-0804*	MERCURY	0.01			
C03V-11F-0804	MERCURY	0.02			
C03V-11S-06-0804*	MERCURY	0.02			
C03V-12C-06-0804*	MERCURY	0.01			
C03V-12C-24-0804-AVG*	MERCURY	0.26			
C03V-12EF-06-0804*	MERCURY	0.1	J		
C03V-12EF-24-0804-AVG*	MERCURY	1.65	J		
C03V-12ER-06-0804	MERCURY	0.02			
C03V-12NW-06-0804	MERCURY	0.01			
C03V-12NW-12-0804-AVG	MERCURY	0.0725	J		
C03V-12NW-24-0804	MERCURY	0.1			
C03V-13C-06-0804*	MERCURY	0.02			
C03V-13S-06-0804	MERCURY	0.02			
C03V-13S-12-0804-AVG	MERCURY	0.0125			
C03V-13S-24-0804	MERCURY	0.06			
C03V-14S-24-0804	MERCURY	0.03			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-15S-24-0804	MERCURY	0.11		3.4	2.1
C03V-16S-12-0804	MERCURY	0.53			
C03V-16S-24-0804	MERCURY	0.08			
C03V-16SW-24-0804*	MERCURY	0.02			
C03V-01C-06-0804	NICKEL	3.4		110	130
C03V-01C-12-0804	NICKEL	0.61			
C03V-01WS-06-0804	NICKEL	2			
C03V-01WS-24-0804	NICKEL	0.58			
C03V-02C-06-0804	NICKEL	1.2			
C03V-02C-12-0804	NICKEL	1.2			
C03V-02C-24-0804	NICKEL	0.58			
C03V-02ES-06-0804*	NICKEL	1.4			
C03V-02ES-12-0804*	NICKEL	1.2			
C03V-02ES-24-0804*	NICKEL	1.1			
C03V-05F-0804-AVG	NICKEL	0.46			
C03V-05N-06-0804*	NICKEL	5.5			
C03V-05S-06-0804*	NICKEL	2.4			
C03V-05W-06-0804*	NICKEL	3.2			
C03V-05W-12-0804*	NICKEL	2			
C03V-05W-24-0804*	NICKEL	1.2			
C03V-06N-06-0804-AVG*	NICKEL	1.35			
C03V-06N-12-0804*	NICKEL	1.1			
C03V-06N-24-0804*	NICKEL	1.3			
C03V-06W-12-0804*	NICKEL	0.6			
C03V-06W-24-0804*	NICKEL	0.94			
C03V-07E-06-0804-AVG	NICKEL	1.1			
C03V-07E-12-0804	NICKEL	1.1			
C03V-07E-24-0804	NICKEL	0.99			
C03V-07F-0804	NICKEL	1.1			
C03V-07N-06-0804	NICKEL	1.2			
C03V-07N-12-0804	NICKEL	1.1			
C03V-07N-24-0804	NICKEL	1.2			
C03V-09C-06-0804*	NICKEL	1.2			
C03V-09C-12-0804*	NICKEL	1.1			
C03V-09C-24-0804*	NICKEL	1.3			
C03V-09WN-12-0804	NICKEL	1.2			
C03V-10F-0804*	NICKEL	2.3			
C03V-10F-48-0804*	NICKEL	0.81			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-10F-72-0804	NICKEL	3		110	130
C03V-10S-06-0804*	NICKEL	1.6			
C03V-10S-12-0804*	NICKEL	1.4			
C03V-10S-24-0804*	NICKEL	1.1			
C03V-10W-06-0804*	NICKEL	1.3			
C03V-10W-12-0804*	NICKEL	1			
C03V-10W-24-0804*	NICKEL	0.98			
C03V-11E-06-0804*	NICKEL	1.2			
C03V-11E-12-0804*	NICKEL	1.2			
C03V-11E-24-0804*	NICKEL	1.1			
C03V-11F-0804	NICKEL	1.4			
C03V-11S-06-0804*	NICKEL	1.2			
C03V-11S-12-0804-AVG*	NICKEL	1.015			
C03V-11S-24-0804*	NICKEL	1.1			
C03V-12C-06-0804*	NICKEL	1.7			
C03V-12C-12-0804*	NICKEL	1.1			
C03V-12C-24-0804-AVG*	NICKEL	1.235			
C03V-12EF-06-0804*	NICKEL	1.3			
C03V-12EF-12-0804*	NICKEL	1.1			
C03V-12EF-24-0804-AVG*	NICKEL	0.615			
C03V-12ER-06-0804	NICKEL	1.6			
C03V-12ER-12-0804	NICKEL	1.9			
C03V-12ER-24-0804	NICKEL	1.8			
C03V-12NW-06-0804	NICKEL	1.2			
C03V-12NW-12-0804-AVG	NICKEL	0.565			
C03V-13C-06-0804*	NICKEL	10.8			
C03V-13S-24-0804	NICKEL	1.9			
C03V-14C-06-0804*	NICKEL	1.2			
C03V-14C-12-0804*	NICKEL	1.1			
C03V-14C-24-0804*	NICKEL	1			
C03V-15C-06-0804*	NICKEL	1.1			
C03V-15C-12-0804*	NICKEL	1.1			
C03V-15C-24-0804*	NICKEL	1			
C03V-15EN-06-0804*	NICKEL	1.2			
C03V-15EN-12-0804*	NICKEL	1			
C03V-15EN-24-0804*	NICKEL	1.1			
C03V-15S-12-0804	NICKEL	1.1			
C03V-16EF-06-0804	NICKEL	1			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-16EF-12-0804	NICKEL	1.3		110	130
C03V-16EF-24-0804	NICKEL	0.19			
C03V-16S-06-0804	NICKEL	1.9			
C03V-16S-12-0804	NICKEL	12.3			
C03V-16SW-06-0804*	NICKEL	1.2			
C03V-16SW-12-0804*	NICKEL	1.2			
C03V-16SW-24-0804*	NICKEL	1.2			
C03V-12EF-06-0804*	POTASSIUM	53.9		NA	NA
C03V-12EF-12-0804*	POTASSIUM	50.9			
C03V-12EF-24-0804-AVG*	POTASSIUM	22.6075			
C03V-13S-12-0804-AVG	POTASSIUM	39.15			
C03V-13S-24-0804	POTASSIUM	114			
C03V-13W-06-0804	POTASSIUM	25.8			
C03V-14S-06-0804	POTASSIUM	33.1			
C03V-14S-12-0804	POTASSIUM	86.7			
C03V-14S-24-0804	POTASSIUM	37.6			
C03V-15S-06-0804-AVG	POTASSIUM	82.45			
C03V-15S-12-0804	POTASSIUM	20.6			
C03V-15S-24-0804	POTASSIUM	60.8			
C03V-16EF-06-0804	POTASSIUM	63.5			
C03V-16EF-12-0804	POTASSIUM	88.6			
C03V-16S-06-0804	POTASSIUM	104			
C03V-16S-12-0804	POTASSIUM	67.9			
C03V-01C-06-0804	SILVER	1.6		390	17
C03V-02ES-06-0804*	SILVER	0.08			
C03V-11S-24-0804*	SILVER	3.9			
C03V-13C-06-0804*	SILVER	2.4			
C03V-16S-12-0804	SILVER	0.9			
C03V-01C-06-0804	SODIUM	1100		NA	NA
C03V-01C-12-0804	SODIUM	1200			
C03V-01C-24-0804	SODIUM	1140			
C03V-01WS-06-0804	SODIUM	1260			
C03V-01WS-12-0804	SODIUM	1390			
C03V-01WS-24-0804	SODIUM	1190			
C03V-02C-06-0804	SODIUM	264			
C03V-02C-12-0804	SODIUM	256			
C03V-02C-24-0804	SODIUM	869			
C03V-02ES-06-0804*	SODIUM	255			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-02ES-12-0804*	SODIUM	243		NA	NA
C03V-02ES-24-0804*	SODIUM	233			
C03V-05F-0804-AVG	SODIUM	1625			
C03V-05N-06-0804*	SODIUM	1280			
C03V-05S-06-0804*	SODIUM	1310			
C03V-05W-06-0804*	SODIUM	1730			
C03V-05W-12-0804*	SODIUM	1420			
C03V-05W-24-0804*	SODIUM	1370			
C03V-06N-06-0804-AVG*	SODIUM	300			
C03V-06N-12-0804*	SODIUM	300			
C03V-06N-24-0804*	SODIUM	350			
C03V-06W-12-0804*	SODIUM	1190			
C03V-06W-24-0804*	SODIUM	1580			
C03V-07E-06-0804-AVG	SODIUM	246.5			
C03V-07E-12-0804	SODIUM	234			
C03V-07E-24-0804	SODIUM	221			
C03V-07F-0804	SODIUM	303			
C03V-07N-06-0804	SODIUM	238			
C03V-07N-12-0804	SODIUM	239			
C03V-07N-24-0804	SODIUM	268			
C03V-09C-06-0804*	SODIUM	241			
C03V-09C-12-0804*	SODIUM	259			
C03V-09C-24-0804*	SODIUM	321			
C03V-09WN-06-0804	SODIUM	1340			
C03V-09WN-12-0804	SODIUM	1090			
C03V-09WN-24-0804	SODIUM	1180			
C03V-10F-0804*	SODIUM	696			
C03V-10F-48-0804*	SODIUM	2020			
C03V-10F-72-0804	SODIUM	1920			
C03V-10S-06-0804*	SODIUM	368			
C03V-10S-12-0804*	SODIUM	430			
C03V-10S-24-0804*	SODIUM	706			
C03V-10W-06-0804*	SODIUM	299			
C03V-10W-12-0804*	SODIUM	253			
C03V-10W-24-0804*	SODIUM	497			
C03V-11E-06-0804*	SODIUM	234			
C03V-11E-12-0804*	SODIUM	259			
C03V-11E-24-0804*	SODIUM	278			

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**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-11F-0804	SODIUM	540		NA	NA
C03V-11S-06-0804*	SODIUM	296			
C03V-11S-12-0804-AVG*	SODIUM	204.5			
C03V-11S-24-0804*	SODIUM	462			
C03V-12C-06-0804*	SODIUM	254			
C03V-12C-12-0804*	SODIUM	227			
C03V-12C-24-0804-AVG*	SODIUM	1340			
C03V-12EF-06-0804*	SODIUM	271			
C03V-12EF-12-0804*	SODIUM	258			
C03V-12EF-24-0804-AVG*	SODIUM	1170			
C03V-12ER-06-0804	SODIUM	252			
C03V-12ER-12-0804	SODIUM	238			
C03V-12ER-24-0804	SODIUM	189			
C03V-12NW-06-0804	SODIUM	225			
C03V-12NW-12-0804-AVG	SODIUM	1147.5	J		
C03V-12NW-24-0804	SODIUM	2000			
C03V-13C-06-0804*	SODIUM	958			
C03V-13C-12-0804*	SODIUM	1200			
C03V-13C-24-0804*	SODIUM	1310			
C03V-13S-06-0804	SODIUM	1090			
C03V-13S-12-0804-AVG	SODIUM	1070			
C03V-13S-24-0804	SODIUM	1500			
C03V-13W-06-0804	SODIUM	1300			
C03V-13W-12-0804	SODIUM	1070			
C03V-13W-24-0804	SODIUM	1040			
C03V-14C-06-0804*	SODIUM	241			
C03V-14C-12-0804*	SODIUM	220			
C03V-14C-24-0804*	SODIUM	233			
C03V-14S-06-0804	SODIUM	220			
C03V-14S-12-0804	SODIUM	224			
C03V-14S-24-0804	SODIUM	2170			
C03V-15C-06-0804*	SODIUM	256			
C03V-15C-12-0804*	SODIUM	258			
C03V-15C-24-0804*	SODIUM	448			
C03V-15EN-06-0804*	SODIUM	205			
C03V-15EN-12-0804*	SODIUM	188			
C03V-15EN-24-0804*	SODIUM	196			
C03V-15S-06-0804-AVG	SODIUM	267.5			

TABLE 2-1

CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-15S-12-0804	SODIUM	331		NA	NA
C03V-15S-24-0804	SODIUM	2080			
C03V-16EF-06-0804	SODIUM	242			
C03V-16EF-12-0804	SODIUM	267			
C03V-16EF-24-0804	SODIUM	1680			
C03V-16S-06-0804	SODIUM	204			
C03V-16S-12-0804	SODIUM	1510			
C03V-16S-24-0804	SODIUM	1660			
C03V-16SW-06-0804*	SODIUM	242			
C03V-16SW-12-0804*	SODIUM	221			
C03V-16SW-24-0804*	SODIUM	1050			
C03V-01C-12-0804	THALLIUM	0.37		5.5[b]	NA
C03V-01WS-06-0804	THALLIUM	0.34			
C03V-02ES-06-0804*	THALLIUM	0.56			
C03V-02ES-12-0804*	THALLIUM	0.32			
C03V-02ES-24-0804*	THALLIUM	0.3			
C03V-09C-24-0804*	THALLIUM	0.45			
C03V-12C-12-0804*	THALLIUM	0.41			
C03V-12EF-24-0804-AVG*	THALLIUM	0.275			
C03V-16EF-12-0804	THALLIUM	0.44			
C03V-05N-06-0804*	TIN	5.7		44000	NA
C03V-16S-12-0804	TIN	23.1			
C03V-01C-06-0804	VANADIUM	2.8		15	980
C03V-01C-12-0804	VANADIUM	1.1			
C03V-01C-24-0804	VANADIUM	1.6			
C03V-01WS-06-0804	VANADIUM	2.4			
C03V-01WS-12-0804	VANADIUM	0.97			
C03V-01WS-24-0804	VANADIUM	0.96			
C03V-02C-06-0804	VANADIUM	5.6			
C03V-02C-12-0804	VANADIUM	5.7			
C03V-02C-24-0804	VANADIUM	1.5			
C03V-02ES-06-0804*	VANADIUM	5.5			
C03V-02ES-12-0804*	VANADIUM	5.4			
C03V-02ES-24-0804*	VANADIUM	5.4			
C03V-05F-0804-AVG	VANADIUM	0.93			
C03V-05N-06-0804*	VANADIUM	2.8			
C03V-05S-06-0804*	VANADIUM	2.4			
C03V-05W-06-0804*	VANADIUM	2			

TABLE 2-1

CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-05W-12-0804*	VANADIUM	2.3		15	980
C03V-05W-24-0804*	VANADIUM	1.1			
C03V-06N-06-0804-AVG*	VANADIUM	5			
C03V-06N-12-0804*	VANADIUM	5.1			
C03V-06N-24-0804*	VANADIUM	4.9			
C03V-06W-12-0804*	VANADIUM	1.3			
C03V-06W-24-0804*	VANADIUM	1.6			
C03V-07E-06-0804-AVG	VANADIUM	4.95			
C03V-07E-12-0804	VANADIUM	5			
C03V-07E-24-0804	VANADIUM	4.6			
C03V-07F-0804	VANADIUM	4.8			
C03V-07N-06-0804	VANADIUM	4.9			
C03V-07N-12-0804	VANADIUM	4.9			
C03V-07N-24-0804	VANADIUM	5.1			
C03V-09C-06-0804*	VANADIUM	5.4			
C03V-09C-12-0804*	VANADIUM	5.4			
C03V-09C-24-0804*	VANADIUM	6.3			
C03V-09WN-06-0804	VANADIUM	1.7			
C03V-09WN-12-0804	VANADIUM	1.3			
C03V-09WN-24-0804	VANADIUM	1.5			
C03V-10F-0804*	VANADIUM	2.8			
C03V-10F-48-0804*	VANADIUM	2.1			
C03V-10F-72-0804	VANADIUM	10.1			
C03V-10S-06-0804*	VANADIUM	5.2			
C03V-10S-12-0804*	VANADIUM	6.6			
C03V-10S-24-0804*	VANADIUM	3.9			
C03V-10W-06-0804*	VANADIUM	5.4			
C03V-10W-12-0804*	VANADIUM	5			
C03V-10W-24-0804*	VANADIUM	4.5			
C03V-11E-06-0804*	VANADIUM	5.4			
C03V-11E-12-0804*	VANADIUM	5.4			
C03V-11E-24-0804*	VANADIUM	5			
C03V-11F-0804	VANADIUM	5			
C03V-11S-06-0804*	VANADIUM	5.2			
C03V-11S-12-0804-AVG*	VANADIUM	4.75			
C03V-11S-24-0804*	VANADIUM	4.7			
C03V-12C-06-0804*	VANADIUM	5.2			
C03V-12C-12-0804*	VANADIUM	5.2			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-12C-24-0804-AVG*	VANADIUM	1.8		15	980
C03V-12EF-06-0804*	VANADIUM	5.7			
C03V-12EF-12-0804*	VANADIUM	5.7			
C03V-12EF-24-0804-AVG*	VANADIUM	0.96			
C03V-12ER-06-0804	VANADIUM	5.3			
C03V-12ER-12-0804	VANADIUM	6			
C03V-12ER-24-0804	VANADIUM	4.9			
C03V-12NW-06-0804	VANADIUM	5.5			
C03V-12NW-12-0804-AVG	VANADIUM	2.88			
C03V-12NW-24-0804	VANADIUM	0.6			
C03V-13C-06-0804*	VANADIUM	2.7			
C03V-13C-12-0804*	VANADIUM	1			
C03V-13C-24-0804*	VANADIUM	1.1			
C03V-13S-06-0804	VANADIUM	1.6			
C03V-13S-12-0804-AVG	VANADIUM	1.65			
C03V-13S-24-0804	VANADIUM	3.3			
C03V-13W-06-0804	VANADIUM	1.6			
C03V-13W-12-0804	VANADIUM	1.7			
C03V-13W-24-0804	VANADIUM	1			
C03V-14C-06-0804*	VANADIUM	5.4			
C03V-14C-12-0804*	VANADIUM	5.5			
C03V-14C-24-0804*	VANADIUM	5.3			
C03V-14S-06-0804	VANADIUM	4.8			
C03V-14S-12-0804	VANADIUM	5.4			
C03V-14S-24-0804	VANADIUM	0.63			
C03V-15C-06-0804*	VANADIUM	5.7			
C03V-15C-12-0804*	VANADIUM	5.5			
C03V-15C-24-0804*	VANADIUM	4.4			
C03V-15EN-06-0804*	VANADIUM	5.4			
C03V-15EN-12-0804*	VANADIUM	5.1			
C03V-15EN-24-0804*	VANADIUM	5.2			
C03V-15S-06-0804-AVG	VANADIUM	5.35			
C03V-15S-12-0804	VANADIUM	6			
C03V-15S-24-0804	VANADIUM	2.7			
C03V-16EF-06-0804	VANADIUM	5.3			
C03V-16EF-12-0804	VANADIUM	5.6			
C03V-16EF-24-0804	VANADIUM	0.77			
C03V-16S-06-0804	VANADIUM	6.1			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-16S-12-0804	VANADIUM	13.3		15	980
C03V-16S-24-0804	VANADIUM	0.97			
C03V-16SW-06-0804*	VANADIUM	5.8			
C03V-16SW-12-0804*	VANADIUM	5.7			
C03V-16SW-24-0804*	VANADIUM	4.2			
C03V-01C-06-0804	ZINC	65		23000	6000
C03V-01C-12-0804	ZINC	4.6			
C03V-01WS-06-0804	ZINC	57.2			
C03V-01WS-24-0804	ZINC	6			
C03V-02C-06-0804	ZINC	14.4			
C03V-02C-24-0804	ZINC	18.2			
C03V-02ES-06-0804*	ZINC	10.4			
C03V-02ES-12-0804*	ZINC	1.2			
C03V-02ES-24-0804*	ZINC	1.2			
C03V-05F-0804-AVG	ZINC	3.8			
C03V-05N-06-0804*	ZINC	125			
C03V-05S-06-0804*	ZINC	91.2			
C03V-05W-06-0804*	ZINC	59.4			
C03V-05W-12-0804*	ZINC	74.9			
C03V-05W-24-0804*	ZINC	2.7			
C03V-06N-06-0804-AVG*	ZINC	16.5			
C03V-06N-12-0804*	ZINC	11.6			
C03V-06N-24-0804*	ZINC	31.7			
C03V-06W-12-0804*	ZINC	5.3			
C03V-06W-24-0804*	ZINC	37.2			
C03V-07E-06-0804-AVG	ZINC	4.25			
C03V-07E-12-0804	ZINC	1.4			
C03V-07E-24-0804	ZINC	1.8			
C03V-07F-0804	ZINC	7.3			
C03V-07N-06-0804	ZINC	3.7			
C03V-07N-12-0804	ZINC	1.4			
C03V-07N-24-0804	ZINC	2.1			
C03V-09C-06-0804*	ZINC	3.7			
C03V-09C-12-0804*	ZINC	1.3			
C03V-09C-24-0804*	ZINC	3.6			
C03V-09WN-06-0804	ZINC	19.2			
C03V-09WN-12-0804	ZINC	2.9			
C03V-10F-0804*	ZINC	140			

TABLE 2-1

**CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-10F-48-0804*	ZINC	35.1		23000	6000
C03V-10F-72-0804	ZINC	146			
C03V-10S-06-0804*	ZINC	22.3			
C03V-10S-12-0804*	ZINC	41.1			
C03V-10S-24-0804*	ZINC	23.6			
C03V-10W-06-0804*	ZINC	21.8			
C03V-10W-12-0804*	ZINC	9.2			
C03V-10W-24-0804*	ZINC	7.3			
C03V-11E-06-0804*	ZINC	3.8			
C03V-11E-12-0804*	ZINC	1.2			
C03V-11E-24-0804*	ZINC	4.4			
C03V-11F-0804	ZINC	26.2			
C03V-11S-06-0804*	ZINC	4.6			
C03V-11S-12-0804-AVG*	ZINC	1.55			
C03V-11S-24-0804*	ZINC	9.4			
C03V-12C-06-0804*	ZINC	20			
C03V-12C-12-0804*	ZINC	3.8			
C03V-12C-24-0804-AVG*	ZINC	66.75			
C03V-12EF-06-0804*	ZINC	29.4			
C03V-12EF-12-0804*	ZINC	2.2			
C03V-12EF-24-0804-AVG*	ZINC	37.4			
C03V-12ER-06-0804	ZINC	3.9			
C03V-12NW-06-0804	ZINC	6.6			
C03V-12NW-12-0804-AVG	ZINC	3.6			
C03V-12NW-24-0804	ZINC	12.8			
C03V-13C-06-0804*	ZINC	71.4			
C03V-13C-12-0804*	ZINC	1.9			
C03V-13C-24-0804*	ZINC	1.4			
C03V-13S-06-0804	ZINC	9.3			
C03V-13S-12-0804-AVG	ZINC	3			
C03V-13S-24-0804	ZINC	19.4			
C03V-13W-06-0804	ZINC	2.9			
C03V-13W-24-0804	ZINC	2.1			
C03V-14C-06-0804*	ZINC	3.9			
C03V-14C-12-0804*	ZINC	1.9			
C03V-14S-24-0804	ZINC	4			
C03V-15C-06-0804*	ZINC	2			
C03V-15C-12-0804*	ZINC	7.5			

TABLE 2-1

CONTAMINANTS DETECTED BY FIXED-BASE LABORATORY
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
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Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-15C-24-0804*	ZINC	8.8		23000	6000
C03V-15S-06-0804-AVG	ZINC	2.45			
C03V-15S-12-0804	ZINC	24.2			
C03V-15S-24-0804	ZINC	36.7			
C03V-16EF-06-0804	ZINC	8.6			
C03V-16EF-12-0804	ZINC	23.5			
C03V-16EF-24-0804	ZINC	3			
C03V-16S-06-0804	ZINC	1.5			
C03V-16S-12-0804	ZINC	829			
C03V-16S-24-0804	ZINC	19.7			
C03V-16SW-06-0804*	ZINC	4.6			
C03V-16SW-24-0804*	ZINC	27.4			

Shading indicates a concentration in excess of the selected screening value.
a – Screening value is background concentration for soils at NAS Key West.
b – Screening value is a risk based criteria concentration.
The notation "-AVG" indicates that duplicate samples were collected and the results were averaged.
* – Soils at this sample location were excavated and transported for offsite disposal.
** – Soil at a depth of 24 inches bls, concentration exceeds the residential SCTL, but meets the leachablilty action level.
*** – Concentration exceeds leachablilty action level, but meets the residential SCTL.
J – The associated value is an estimated quantity.

TABLE 2-2
FILL MATERIAL DETECTIONS
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
PAGE 1 OF 2

Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
	SVOCs	**(ppm)**		**(ppm)**	**(ppm)**
C03V-BF03-0804	BIS(2-ETHYLHEXYL)PHTHALATE	0.039		76	3600
C03V-BF03-0804	DI-N-OCTYL PHTHALATE	0.120	J	1500	480000
	Metals	**(ppm)**		**(ppm)**	**(ppm)**
C03V-BF01-0804	ALUMINUM	630		72000	NA
C03V-BF02-0804	ALUMINUM	932			
C03V-BF03-0804	ALUMINUM	760			
C03V-BF01-0804	ARSENIC	0.58		2.66[a]	29
C03V-BF02-0804	ARSENIC	0.45			
C03V-BF03-0804	ARSENIC	0.48			
C03V-BF01-0804	BARIUM	4.5		110	1600
C03V-BF02-0804	BARIUM	6			
C03V-BF03-0804	BARIUM	5.8			
C03V-BF01-0804	CALCIUM	201000		NA	NA
C03V-BF02-0804	CALCIUM	226000			
C03V-BF03-0804	CALCIUM	216000			
C03V-BF01-0804	CHROMIUM	6.3		NA	38
C03V-BF02-0804	CHROMIUM	6.7			
C03V-BF03-0804	CHROMIUM	6.8			
C03V-BF01-0804	COBALT	0.77		4700	NA
C03V-BF02-0804	COBALT	0.49			
C03V-BF02-0804	COPPER	1.1		110	NA
C03V-BF03-0804	COPPER	1.2			
C03V-BF01-0804	IRON	514	J	23000	NA
C03V-BF02-0804	IRON	604			
C03V-BF03-0804	IRON	575			
C03V-BF01-0804	LEAD	0.97		400	NA
C03V-BF02-0804	LEAD	0.62			
C03V-BF03-0804	LEAD	1.5			
C03V-BF01-0804	MAGNESIUM	2100		NA	NA
C03V-BF02-0804	MAGNESIUM	2370			
C03V-BF03-0804	MAGNESIUM	2340			
C03V-BF01-0804	MANGANESE	16.1		1600	NA
C03V-BF02-0804	MANGANESE	18.5			
C03V-BF03-0804	MANGANESE	17.8			
C03V-BF01-0804	NICKEL	2.3		110	130
C03V-BF02-0804	NICKEL	1.8			
C03V-BF03-0804	NICKEL	1.8			

TABLE 2-2
FILL MATERIAL DETECTIONS
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
PAGE 2 OF 2

Sample ID	Parameter	Results	Qualifier	Residential SCTL	Leachablilty Action Level
C03V-BF01-0804	SODIUM	180		NA	NA
C03V-BF02-0804	SODIUM	264			
C03V-BF03-0804	SODIUM	212			
C03V-BF01-0804	VANADIUM	6.2		15	980
C03V-BF02-0804	VANADIUM	7.3			
C03V-BF03-0804	VANADIUM	7.1			
C03V-BF01-0804	ZINC	1.6		23000	6000
C03V-BF02-0804	ZINC	2			
C03V-BF03-0804	ZINC	2.2			

a – screening value is background concentration for soils at NAS Key West.

TABLE 2-3
PCB IMMUNOASSAY RESULTS
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
PAGE 1 OF 4

Sample ID	Dilution (ppm)	Color Interpretation	Photometric Result (ppm)	Sample Concentration
Standard (ppm)			**-0.14**	
C03TK-01C-06-0804	0.5	Yellow	-0.44	≥0.5 ppm
	10	Deep yellow	0.10	<10 ppm
	50	Deep yellow	0.81	<50 ppm
C03TK-02C-06-0804	0.5	Yellow	-0.67	≥0.5 ppm
	10	Deep yellow	0.55	<10 ppm
	50	Deep yellow	0.64	<50 ppm
C03TK-03C-06-0804	0.5	Deep yellow	0.72	<0.5 ppm
	10	Deep yellow	0.81	<10 ppm
	50	Deep yellow	1.04	<50 ppm
Standard (ppm)			**-0.17**	
C03TK-06F-24-0804	0.5	Clear	-0.91	≥0.5 ppm
	10	Clear	-0.081	≥10 ppm
	50	Clear	-0.79	≥50 ppm
C03TK-07F-24-0804	0.5	Deep yellow	0.54	<0.5 ppm
	10	Deep yellow	1.02	<10 ppm
	50	Deep yellow	0.71	<50 ppm
CO3TK-10F-24-0804	0.5	Clear	-0.87	≥0.5 ppm
	10	Clear	-0.86	≥10 ppm
	50	Clear	-0.81	≥50 ppm
C03TK-11F-24-0804	0.5	Clear	-0.86	≥0.5 ppm
	10	Yellow	-0.24	≥10 ppm
	50	Deep yellow	0.90	<50 ppm
Standard (ppm)			**-0.11**	
C03TK-09C-0804	0.5	Deep yellow	1.23	<0.5 ppm
	10	Deep yellow	1.20	<10 ppm
	50	Deep yellow	1.10	<50 ppm
C03TK-13C-06-0804	0.5	Clear	-0.50	≥0.5 ppm
	10	Yellow	-0.09	≥10 ppm
	50	Deep yellow	0.41	<50 ppm
Standard (ppm)			**-0.01**	
C03TK-12NW-06-0804	0.5	Yellow	0.48	<0.5 ppm
	10	Yellow	0.66	<10 ppm
	50	Yellow	0.57	<50 ppm
C03TK-12NW-12-0804	0.5	Yellow	0.58	<0.5 ppm
	10	Yellow	0.62	<10 ppm
	50	Yellow	0.80	<50 ppm
C03TK-12NW-24-0804	0.5	Yellow	0.85	<0.5 ppm
	10	Yellow	1.05	<10 ppm
	50	Deep Yellow	2.35	<50 ppm
Standard (ppm)			**0.25**	
C03TK-12C-06-0804	05	Clear/Yellow	-0.96	≥0.5 ppm
	10	Deep Yellow	0.08	<10 ppm
	50	Deep Yellow	0.60	<50 ppm

TABLE 2-3
PCB IMMUNOASSAY RESULTS
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
PAGE 2 OF 4

Sample ID	Dilution (ppm)	Color Interpretation	Photometric Result (ppm)	Sample Concentration
C03TK-12C-12-0804	0.5	Yellow	-0.29	≥0.5 ppm
	10	Yellow	-0.56	≥10 ppm
	50	Deep Yellow	1.02	<50 ppm
C03TK-12C-24-0804	0.5	Yellow	-0.49	≥0.5 ppm
	10	Deep Yellow	1.29	<10 ppm
	50	Deep Yellow	1.05	<50 ppm
C03TK-5F-0804	0.5	Clear	-1.01	≥0.5 ppm
	10	Deep Yellow	1.16	<10 ppm
	50	Deep Yellow	1.04	<50 ppm
Standard (ppm)			**0.09**	
C03TK-15C-06-0804	0.5	Deep Yellow	1.24	<0.5 ppm
	10	Yellow	0.31	<10 ppm
	50	Yellow	0.44	<50 ppm
C03TK-15C-12-0804	0.5	Yellow	0.42	<0.5 ppm
	10	Deep Yellow	1.53	<10 ppm
	50	Deep Yellow	2.24	<50 ppm
C03TK-15C-24-0804	0.5	Yellow	0.45	<0.5 ppm
	10	Yellow	0.25	<10 ppm
	50	Yellow	0.09	<50 ppm
C03TK-15EN-06-0804	0.5	Clear	-1.03	≥0.5 ppm
	10	Yellow	-0.06	≥10 ppm
	50	Yellow	0.12	<50 ppm
Standard (ppm)			**0.21**	
C03TK-15EN-12-0804	0.5	Yellow	0.367	<0.5 ppm
	10	Deep Yellow	1.63	<10 ppm
	50	Deep Yellow	1.71	<50 ppm
C03TK-15EN-24-0804	0.5	Clear	-1.07	≥0.5 ppm
	10	Yellow	0.45	<10 ppm
	50	Yellow	0.63	<50 ppm
C03TK-16SW-06-0804	0.5	Yellow	0.48	<0.5 ppm
	10	Yellow	0.84	<10 ppm
	50	Yellow	0.73	<50 ppm
C03TK-16SW-12-0804	0.5	Deep Yellow	1.10	<0.5 ppm
	10	Deep Yellow	1.29	<10 ppm
	50	Deep Yellow	1.23	<50 ppm
Standard (ppm)			**0.36**	
C03T16SW-24-0804	0.5	Deep Yellow	0.61	<0.5 ppm
	10	Yellow	0.48	<10 ppm
	50	Yellow	0.71	<50 ppm

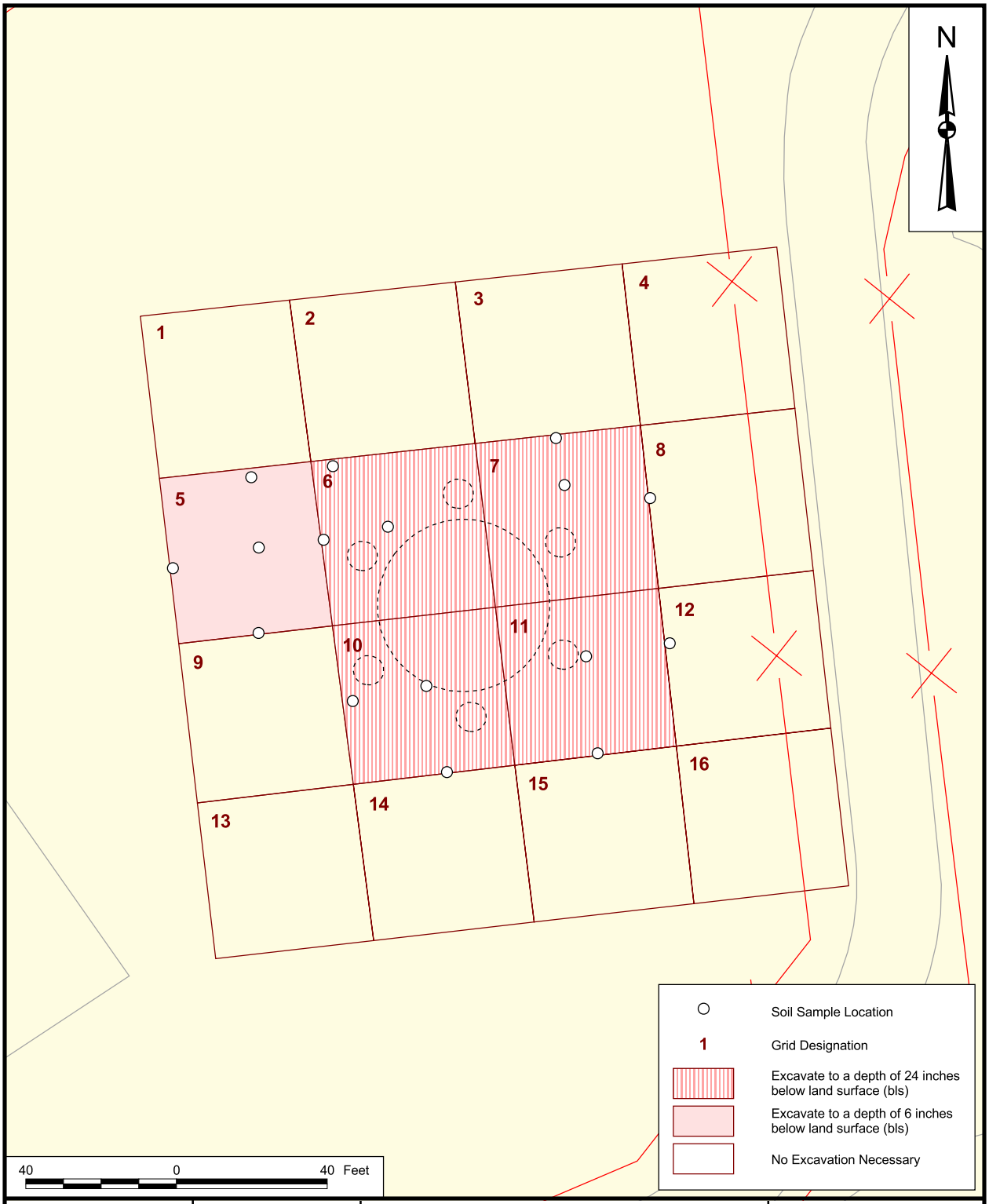
TABLE 2-3
PCB IMMUNOASSAY RESULTS
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
PAGE 3 OF 4

Sample ID	Dilution (ppm)	Color Interpretation	Photometric Result (ppm)	Sample Concentration
C03TK-14C-06-0804	0.5	Yellow	0.73	<0.5 ppm
	10	Yellow	0.77	<10 ppm
	50	Yellow	0.54	<50 ppm
C03TK-14C-12-0804	0.5	Yellow	0.79	<0.5 ppm
	10	Yellow	0.81	<10 ppm
	50	Yellow	0.73	<50 ppm
C03TK-14C-24-0804	0.5	Yellow	0.88	<0.5 ppm
	10	Deep Yellow	1.06	<10 ppm
	50	Deep Yellow	0.99	<50 ppm
Standard (ppm)			**-0.05**	
C03TK-10F-72-0804	0.5	Deep Yellow	0.81	<0.5 ppm
	10	Deep Yellow	0.98	<10 ppm
	50	Deep Yellow	1.17	<50 ppm
C03TK-12EF-06-0804	0.5	Yellow	-0.04	≥0.5 ppm
	10	Deep Yellow	0.95	<10 ppm
	50	Deep Yellow	1.14	<50 ppm
C03TK-12EF-12-0804	0.5	Deep Yellow	1.46	<0.5 ppm
	10	Deep Yellow	1.21	<10 ppm
	50	Deep Yellow	1.39	<50 ppm
C03TK-12EF-24-0804	0.5	Clear	-0.72	≥0.5 ppm
	10	Deep Yellow	1.13	<10 ppm
	50	Deep Yellow	1.11	<50 ppm
Standard (ppm)			**0.15**	
C03TK-16EF-06-0804	0.5	Deep Yellow	0.60	<0.5 ppm
	10	Deep Yellow	0.48	<10 ppm
	50	Deep Yellow	0.64	<50 ppm
C03TK-16EF-12-0804	0.5	Clear	-0.58	≥0.5 ppm
	10	Deep Yellow	0.56	<10 ppm
	50	Deep Yellow	0.66	<50 ppm
C03TK-16EF-24-0804	0.5	Deep Yellow	0.45	<0.5 ppm
	10	Deep Yellow	0.80	<10 ppm
	50	Deep Yellow	0.79	<50 ppm
Standard (ppm)			**-0.03**	
C03TK-12ER-06-0804	0.5	Deep Yellow	0.71	<0.5 ppm
	10	Deep Yellow	0.61	<10 ppm
	50	Deep Yellow	0.70	<50 ppm
C03TK-12ER-12-0804	0.5	Deep Yellow	0.62	<0.5 ppm
	10	Deep Yellow	0.64	<10 ppm
	50	Deep Yellow	0.74	<50 ppm

TABLE 2-3
PCB IMMUNOASSAY RESULTS
EXPLANATION OF SIGNIFICANT DIFFERENCES
NAVAL AIR STATION
KEY WEST, FLORIDA
PAGE 4 OF 4

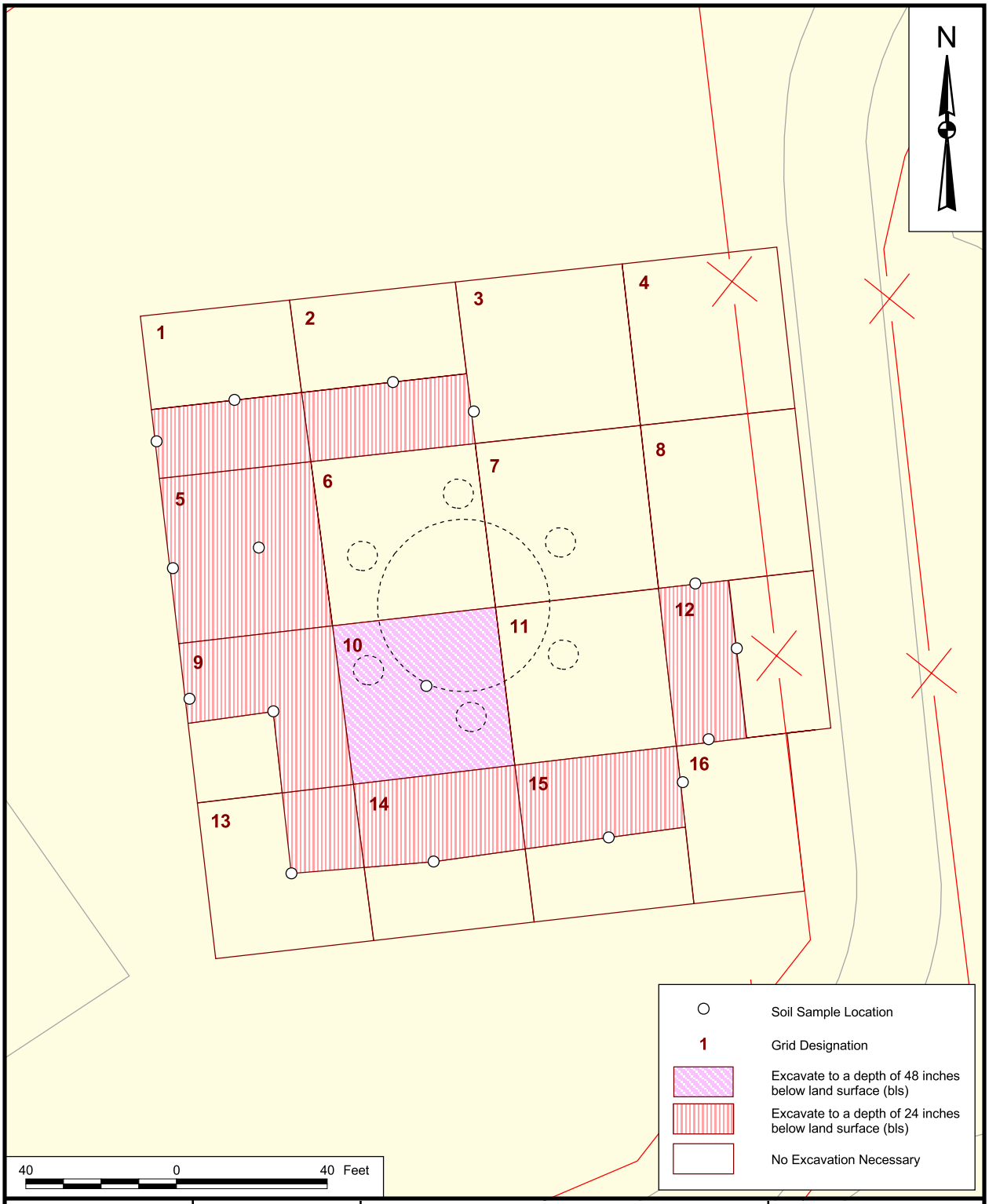
Sample ID	Dilution (ppm)	Color Interpretation	Photometric Result (ppm)	Sample Concentration
C03TK-12ER-24-0804	0.5	Deep Yellow	0.87	<0.5 ppm
	10	Deep Yellow	0.77	<10 ppm
	50	Deep Yellow	1.29	<50 ppm

Shading indicates a concentration in excess of the selected screening value.



DRAWN BY	DATE			CONTRACT NUMBER
A. JANOCHA	7/15/04	EXCAVATION AREAS - PLAN A		N0693
CHECKED BY	DATE	EXPLANATION OF SIGNIFICANT DIFFERENCES	APPROVED BY	DATE
A. LOVELL	9/21/04	FORMER WATER TOWER SITE	—	—
COST/SCHEDULE-AREA		NAVAL AIR STATION	APPROVED BY	DATE
		KEY WEST, FLORIDA	—	—
SCALE			DRAWING NO.	REV
AS NOTED			FIGURE 2 - 1	0

P:\GIS\KEYWEST_NAS\MAPDOCS\APR\FMR_WATER_TWR.APR PROPOSED EXCAVATION AREAS LAYOUT 9/21/04 AJ



DRAWN BY	DATE			CONTRACT NUMBER
K. PEILA	9/10/04			N0693
CHECKED BY	DATE			APPROVED BY / DATE
A. LOVELL	9/21/04			— / —
COST/SCHEDULE-AREA				APPROVED BY / DATE
				— / —
SCALE				DRAWING NO. / REV
AS NOTED				FIGURE 2 - 2 / 0

EXCAVATION AREAS - PLAN B
EXPLANATION OF SIGNIFICANT DIFFERENCES
FORMER WATER TOWER SITE
NAVAL AIR STATION
KEY WEST, FLORIDA

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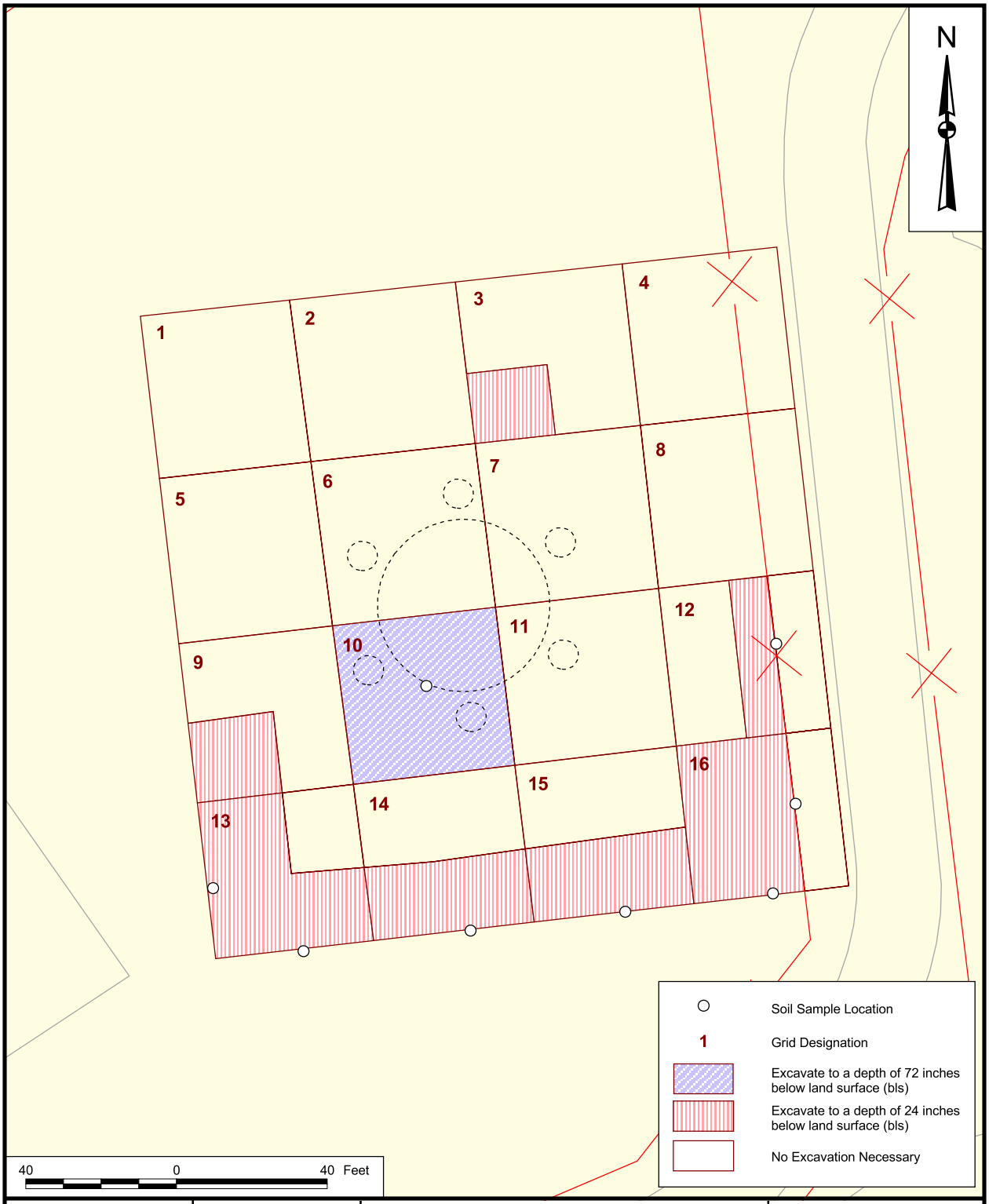
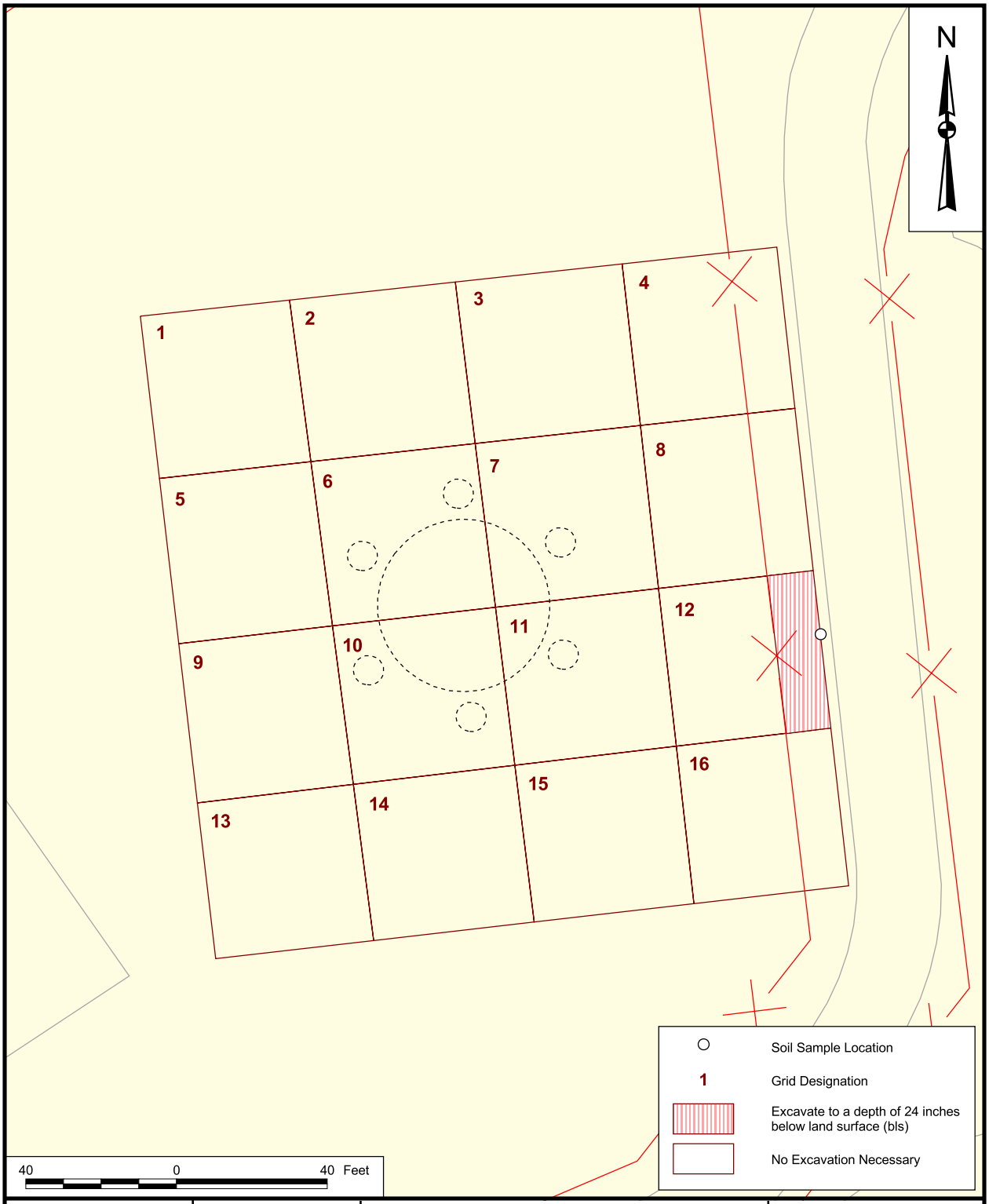


DRAWN BY	DATE			CONTRACT NUMBER
K. PEILA	9/10/04			N0693
CHECKED BY	DATE			APPROVED BY / DATE
A. LOVELL	9/21/04			— / —
COST/SCHEDULE-AREA				APPROVED BY / DATE
				— / —
SCALE				DRAWING NO. / REV
AS NOTED				FIGURE 2 - 3 / 0

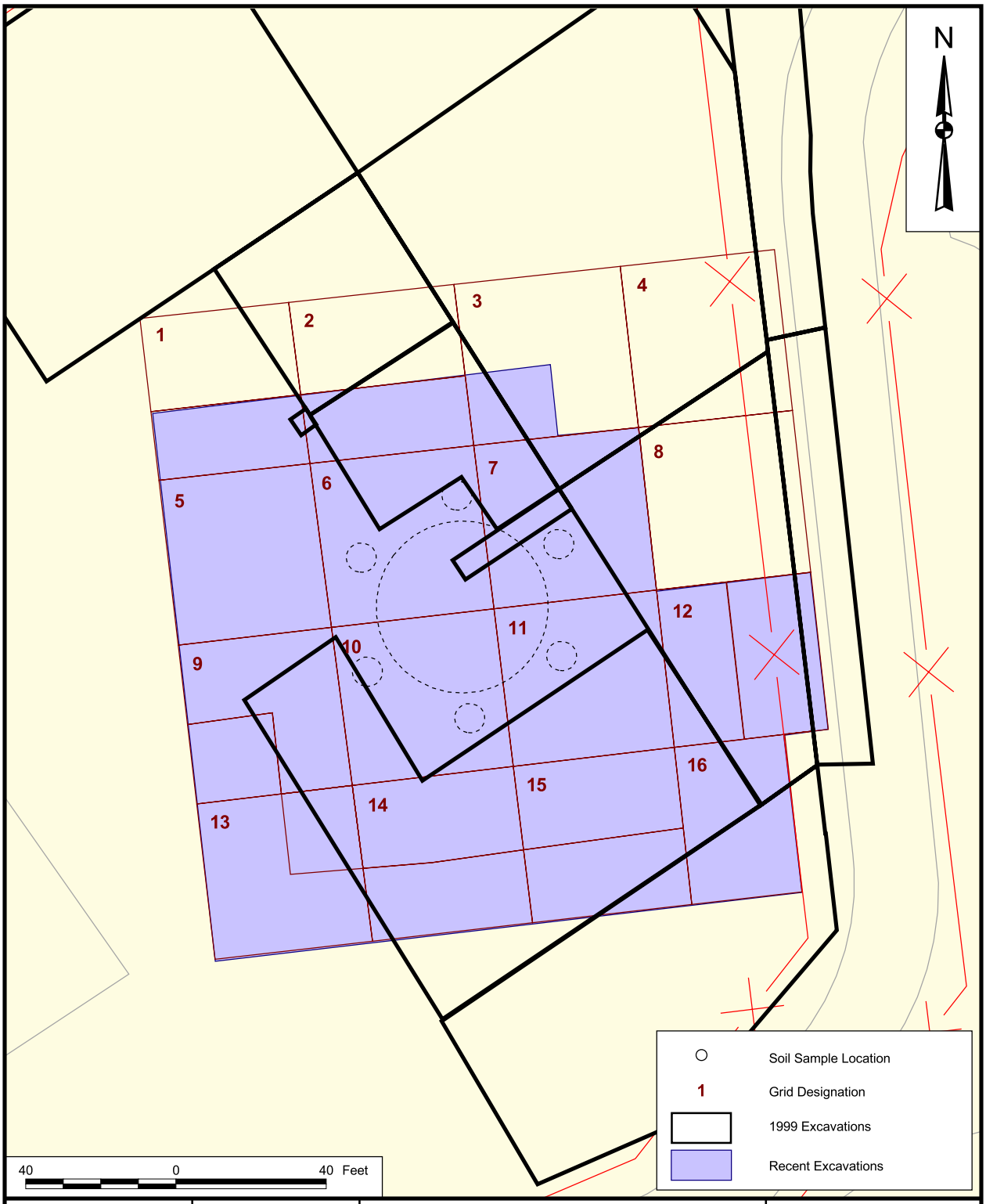
EXCAVATION AREAS - PLAN C
EXPLANATION OF SIGNIFICANT DIFFERENCES
FORMER WATER TOWER SITE
NAVAL AIR STATION
KEY WEST, FLORIDA

P:\GIS\KEYWEST_NAS\MAPDOCS\APR\FMR_WATER_TWR.APR EXCAVATION_PLANC LAYOUT 9/21/04 AJ



DRAWN BY K. PEILA	DATE 9/10/04	EXCAVATION AREAS - PLAN D EXPLANATION OF SIGNIFICANT DIFFERENCES FORMER WATER TOWER SITE NAVAL AIR STATION KEY WEST, FLORIDA	CONTRACT NUMBER N0693
CHECKED BY A. LOVELL	DATE 9/21/04		APPROVED BY ___ DATE ___
COST/SCHEDULE-AREA			APPROVED BY ___ DATE ___
SCALE AS NOTED			DRAWING NO. FIGURE 2 - 4 / REV 0

P:\GIS\KEYWEST_NAS\MAPDOCS\APR\FMR_WATER_TWR.APR EXCAVATION_PLAND LAYOUT 9/21/04 AJ

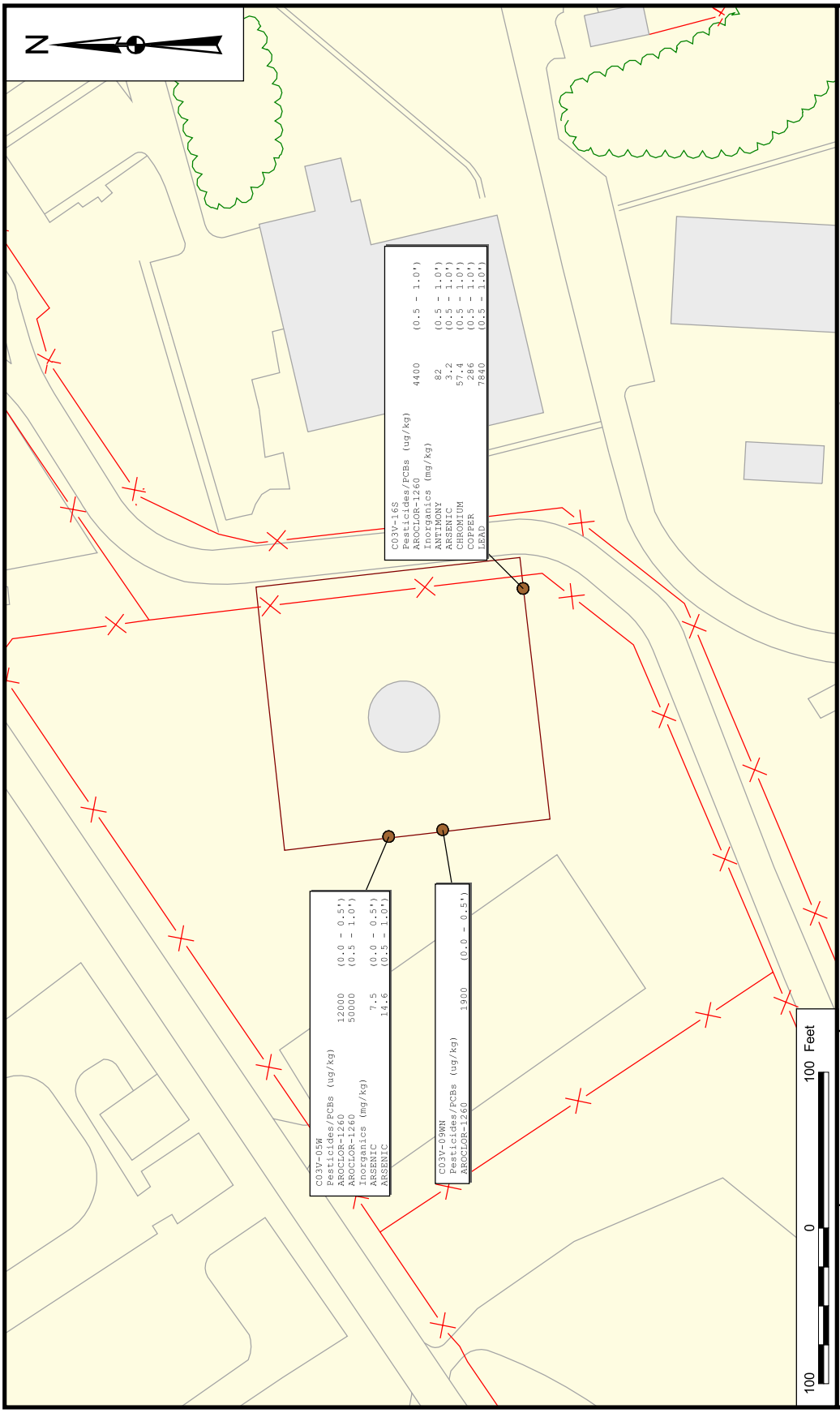


DRAWN BY	DATE
A. JANOCHA	9/13/04
CHECKED BY	DATE
A. LOVELL	9/15/04
COST/SCHEDULE-AREA	
SCALE	
AS NOTED	

EXCAVATION COMPARISON AREAS
EXPLANATION OF SIGNIFICANT DIFFERENCES
FORMER WATER TOWER SITE
NAVAL AIR STATION
KEY WEST, FLORIDA

CONTRACT NUMBER	
N0693	
APPROVED BY	DATE
—	—
APPROVED BY	DATE
—	—
DRAWING NO.	REV
FIGURE 2 - 5	0

P:\GIS\KEYWEST_NAS\MAPDOCS\APR\FMR_WATER_TWR.APR EXCAVATION COMPARISON LAYOUT 9/15/04 AJ



CONFIRMATION SOIL SAMPLING EXCEEDANCES
EXPLANATION OF SIGNIFICANT DIFFERENCES
FORMER WATER TOWER
NAS KEY WEST
KEY WEST, FLORIDA

CONTRACT NUMBER
N0693

APPROVED BY — DATE —

APPROVED BY — DATE —

DRAWING NO. — REV 0

FIGURE 2 - 6

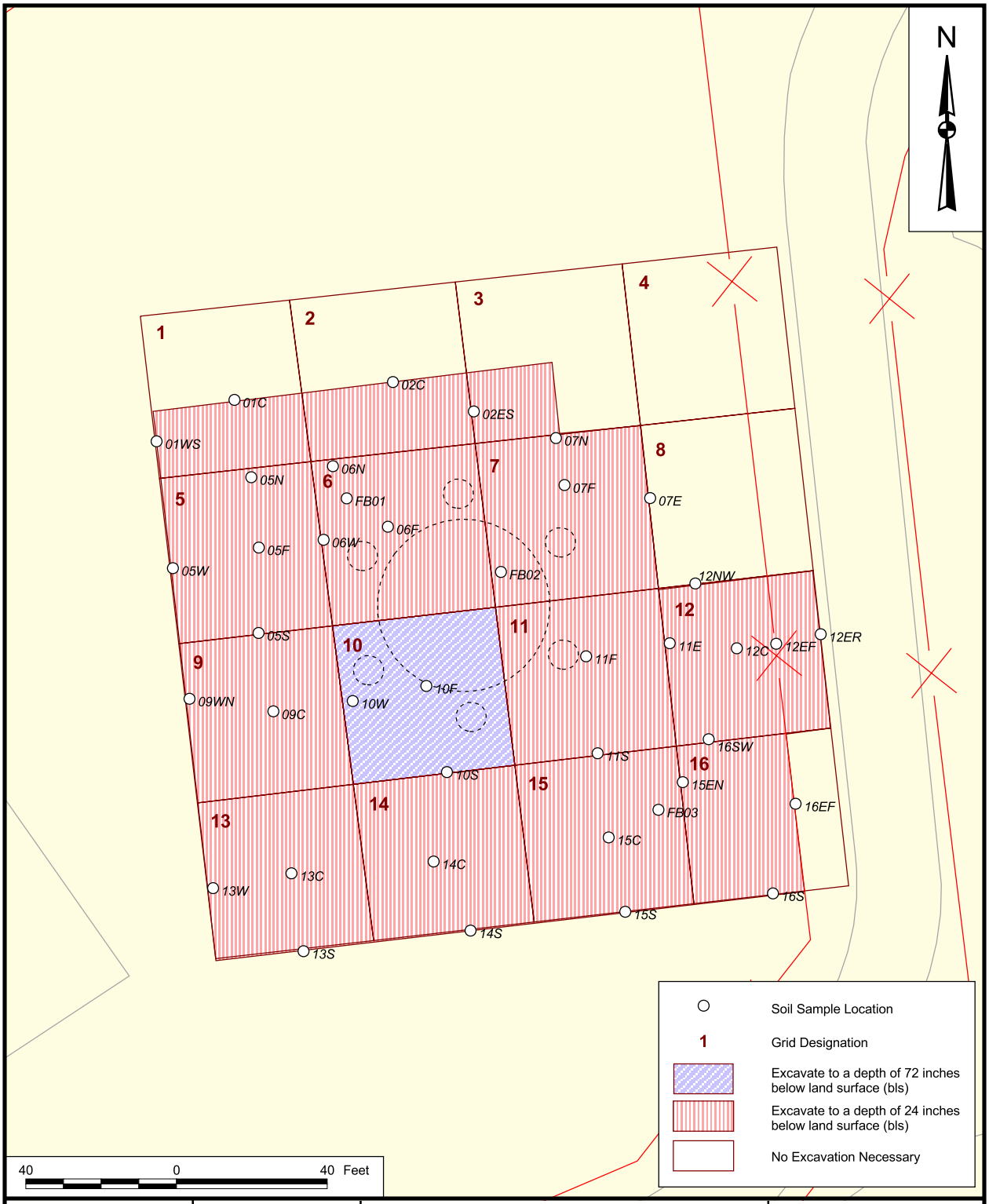
DRAWN BY A. JANOCHA DATE 9/13/04

CHECKED BY A. LOVELL DATE 9/21/04

COST/SCHEDULE-AREA —

SCALE AS NOTED

P:\GIS\KEYWEST_NAS\MAPDOCS\APR\FMR_WATER_TWR.APR SOIL CONFIRMATION TAG LAYOUT 9/21/04 AJ



DRAWN BY	DATE
K. PEILA	9/10/04
CHECKED BY	DATE
A. LOVELL	9/21/04
COST/SCHEDULE-AREA	
SCALE	
AS NOTED	

SAMPLE LOCATIONS
EXPLANATION OF SIGNIFICANT DIFFERENCES
FORMER WATER TOWER SITE
NAVAL AIR STATION
KEY WEST, FLORIDA

CONTRACT NUMBER	
N0693	
APPROVED BY	DATE
—	—
APPROVED BY	DATE
—	—
DRAWING NO.	REV
FIGURE 2 - 7	0

P:\GIS\KEYWEST_NAS\MAPDOCS\APR\FMR_WATER_TWR.APR SAMPLE LOCATION LAYOUT 9/21/04 AJ

3.0 EXPLANATION OF SIGNIFICANT DIFFERENCES

Pursuant to CERCLA Section 117(b) as amended and the NCP at 40 Code of Federal Regulations (CFR) 300.435(c)(2)(l), an ESD document should be published when "differences in the remedial or enforcement action, settlement, or consent decree significantly change but do not fundamentally alter the remedy selected." The changes addressed in this chapter involve (1) the selected remedy at the DRMO Waste Storage Area; (2) the implementation of proposed FDEP regulations; and (3) remedy selection for the Former Water Tower Site.

3.1 TRUMAN ANNEX DRMO WASTE STORAGE AREA SELECTED REMEDY

The selected remedy in the Decision Document for Ten BRAC Sites (TtNUS, 2002a) for the DRMO Waste Storage Area is no further action with land use controls (LUCs). The 1999 IRA left some contaminants in place in the sidewalls of the excavation due to obstructions such as roads, paved parking areas, and underground utilities. In the case of the roads and parking areas, these structures provide controls that cap soil and limit possible exposure and migration. Human health risk evaluations of contaminants remaining on the property indicated that additional engineering controls were not required. The selected institutional controls at the site included restrictions recorded in property transfer documents to ensure the integrity of the engineering controls (e.g., roads and parking lots). Additional data generated during the confirmation sampling event differ significantly from data used to calculate risks to human health and the environment for the DRMO Waste Storage Area. Additional remedial action will be needed at the DRMO Waste Storage Area.

3.2 PROPOSED FDEP REGULATIONS

The FDEP has proposed new regulations (Chapter 62-777 and 780 FAC) that would revise CTLs for a number of parameters and require stratification of soil samples. In order to meet the proposed FDEP regulations, delineation and confirmation samples were collected from three intervals: 0 to 6 inches, 6 to 12 inches, and 12 to 24 inches during the investigation at the Former Water Tower Site. Current FDEP CTLs were used to evaluate the sample results. However, the sample intervals used during the investigation would permit comparison of the sample results to the revised CTLs upon revision of Chapter 62-777 FAC.

3.3 FORMER WATER TOWER SITE SELECTED REMEDY

When ownership of the DRMO Waste Storage Area property was transferred from Navy ownership to the City of Key West, the Navy retained ownership of a water tower and an area immediately surrounding the tower that measures 170 feet by 171.97 feet. The water tower was removed in fall of 2003 and the Navy plans to transfer ownership of this parcel to the City of Key West. Historical data and data from a June 2004 sampling event indicated that soils on the Former Water Tower Site were contaminated with PCBs and inorganics (e.g., antimony, arsenic, and lead) at concentrations greater than the CTLs established by the FDEP.

Approximately 2,500 tons of soil were removed from the Former Water Tower Site. Figure 2-7 shows the areas excavated as well as the depths of excavation. All soil to a depth of 2 feet bls meets FDEP residential SCTLs, as listed in Chapter 62-777 FAC, Table II. Soil at depths greater than 2 feet meets leachability criteria based on GCTLs as listed in Chapter 62-777, FAC, Table II. Backfill material meeting the FDEP residential SCTLs was placed and compacted, and the site was restored (TN&A, 2004). To ensure future protection of human health and the environment, LUCs should be implemented. This remedy is consistent with the selected remedy for the DRMO Waste Storage Area (TtNUS, 2002a).

3.4 STATUTORY DETERMINATIONS

The remedy for the Former Water Tower Site is protective of human health and the environment, complies with federal and state requirements that are applicable or relevant and appropriate to the remedial action, and is cost effective. The remedy satisfies CERCLA and NCP requirements that remedial actions attain a degree of cleanup that assures protection of human health and the environment for the Former Water Tower Site only. Additional data generated during the confirmation sampling event differ significantly from data used to calculate risks to human health and the environment for the DRMO Waste Storage Area. Additional remedial action will be needed at the DRMO Waste Storage Area.

3.5 HIGHLIGHTS OF COMMUNITY PARTICIPATION

In accordance with Title 40 CFR, Part 300, Section 435(c), the documents concerning the investigations and analyses at the Former Water Tower Site, a Fact Sheet, and copies of the proposed remedial action plan were placed in the Information Repository at the Monroe County Library, Key West, Florida. A newspaper announcement on the availability of the documents was placed in the Key West Citizen on 1 August 2004. The Fact Sheet and notice of availability are provided in Appendix E. Future remedial actions needed for the DRMO Waste Storage Area have not yet been planned. The Navy plans to keep

the community informed through fact sheets and at least one public meeting throughout the remedial process at the DRMO Waste Storage Area.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Although significant contamination was found at the Former Water Tower Site, soil from all grid cells where samples indicated an exceedence of residential surface soil CTLs was removed. In addition, soil from all grid cells indicating any exceedence of groundwater leachability criteria was removed. Thus the Former Water Tower Site meets the requirements for its designated reuse of “Mixed Use and Pocket Parks” and has no environmental encumbrances for transferring the property to the City of Key West. TtNUS recommends that the digging and groundwater restrictions that are already in place for the DRMO Waste Storage Area should be applied to the Former Water Tower Site.

During the investigation at the Former Water Tower site, samples from the delineation effort identified PCB contamination in excess of FDEP CTLs in grid cells 6, 7, 10, and 11, but did not identify any PCB exceedences beyond the boundary of those grid cells (TtNUS, 2004). However, significant PCB contamination was found in several confirmation samples (Table 2-1) that were collected from soils outside the boundaries of grid cells 6, 7, 10, and 11. This identification of significant PCB contamination beyond the delineated area was unexpected and indicates that the PCB contamination is not contiguous and does not come from a single source. In addition, the data identified significant PCB contamination in backfill material placed within the boundary of the Former Water Tower Site during the 1999 IRA and on property that the Navy has already transferred to the City of Key West. This indicates that, like those found within the Former Water Tower (Navy) property, pockets of contamination could also be expected to occur within the already-transferred property at the DRMO Waste Storage Area. Additional data is needed to estimate the nature and extent of the contamination on the property that that has already been transferred to the City of Key West. TtNUS recommends that delineation sampling be performed throughout the DRMO Waste Storage Area with emphasis on identifying areas that require additional remediation.

While it is unlikely that the backfill material placed in 1999 is the source of PCB contamination, the presence of significant contamination in the backfill material excavated from the Former Water Tower Site should be investigated. To rule out the fill material as the source of contamination TtNUS recommends that samples of backfill material be collected from the following BRAC parcels:

- Parcel A - Hamaca Missile Site
- Parcel C – DRMO Waste Storage Area
- Parcel D – Seminole Battery
- Parcel E – Truman Annex Buildings 102, 103, 104 and 136
- Parcel F – Truman Annex Building 223

REFERENCES

B&A (Bermello, Ajamil & Partners, Inc.), 1997. Key West Base Reuse Plan. Prepared for the City of Key West. October.

Bechtel Environmental, Inc., 1999. Project Completion Report for BRAC Parcels Fast Track Soil Removals, prepared for Department of the Navy, Southern Division, Naval Facilities Engineering Command, Oak Ridge, Tennessee, June.

Brown and Root Environmental, 1998. Supplemental RCRA Facility Investigation and Remedial Investigation Report for Eight Sites; Naval Air Station Key West, Florida. Prepared for Department of the Navy, Southern Division Naval Facilities Engineering Command, Aiken, South Carolina, January.

FDEP (Florida Department of Environmental Protection), January 2002, SOPs for Field Activities, DEP-SOP-001/01.

TN&A (TN & Associates, Inc.), 2004. Draft Remedial Action Completion Report for Truman Annex Water Tower Site, Naval Air Station, Key West, Florida. Prepared for Department of the Navy, Southern Division, Naval Facilities Engineering Command. August.

TtNUS (Tetra Tech NUS, Inc.), 1999a. Site Inspection Report for Nine BRAC Parcels, Naval Air Station, Key West, Florida, prepared for Department of the Navy, Southern Division, Naval Facilities Engineering Command. Aiken, South Carolina. February.

TtNUS (Tetra Tech NUS, Inc.), 1999b. Supplemental Site Inspection Report for BRAC Parcels, Naval Air Station, Key West, Florida, prepared for Department of the Navy, Southern Division, Naval Facilities Engineering Command. Aiken, South Carolina. September.

TtNUS (Tetra Tech NUS, Inc.), 2002a. Rev. 4, Decision Document for Ten Base Realignment and Closure (BRAC) Sites, Naval Air Facility Key West, prepared for the Department of the Navy, Southern Division, Naval Facilities Engineering Command. Aiken, South Carolina. April.

TtNUS (Tetra Tech NUS, Inc.), 2002b. Florida Regional Quality Assurance Program Manual. October.

TtNUS (Tetra Tech NUS, Inc.), 2004. Field Summary Report and Engineering Evaluation/Cost Analysis of Alternatives for the Former Water Tower Site, Naval Air Station, Key West, Florida, prepared for Department of the Navy, Southern Division, Naval Facilities Engineering Command. Aiken, South Carolina. July.

APPENDIX A

RESPONSE TO AGENCY COMMENTS

APPENDIX A. RESPONSE TO AGENCY COMMENTS

Note: Responses to comments on Rev. 0 will be included in Rev. 1.

APPENDIX B

SAMPLE LOG SHEETS

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-07E-06-0804
Sample Location: C03V-07E
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1528 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

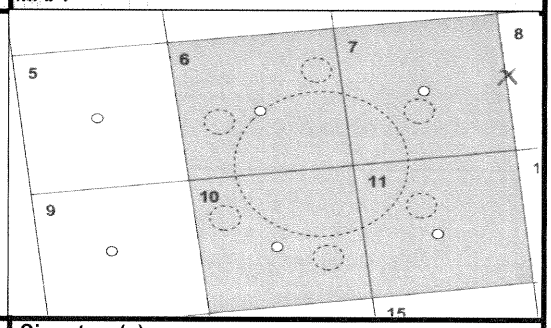
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.: C03V-DUP01-0804

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-07E-12-0804
Sample Location: C03V-07E
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1532 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

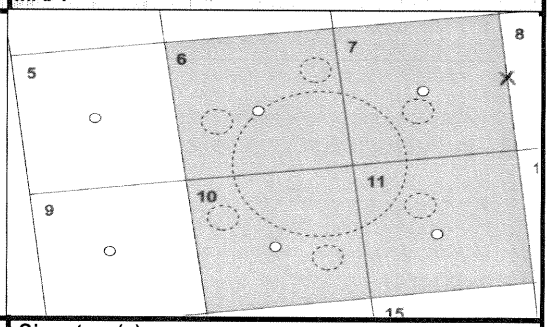
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-07E-24-0804
Sample Location: C03V-07N
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1535 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

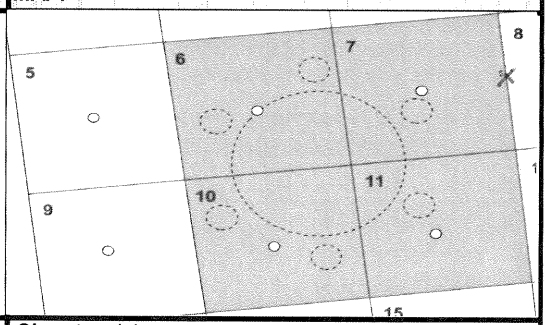
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-06N-06-0804
Sample Location: C03V-06N
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1602 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

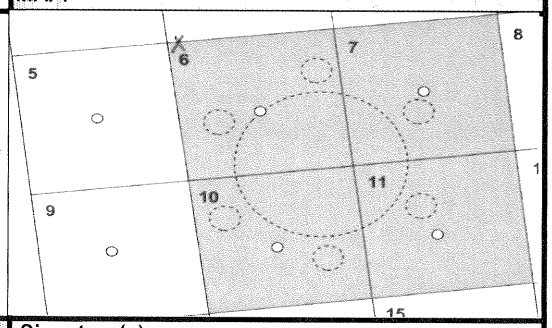
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

Sample location was dictated by excavation production schedule. Sample taken about 20 feet west of planned location.

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.: C03V-DUP02-0804

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-06N-12-0804
Sample Location: C03V-06N
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1606 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

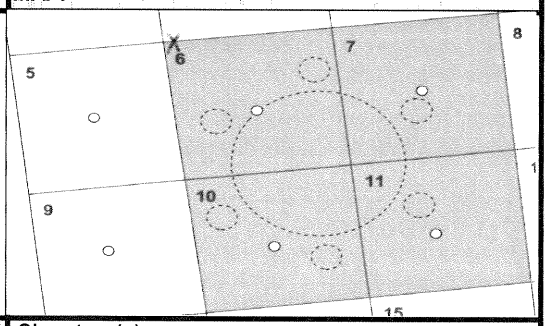
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

Sample location was dictated by excavation production schedule. Sample taken about 20 feet west of planned location.

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-06N-24-0804
Sample Location: C03V-06N
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1610 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

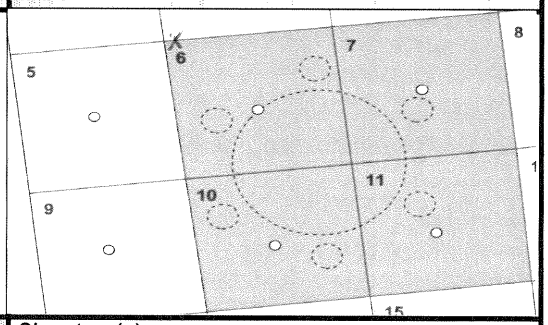
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

Sample location was dictated by excavation production schedule. Sample taken about 20 feet west of planned location.

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-07N-06-0804
Sample Location: C03V-07N
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1509 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

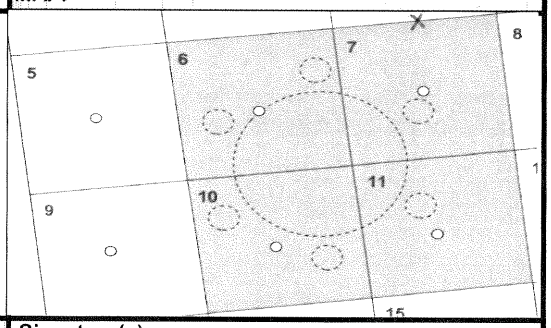
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-07N-12-0804
Sample Location: C03V-07N
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1512 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

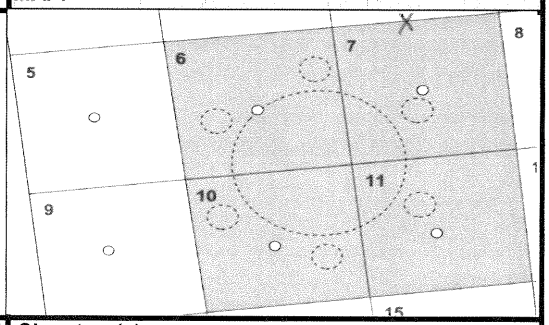
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-07N-24-0804
Sample Location: C03V-07N
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1515 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

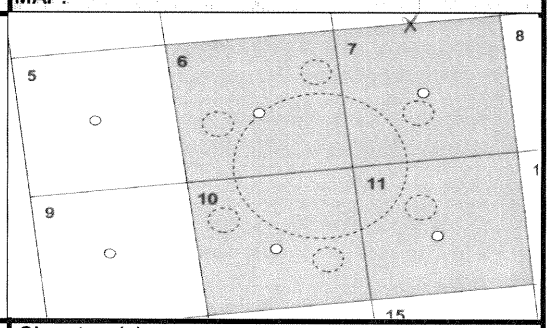
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-06W-12-0804
Sample Location: C03V-06W
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1613 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**White**	**Limestone and oolite**

COMPOSITE SAMPLE DATA:

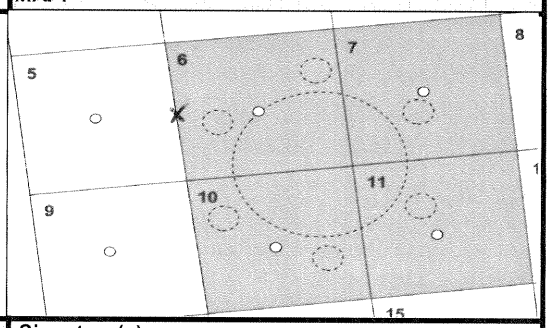
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-06W-24-0804
Sample Location: C03V-06W
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1617 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**White**	**Limestone and oolite**

COMPOSITE SAMPLE DATA:

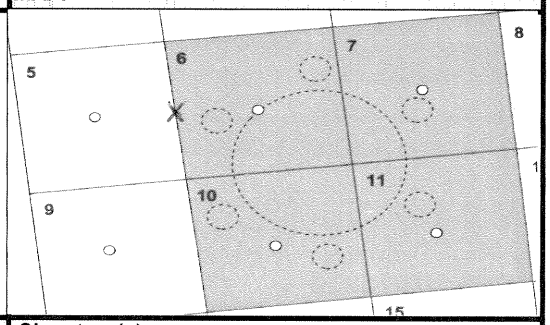
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Floor
[ ] QA Sample Type:

Sample ID No.: C03V-06F-0804
Sample Location: C03V-06F
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1553 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**24" BLS**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

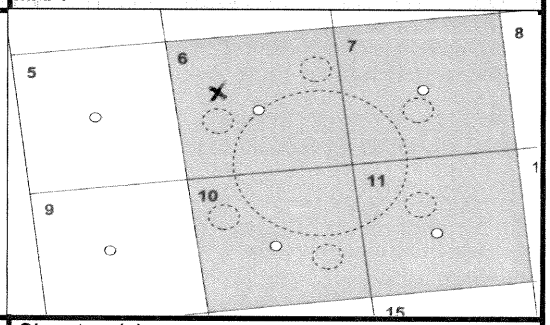
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

Note that sampler inadvertently put an incorrect sample time (1353 hours) on CoC.

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Floor
[ ] QA Sample Type:

Sample ID No.: C03V-07F-0804
Sample Location: C03V-07F
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 3 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **03 August 2004** Time: **1548 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**24" BLS**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

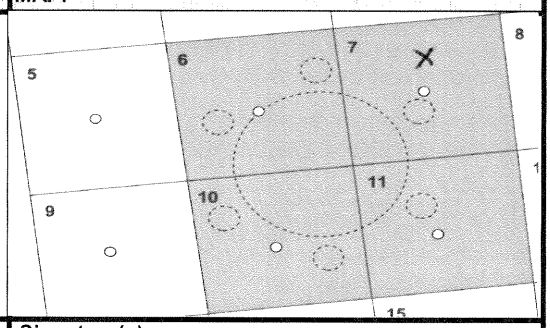
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

Note that sampler inadvertently put an incorrect sample time (1348 hours) on CoC.

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-10S-06-0804
Sample Location: C03V-10S
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **0935 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

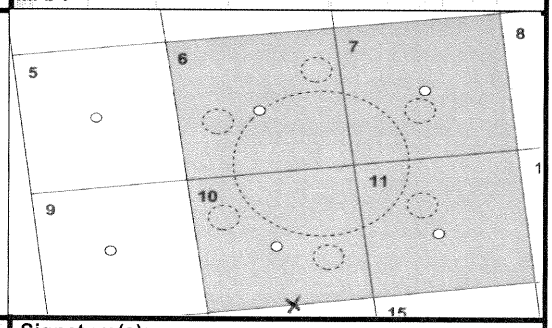
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-10S-12-0804
Sample Location: C03V-10S
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **0937 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

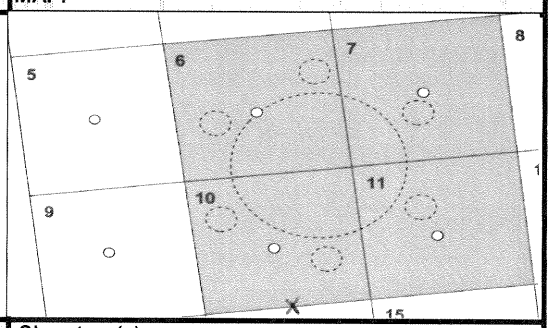
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-10S-24-0804
Sample Location: C03V-10S
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **0940 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

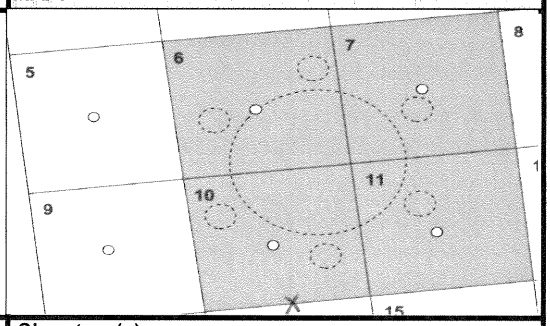
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-10W-06-0804
Sample Location: C03V-10W
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1010 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

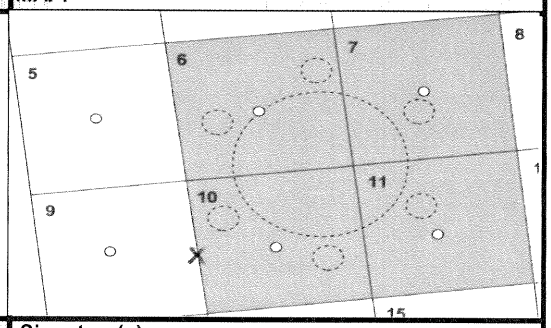
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-10W-12-0804
Sample Location: C03V-10W
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1013 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

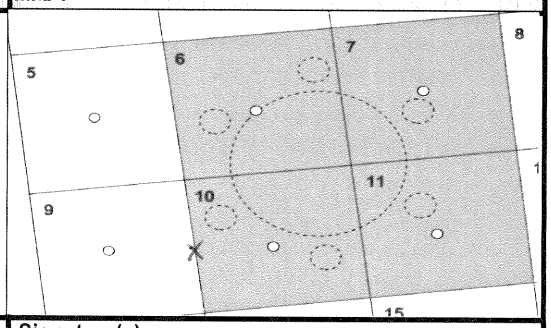
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-10W-24-0804
Sample Location: C03V-10W
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1016 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

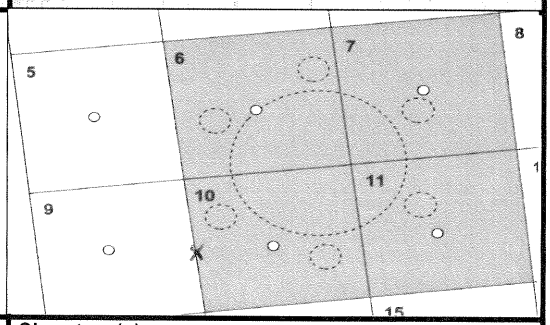
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-11E-06-0804
Sample Location: C03V-11E
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1114 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

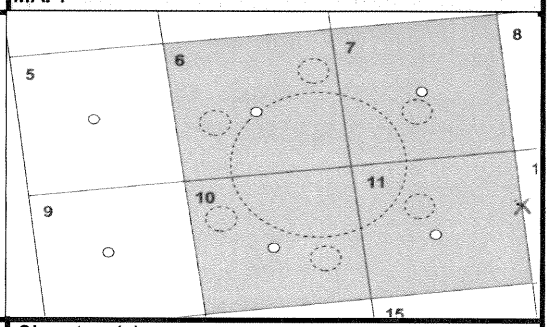
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-11E-12-0804
Sample Location: C03V-11E
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1117 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

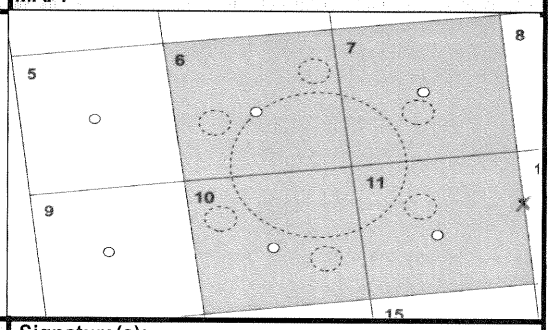
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-11E-24-0804
Sample Location: C03V-11E
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1120 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

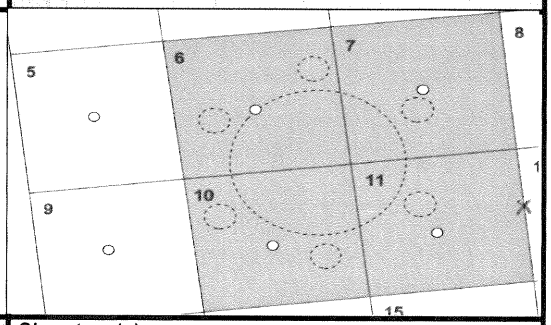
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Floor
[ ] QA Sample Type:

Sample ID No.: C03V-11F-0804
Sample Location: C03V-11F
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1137 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**24" BLS**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

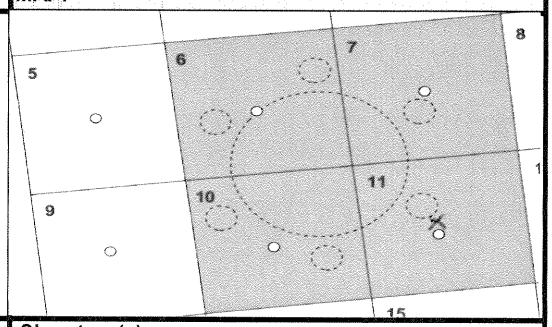
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[ ] Other:
[X] QA Sample Type: Field Blank

Sample ID No.: KWFB080404
Sample Location: N/A
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

Date: **03-04 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **N/A**			
Method: **N/A**	N/A	N/A	N/A
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

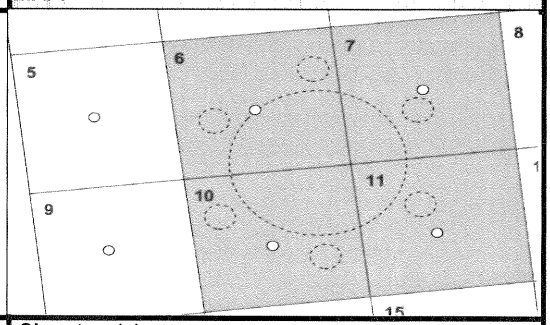
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 500 ml poly container	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-11S-06-0804
Sample Location: C03V-11S
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1033 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

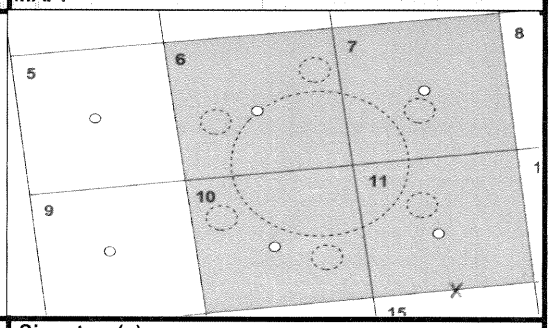
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-11S-12-0804
Sample Location: C03V-11S
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1036 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

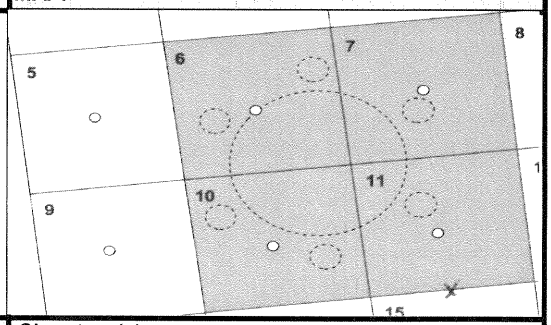
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.: C03V-DUP03-0804

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-11S-24-0804
Sample Location: C03V-11S
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1039 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

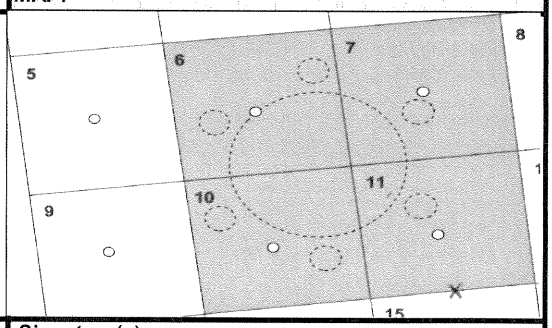
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Floor
[ ] QA Sample Type:

Sample ID No.: C03V-10F-0804
Sample Location: C03V-10F
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **1133 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**24" BLS**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

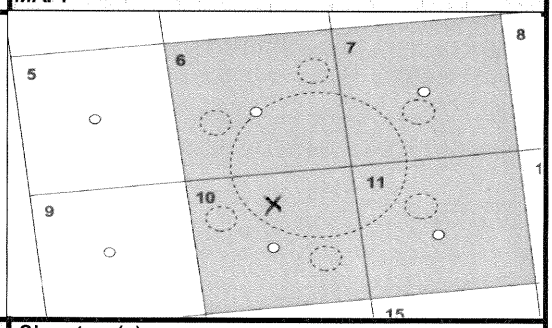
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-05N-06-0804
Sample Location: C03V-05N
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **0920 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**White**	**Limestone and oolite**

COMPOSITE SAMPLE DATA:

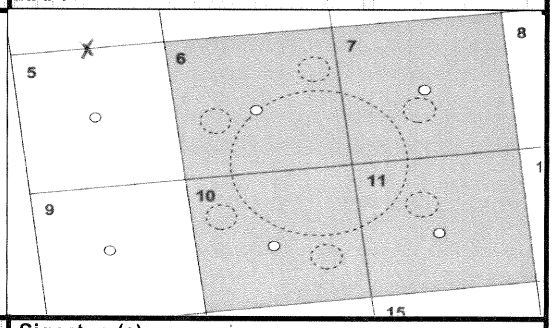
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-05S-06-0804
Sample Location: C03V-05S
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **0923 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**White**	**Limestone and oolite**

COMPOSITE SAMPLE DATA:

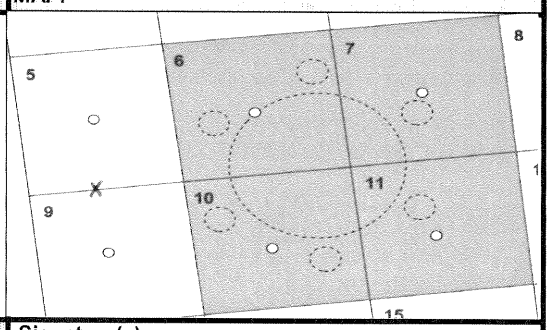
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-05N-06-0804
Sample Location: C03V-05N
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **04 August 2004** Time: **0920 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**White**	**Limestone and oolite**

COMPOSITE SAMPLE DATA:

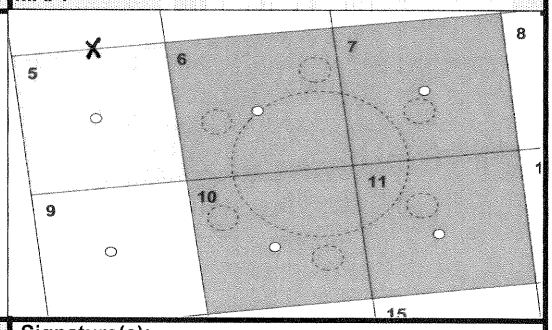
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-05S-06-0804
Sample Location: C03V-05S
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 4 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: **04 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **0923 Hours**	0-6"	White	Limestone and oolite
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

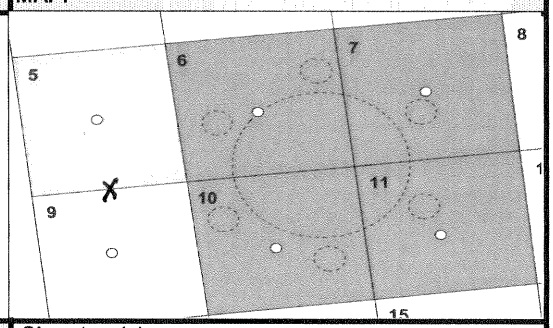
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-09C-06-0804
Sample Location: C03V-09C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1600 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

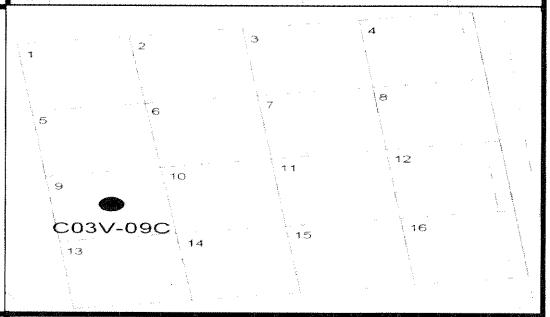
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-09C-12-0804
Sample Location: C03V-09C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1601 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

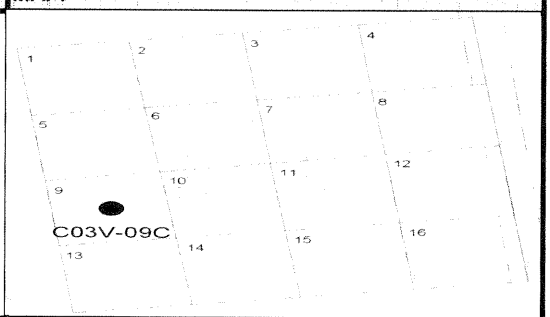
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-09C-24-0804
Sample Location: C03V-09C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004**			
Time: **1602 Hours**			
Method: **Disposable Trowel**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

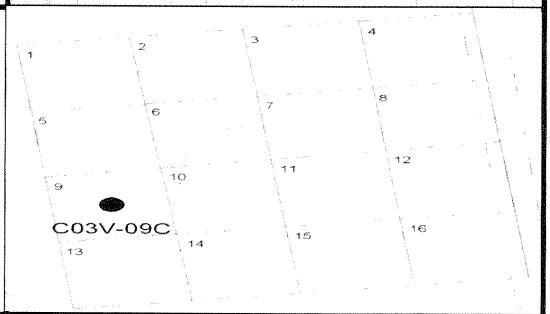
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-02ES-06-0804
Sample Location: C03V-02ES
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

Date: **09 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1530 Hours**	0-6"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

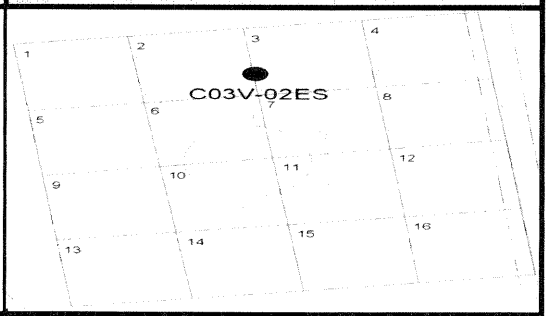
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-02ES-12-0804
Sample Location: C03V-02ES
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1531 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

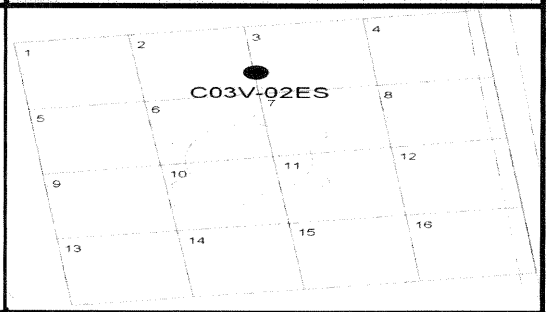
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-02ES-24-0804
Sample Location: C03V-02ES
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1532 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

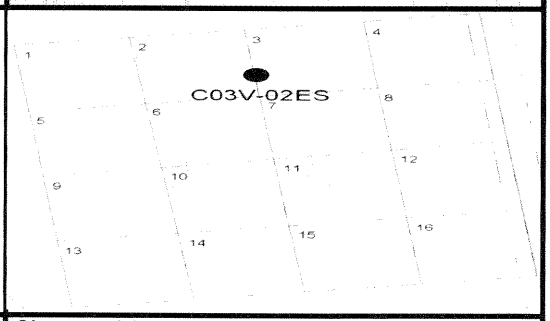
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-02C-06-0804
Sample Location: C03V-02C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1535 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

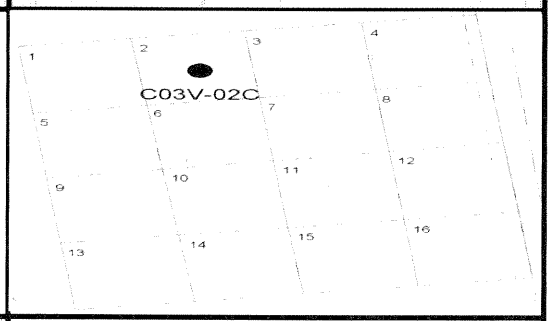
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-02C-12-0804
Sample Location: C03V-02C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1536 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

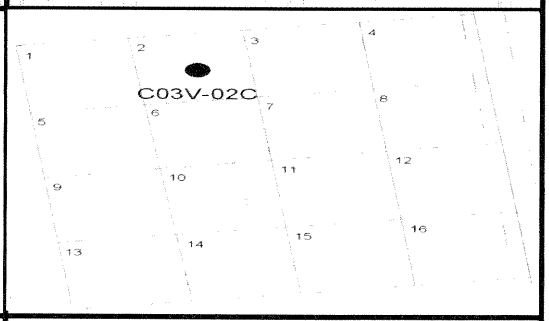
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-02C-24-0804
Sample Location: C03V-02C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1537 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

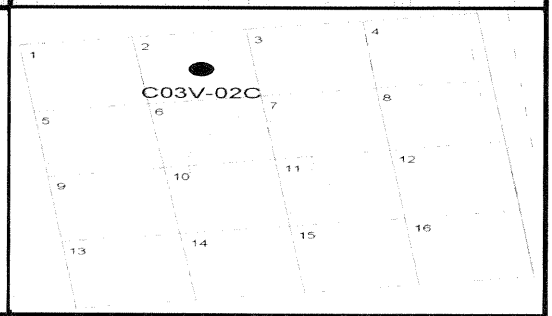
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-01C-06-0804
Sample Location: C03V-01C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1540 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

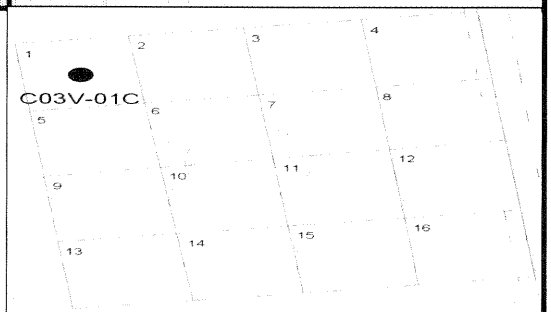
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-01C-12-0804
Sample Location: C03V-01C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1541 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

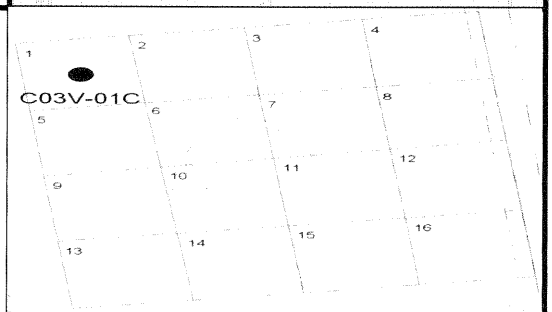
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-01C-24-0804
Sample Location: C03V-01C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1542 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

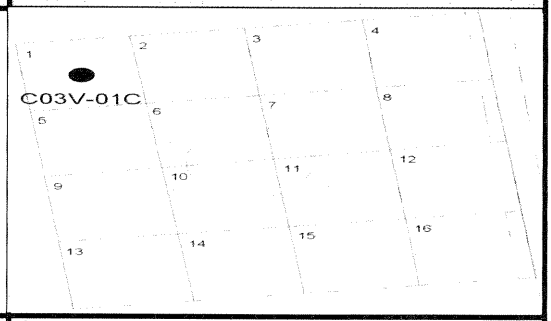
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-01WS-06-0804
Sample Location: C03V-01WS
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1552 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

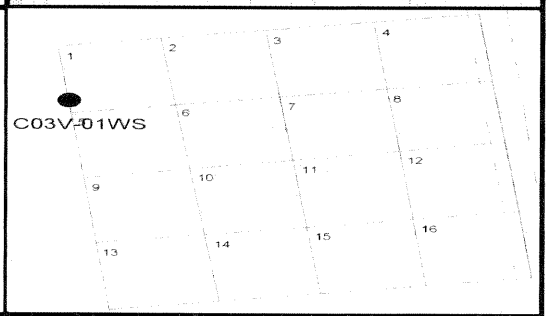
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-01WS-12-0804
Sample Location: C03V-01WS
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

Date: **09 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1553 Hours**	6-12"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

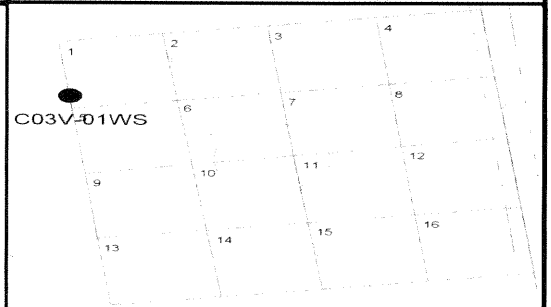
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-01WS-24-0804
Sample Location: C03V-01WS
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

Date: **09 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1554 Hours**	12-24"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

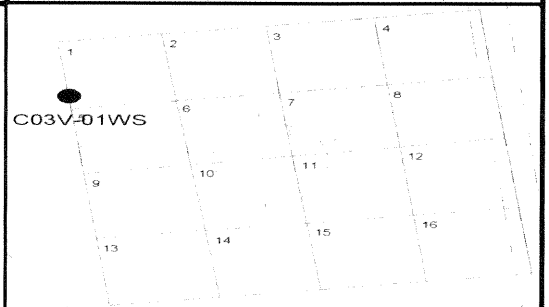
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-13C-06-0804
Sample Location: C03V-13C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1608 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

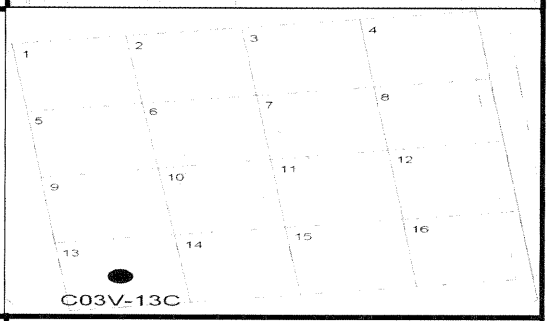
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-13C-12-0804
Sample Location: C03V-13C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1609 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

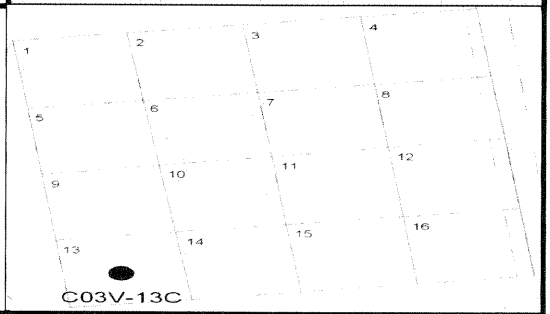
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-13C-24-0804
Sample Location: C03V-13C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1610 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

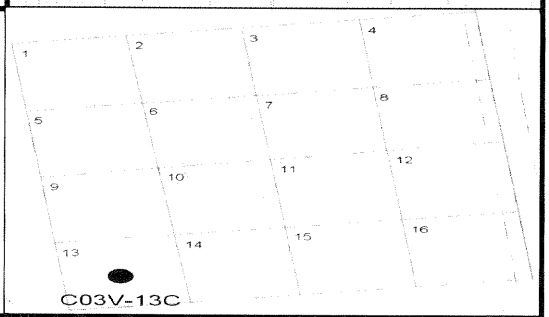
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-14C-06-0804
Sample Location: C03V-14C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1615 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

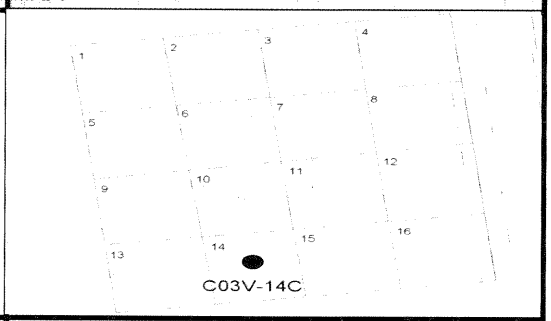
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-14C-12-0804
Sample Location: C03V-14C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1616 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

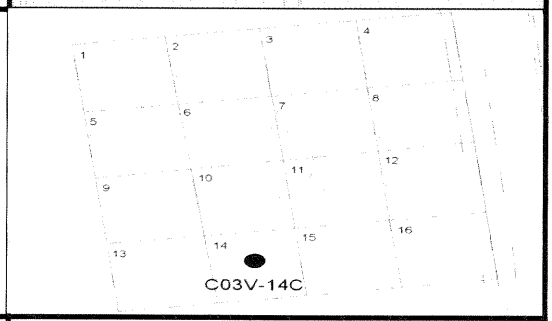
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-14C-24-0804
Sample Location: C03V-14C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1617 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

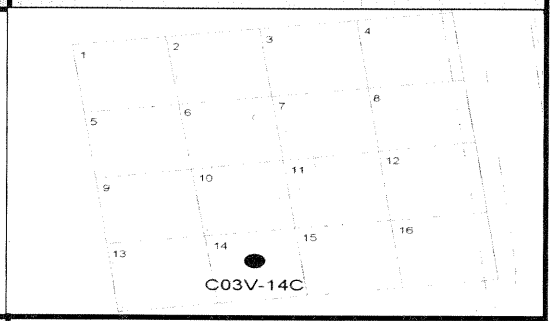
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-15C-06-0804
Sample Location: C03V-15C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

Date: **09 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1623 Hours**	0-6"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

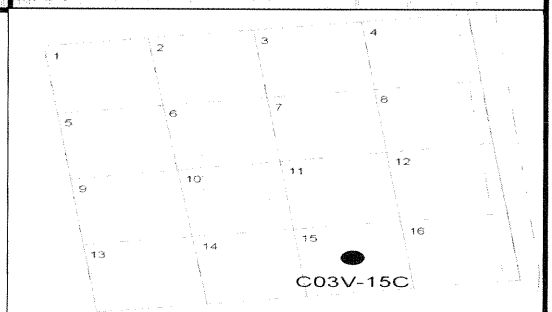
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-15C-12-0804
Sample Location: C03V-15C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1624 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

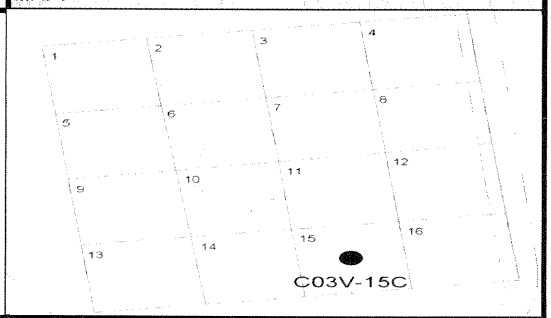
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-15C-24-0804
Sample Location: C03V-15C
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1625 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

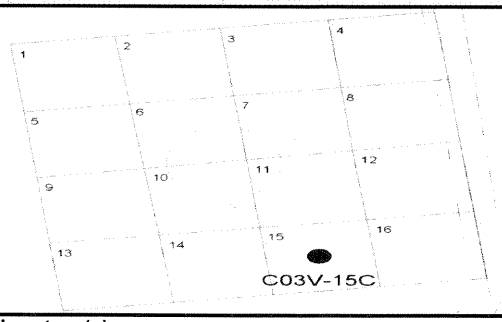
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-15EN-06-0804
Sample Location: C03V-15EN
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1630 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

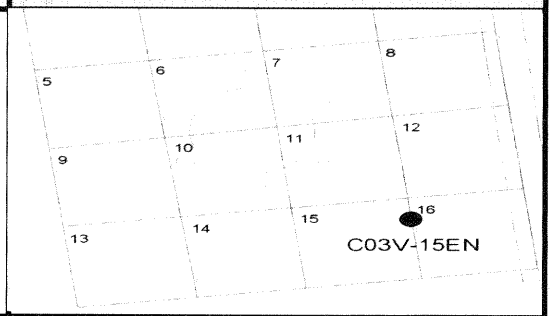
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-15EN-12-0804
Sample Location: C03V-15EN
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1631 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

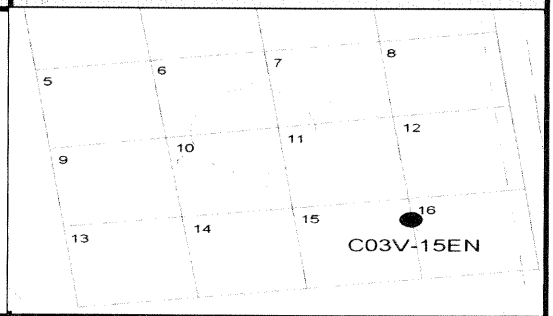
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-15EN-24-0804
Sample Location: C03V-15EN
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

Date: **09 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1632 Hours**	12-24"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

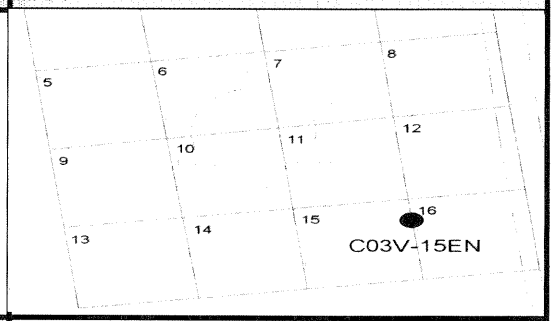
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-16SW-06-0804
Sample Location: C03V-16SW
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1640 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

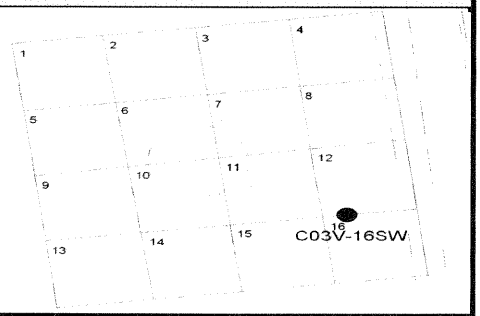
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-16SW-12-0804
Sample Location: C03V-16SW
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

Date: **09 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1641 Hours**	6-12"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

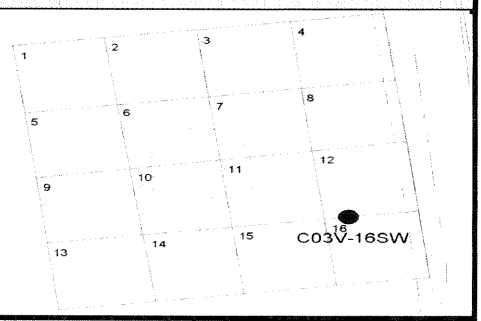
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-16SW-24-0804
Sample Location: C03V-16SW
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1642 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

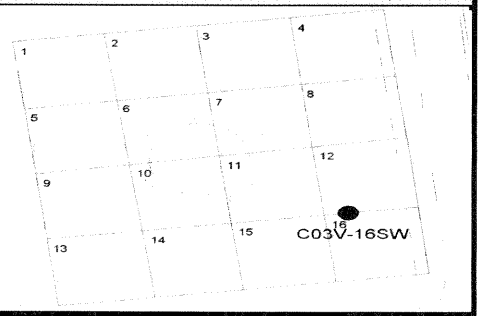
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Floor
[ ] QA Sample Type:

Sample ID No.: C03V-10F-48-0804
Sample Location: C03V-10F
Sampled By: Chuck Bryan
C.O.C. No.: Katahdin 9 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **09 August 2004** Time: **1645 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**48" BLS**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

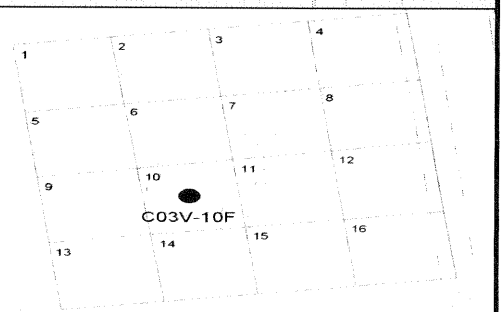
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-12C-06-0804
Sample Location: C03V-12C
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **0925 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

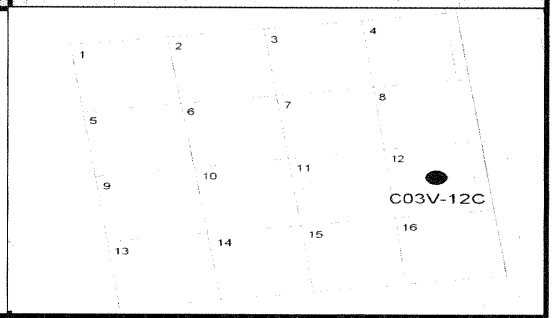
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-12C-12-0804
Sample Location: C03V-12C
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **0930 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

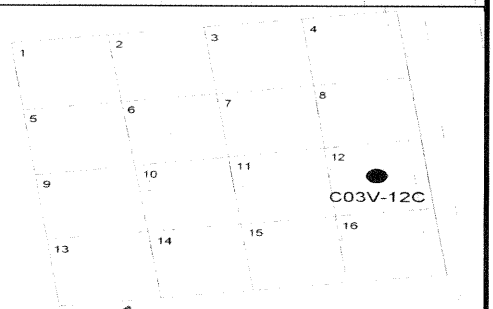
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-12C-24-0804
Sample Location: C03V-12C
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **0935 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

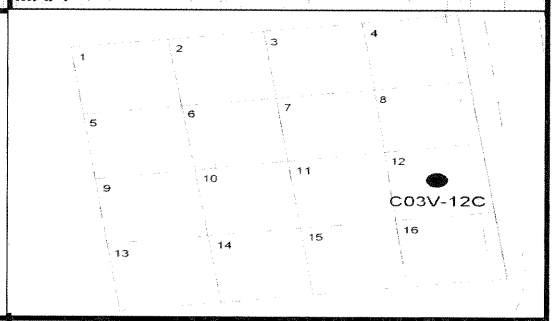
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
✓	C03V-DUP06-0804

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-12NW-06-0804
Sample Location: C03V-12NW
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **1130 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

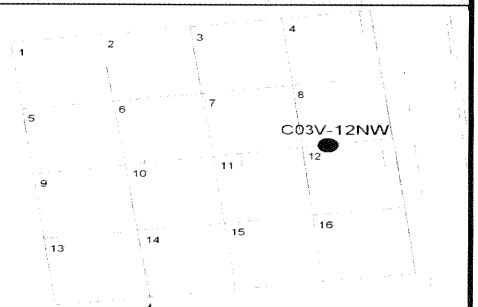
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-12NW-12-0804
Sample Location: C03V-12NW
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **1130 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

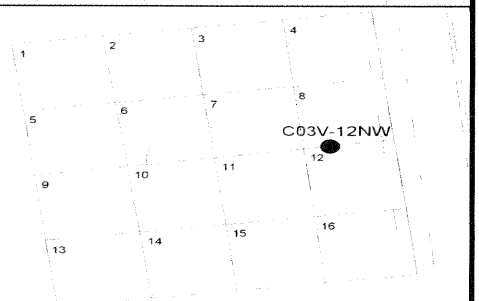
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.: C03V-DUP05-0804

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-12NW-24-0804
Sample Location: C03V-12NW
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **1130 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

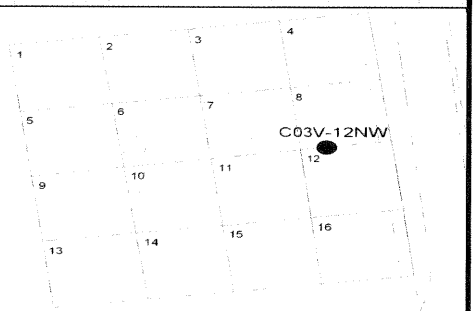
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Floor
[ ] QA Sample Type:

Sample ID No.: C03V-05F-0804
Sample Location: C03V-05F
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **1110 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**24" BLS**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

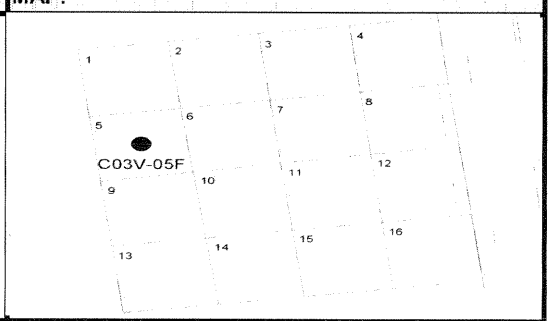
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.: C03V-DUP04-0804

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-05W-06-0804
Sample Location: C03V-05W
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

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

GRAB SAMPLE DATA:

Date: **10 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1116 Hours**	0-6"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

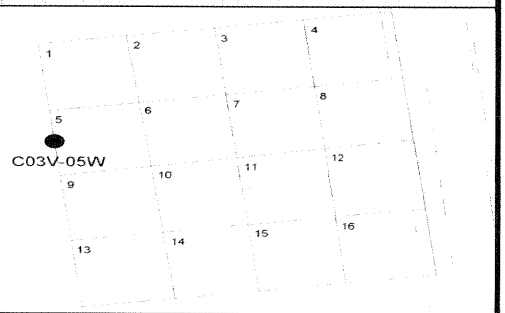
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-05W-12-0804
Sample Location: C03V-05W
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: **10 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1118 Hours**	6-12"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

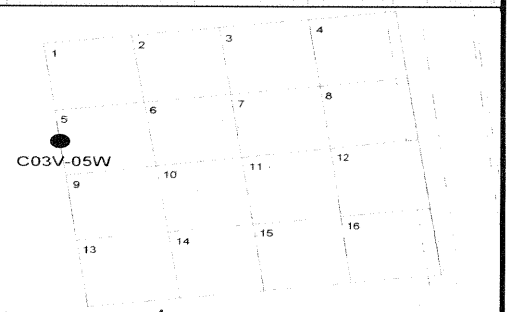
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-05W-24-0804
Sample Location: C03V-05W
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **1120 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

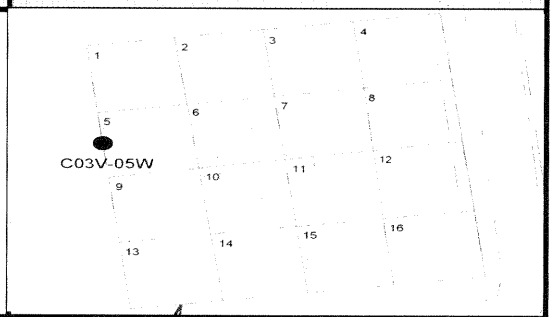
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-09WN-06-0804
Sample Location: C03V-09WN
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **1125 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

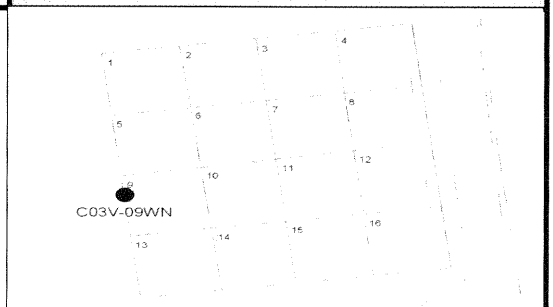
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-09WN-12-0804
Sample Location: C03V-09WN
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **1127 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

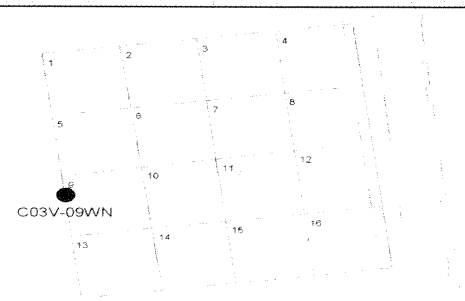
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Shonda L. Sumpter

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-09WN-24-0804
Sample Location: C03V-09WN
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 10 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **10 August 2004** Time: **1130 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Floor
[ ] QA Sample Type:

Sample ID No.: C03V-10F-72-0804
Sample Location: C03V-10F
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1458 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**72" Below Land Surface**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

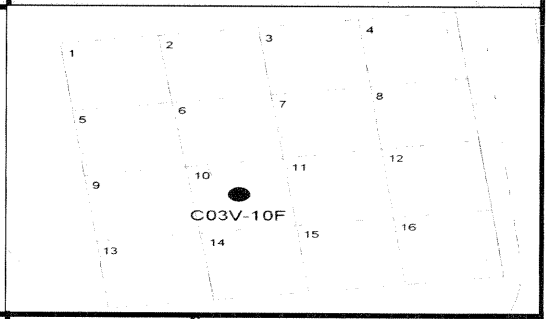
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-12EF-06-0804
Sample Location: C03V-12EF
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1429 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

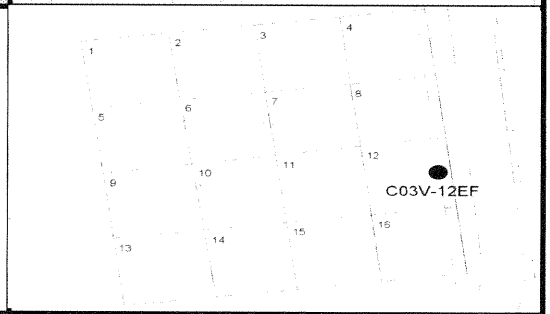
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND AUGER				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-12EF-12-0804
Sample Location: C03V-12EF
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: **16 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1431 Hours**	6-12"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

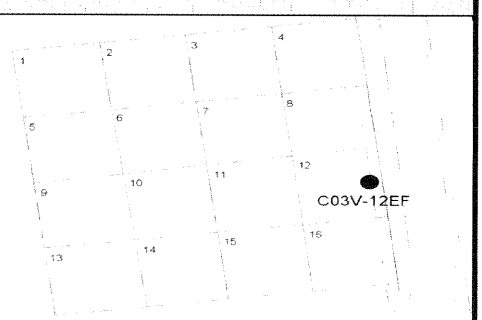
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-12EF-24-0804
Sample Location: C03V-12EF
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1434 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

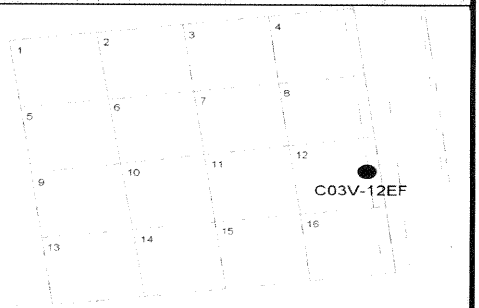
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
✓	C03V-DUP07-0804

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-16EF-06-0804
Sample Location: C03V-16EF
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1437 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

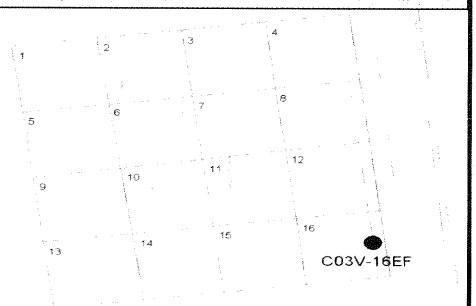
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND AUGER				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s): Shonda L. Sumpter

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-16EF-12-0804
Sample Location: C03V-16EF
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

Date: **16 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1434 Hours**	6-12"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

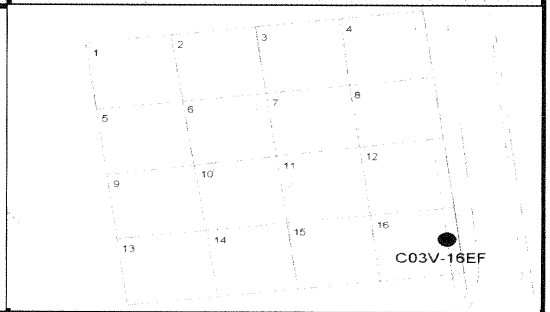
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
✓	—

Signature(s): Shonda L. Sumpter

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-16EF-24-0804
Sample Location: C03V-16EF
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1440 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

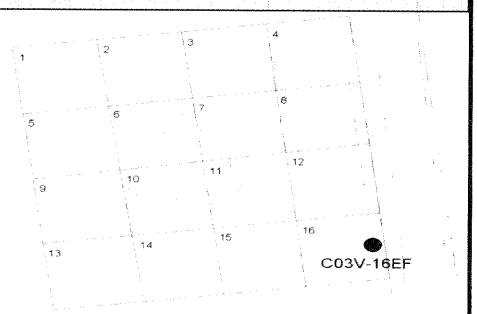
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-16S-06-0804
Sample Location: C03V-16S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1443 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

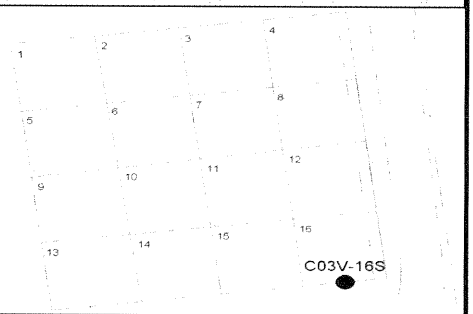
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND AUGER				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-16S-12-0804
Sample Location: C03V-16S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1444 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

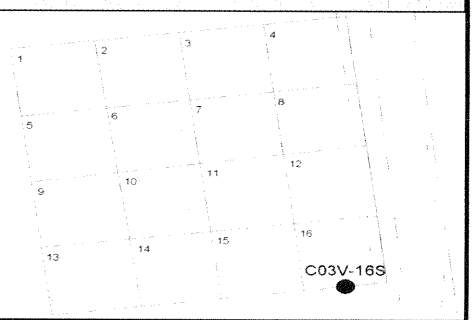
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): Shonda L. Sumpter

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-16S-24-0804
Sample Location: C03V-16S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1446 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

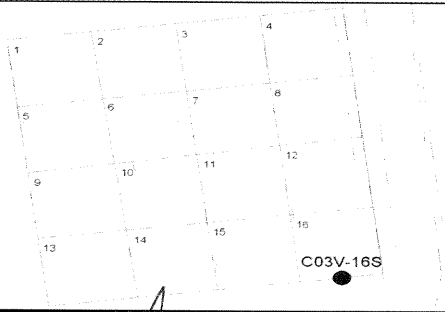
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND AUGER				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
✓	—

Signature(s): Shonda L. Sumpter

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-15S-06-0804
Sample Location: C03V-15S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1448 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

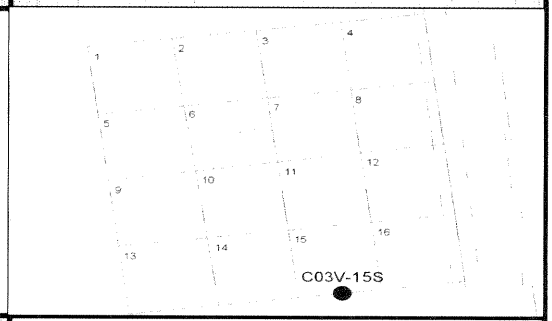
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.: C03V-DUP08-0804

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-15S-12-0804
Sample Location: C03V-15S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1449 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

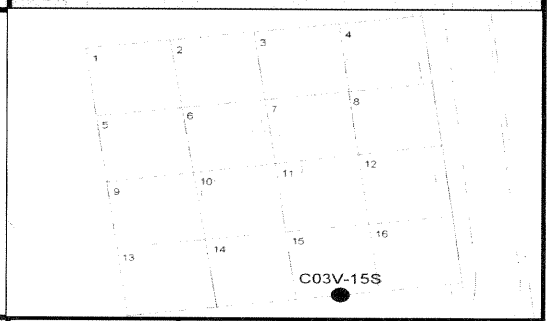
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-15S-24-0804
Sample Location: C03V-15S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1450 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

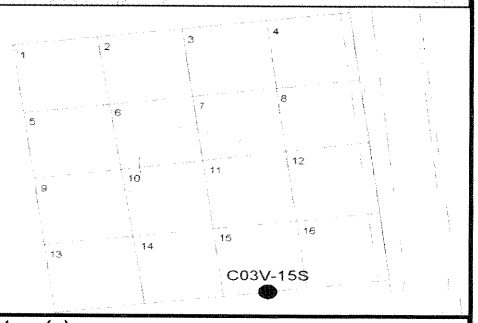
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-14S-06-0804
Sample Location: C03V-14S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: **16 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1524 Hours**	0-6"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

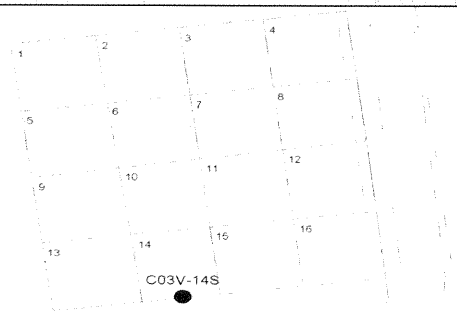
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-14S-12-0804
Sample Location: C03V-14S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: **16 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1525 Hours**	6-12"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

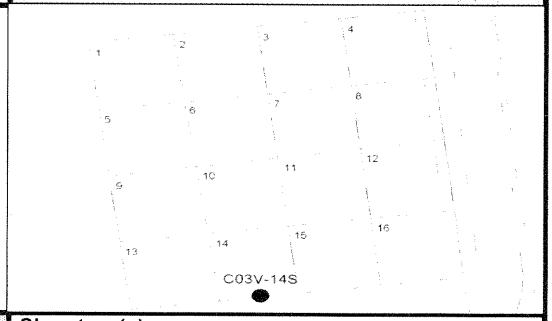
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-14S-24-0804
Sample Location: C03V-14S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1526 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

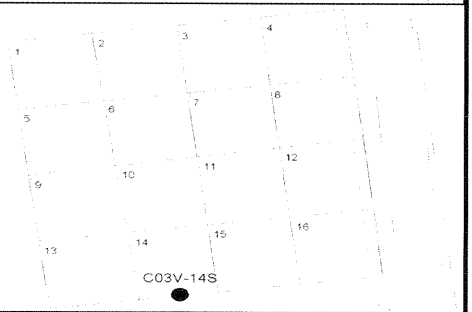
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-13S-06-0804
Sample Location: C03V-13S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1452 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

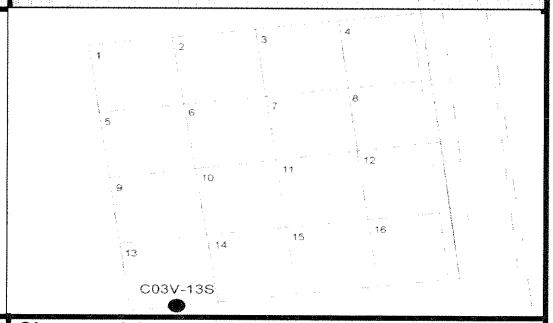
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-13S-12-0804
Sample Location: C03V-13S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: **16 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1453 Hours**	6-12"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

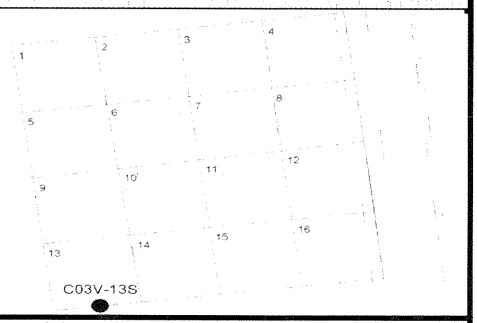
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
✓	C03V-DUP09-0804

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-13S-24-0804
Sample Location: C03V-13S
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1454 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

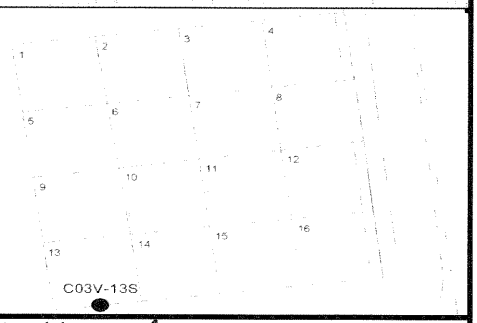
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-13W-06-0804
Sample Location: C03V-13W
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: **16 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1512 Hours**	0-6"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

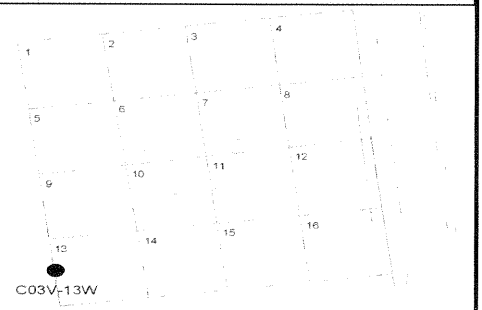
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-13W-12-0804
Sample Location: C03V-13W
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **16 August 2004** Time: **1518 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**6-12"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

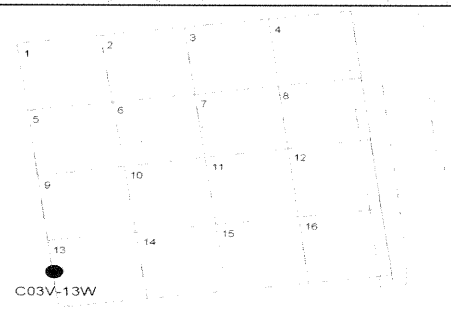
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s): Shonda L. Sumpter

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

Sample ID No.: C03V-13W-24-0804
Sample Location: C03V-13W
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 16 August 2004

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: **16 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1519 Hours**	12-24"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

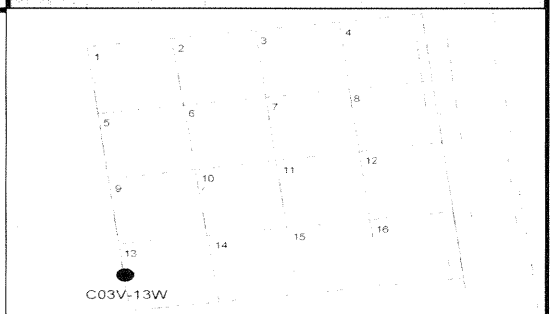
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-12ER-06-0804
Sample Location: C03V-12ER
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 18 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **18 August 2004** Time: **1336 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**0-6"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

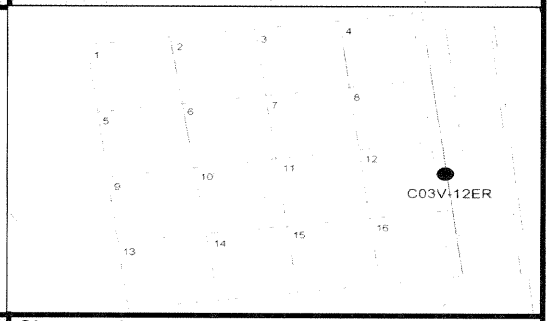
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD **Duplicate ID No.:**

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-12ER-12-0804
Sample Location: C03V-12ER
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 18 August 2004

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

GRAB SAMPLE DATA:

Date: **18 August 2004**	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: **1337 Hours**	6-12"	Light Tan	Medium and Fine Grain Sand, Dry
Method: **Disposable Trowel**			
Monitor Reading (ppm): **N/A**			

COMPOSITE SAMPLE DATA:

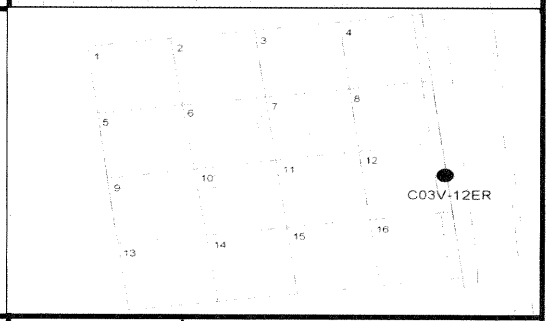
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND				
AUGER				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - WATER TOWER SITE
Project No.: CTO 349 - N0693

[ ] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[X] Other: Sidewall
[ ] QA Sample Type:

Sample ID No.: C03V-12ER-24-0804
Sample Location: C03V-12ER
Sampled By: Shonda Sumpter
C.O.C. No.: Katahdin 18 August 2004

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

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: **18 August 2004** Time: **1338 Hours** Method: **Disposable Trowel** Monitor Reading (ppm): **N/A**	**12-24"**	**Light Tan**	**Medium and Fine Grain Sand, Dry**

COMPOSITE SAMPLE DATA:

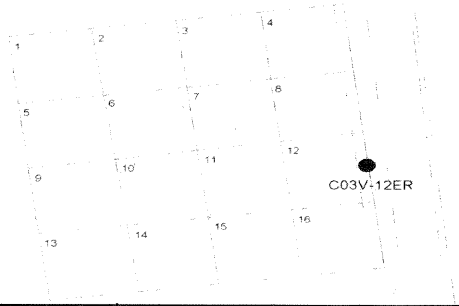
Date:	Soil Boring	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:				
Method: HAND AUGER				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TAL Metals and TCL PCBs	One 8-Ounce Jar	1	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

APPENDIX C

FIELD DATA SHEETS

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter & S. McQuire Date: 18 Aug 04 Location: NAS Key West / Water Tower

Sample ID	ΔOD Standards	OD sample	Interpretation	OD sample	Interpretation	Comments
		#1 0.03 ppm	deep yellow	#2 0.03 ppm	deep yellow	
C03TK-12ER-06	0.5 ppm	0.71	deep yellow	0.69		
	10 ppm	0.61	deep yellow	0.58		
	50 ppm	0.70	deep yellow	0.69		
C03TK-12ER-12	0.5 ppm	0.62	deep yellow	0.59		
	10 ppm	0.64	deep yellow	0.65		
	50 ppm	0.74	deep yellow	0.73		
C03TK-12ER-24	0.5 ppm	0.87	deep yellow	0.88		
	10 ppm	0.77	deep yellow	0.72		
	50 ppm	1.29	deep yellow	1.26		

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter Date: 17 Aug 04 Location: NAS Key West / Water Tower

Sample ID	ΔOD Standards #1	OD sample 0.15 ppm	Interpretation yellow	OD sample #2 -0.16 ppm	Interpretation yellow	Comments
C03TK-16EF-06	0.5ppm	0.60	deep yellow	0.77		
	10 ppm	0.48	deep yellow	0.65		
	50 ppm	0.64	deep yellow	0.78		
C03TK-16EF-12	0.5ppm	-0.58	clear	-0.42		
	10 ppm	0.56	deep yellow	0.70		
	50 ppm	0.66	deep yellow	0.82		
C03TK-16EF-24	0.5ppm	0.45	deep yellow	0.61		
	10 ppm	0.80	deep yellow	0.95		
	50ppm	0.79	deep yellow	0.95		

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter Date: 17 Aug 09 Location: NAS Key West / Water Tower

Sample ID	ΔOD #1 Standards	OD sample -0.05 ppm	Interpretation yellow	OD sample #2 0.05 ppm	Interpretation yellow	Comments
C03TK-10F-~~77~~0804	0.5 ppm	0.81	deep yellow	0.75		
	10 ppm	0.98	deep yellow	0.91		
	50 ppm	1.17	deep yellow	1.09		
C03TK-12EF-06	0.5 ppm	-0.04	yellow	-0.09		
	10 ppm	0.95	deep yellow	0.90		
	50 ppm	1.14	deep yellow	1.09		
C03TK-12EF-12	0.5 ppm	1.46	deep yellow	1.41		
	10 ppm	1.21	deep yellow	1.14		
	50 ppm	1.39	deep yellow	1.38		
C03TK-12EF-24	0.5 ppm	-0.72	clear	-0.78		
	10 ppm	1.13	deep yellow	1.07		
	50 ppm	1.11	deep yellow	1.05		

in Methanol → Lot 35040-17

Data for SDI PCB EnSys® 12T Soil Test

Operator: Shonda Sumpter Date: 10 Aug 04 Location: NAS Key West / Water Tower

Sample ID	ΔOD Standards	OD sample -0.01 ppm #2	Interpretation	OD sample -0.01 ppm #1	Interpretation	Comments
			yellow			
C03TK-12NW-06 0804	0.5 ppm	0.48	yellow	0.49		Sample < than 0.5 ppm
	10	0.66	yellow	0.67		Sample < than 10 ppm
	50	0.57	yellow	0.59		Sample < than 50 ppm
C03TK-12NW-12 0804	0.5 ppm	0.58	yellow	0.57		Sample < than 0.5 ppm
	10 ppm	0.62	yellow	0.63		Sample < than 10 ppm
	50 ppm	0.80	yellow	0.82		Sample < than 50 ppm
C03TK-12NW-24 0804	0.5 ppm	0.85	yellow	0.86		Sample < than 0.5 ppm
	10 ppm	1.05	yellow	1.04		Sample < than 10 ppm
	50 ppm	2.35	deep yellow	2.27		Sample < than 50 ppm

Darker Color → Lower Concentration

Lighter Color → Higher Concentration

- Photometer reading is negative or zero, PCBs level greater than or equal to testing level of sample
- Photometer reading is positive, PCB level less than testing level of sample

Data for SDI PCB EnSys® 12T Soil Test

Operator: Shonda Sumpter Date: 10Aug 04 Location: NAS Key West / Water Tower

Sample ID	ΔOD Standards	OD sample 0.25 ppm	Interpretation yellow	OD sample -0.26 ppm	Interpretation yellow	Comments
C03TK-12C-06 0804	0.5 ppm	-0.96	Clear/yellow	-0.71		Sample > or = to 0.5 ppm
	10 ppm	0.08	deep yellow	0.30		Sample < than 10 ppm
	15 ppm	0.60	deep yellow	0.83		Sample < than 50 ppm
C03TK-12C-12 0804	0.5 ppm	-0.29	yellow	-0.06		Sample > or = to 0.5 ppm
	10 ppm	-0.56	yellow	-0.32		Sample > or = to 10 ppm
	50 ppm	1.02	deep yellow	1.25		Same < than 50 ppm
C03TK-12C-24 0804	0.5 ppm	-0.49	yellow	-0.25		Sample > or = to 0.5 ppm
	10 ppm	1.29	deep yellow	1.46		Sample < than 10 ppm
	50 ppm	1.05	deep yellow	1.30		Sample < than 50 ppm
C03TK-5F-0804	0.5 ppm	-1.01	clear	-0.77		Sample > or = to 0.5 ppm
	10 ppm	1.16	deep yellow	1.42		Sample < than 10 ppm
	50 ppm	1.04	deep yellow	1.28		Sample < than 50 ppm

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter Date: 11 Aug 09 Location: NAS Key West / Water Tower

Sample ID	ΔOD Standards	OD sample #1 0.09 ppm	Interpretation yellow	OD sample -0.11 ppm	Interpretation #2 yellow	Comments
C03TK-15C 06-0804	0.5ppm	1.24	deep yellow	1.32		Sample < than 0.5 ppm
	10 ppm	0.31	yellow	0.41		Sample < than ~~0.5~~ 10 ppm
	50 ppm	0.44	yellow	0.54		Sample < than 50 ppm
C03TK-15C 12-0804	0.5ppm	0.42	yellow	0.53		Sample < than 0.5 ppm
	10 ppm	1.53	deep yellow	1.74		Sample < than 10 ppm
	50 ppm	2.24	deep yellow	2.11		Sample < than 50 ppm
C03TK-15C- 24-0804	0.5 ppm	0.45	yellow	0.55		Sample < than 0.5 ppm
	10 ppm	0.25	yellow	0.33		Sample < than 10 ppm
~~C03TK-15EN 06-0804~~	50 ppm	0.09	yellow	0.18		Sample < than 50 ppm
C03TK-15EN 06-0804	0.5ppm	-1.03	Clear	-0.93		Sample > or = to 0.5ppm
	10 ppm	-0.06	yellow	0.04		Sample > or = to 10 ppm
	50ppm	0.12	yellow	0.22		Sample < than 50 ppm

Darker color → lower concentration

Lighter color → higher concentration

- Photometer reading is negative or zero, PCBs level greater than or equal to testing Sampl
- Photometer reading is positive, PCB is less than the testing sample.

Page 1 of 3

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter Date: 11 Aug 89 Location: NAS Key West / Water Tower

Sample ID	ΔOD Standards	OD sample #1 0.21 ppm	Interpretation yellow	OD sample -0.23 ppm #2	Interpretation	Comments
C03TK-15EN 12-0804	0.5 ppm	0.67	~~deep~~ yellow	0.89		Sample < than 0.5 ppm
	10 ppm	1.63	deep yellow	2.01		Sample < than 10 ppm
	50 ppm	1.71	deep yellow	1.95		Sample < than 50 ppm
C03TK-15EN 24-0804	0.5 ppm	-1.07	Clear	-0.82		Sample > or = to 0.5 ppm
	10 ppm	0.45	yellow	0.66		Sample < than 10 ppm
	50 ppm	0.63	yellow	0.87		Sample < than 50 ppm
C03TK-16SW 06-0804	0.5 ppm	0.48	yellow	0.72		Sample < than 0.5 ppm
	10 ppm	0.84	yellow	1.07		Sample < than 10 ppm
	50 ppm	0.73	yellow	0.96		Sample < than 50 ppm
C03TK-16SW 12-0804	0.5 ppm	1.10	deep yellow	1.34		Sample < than ~~50~~ 0.5 ppm
	10 ppm	1.29	deep yellow	1.48		Sample < than 10 ppm
	50 ppm	1.23	deep yellow	1.50		Sample < than 50 ppm

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter Date: 11 Aug 04 Location: NAS Key West / Water Tower

Sample ID	ΔOD Standards	OD sample 0.36 ppm #1	Interpretation	OD sample 0.36 ppm #2	Interpretation	Comments
C03TK-16SW 24-0804	0.5 ppm	0.61	deep yellow	0.99		Sample < than 0.5 ppm
	10 ppm	0.48	yellow	0.87		Sample < than 10 ppm
	50 ppm	0.71	yellow	1.09		Sample < than 50 ppm
C03TK-14C 06-0804	0.5 ppm	0.73	yellow	1.11		Sample < than 0.5 ppm
	10 ppm	0.77	~~deep~~ yellow	1.15		Sample < than 10 ppm
	50 ppm	0.54	yellow	0.93		Sample < than 50 ppm
C03TK-14C 12-0804	0.5 ppm	0.79	yellow	1.16		Sample < than 0.5 ppm
	10 ppm	0.81	yellow	1.19		Sample < than 10 ppm
	50 ppm	0.73	yellow	1.14		Sample < than 50 ppm
C03TK-14C 24-0804	0.5 ppm	0.88	yellow	1.26		Sampl < than 0.5 ppm
	10 ppm	1.06	deep yellow	1.46		Sample < than 10 ppm
	50 ppm	0.99	deep yellow	1.38		Sample < than 50 ppm

Both standards were outside the QC limits, therefore a valid conclusion can not be determined.

Page 3 of 3

ppm = µ/Kg ppb = µ/Kg action level = 500 ppb

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter Date: 7 Aug 09 Location: NAS Key West / Water Tower

Sample ID	ΔOD	OD sample	Interpretation	OD sample	Interpretation	Comments
	Standards	-0.14 ppm		0.09 ppm		
	dilution					
C03TK-01C-06-0804	0.5 ppm	-0.44	yellow	-0.32		sample > or = 0.5 ppm PCB
	10 ppm	0.10	deep yellow	0.19		Sample < 10 ppm PCB
	50 ppm	0.81	deep yellow	0.91		Sample < 50 ppm PBC
C03TK-02C-06-0804	0.5 ppm	-0.67	yellow	-0.57		Sample > or = 0.5 ppm PCB
	10 ppm	0.55	deep yellow	0.65		Sample < 10 ppm PCB
	50 ppm	0.64	deep yellow	0.75		Sample < 50 ppm PCB
C03TK-03C-06-0804	0.5 ppm	0.72	deep yellow	0.82		sample < 0.5 ppm PCB
	10 ppm	0.81	deep yellow	0.92		Sample < 10 ppm PCB
	50 ppm	1.04	deep yellow	1.14		Sample < 50 ppm PCB

darker color → lower concentration

lighter color → higher concentration

- photometer reading is negative or zero, PCBs present at level greater than or equal to testing level for that sample
- photometer reading is positive, PCB concentration less than testing level for that sample

PCB Standard in methanol = Lot 35040-4 1019200

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter Date: 7 Aug 04 Location: NAS Key West / Water Tower

Sample ID	ΔOD	OD sample	Interpretation	OD sample	Interpretation	Comments
	Standards	-0.11 ppm		0.11 ppm		
C03TK-09C-06-0804	dilution 0.5 ppm	1.23	deep yellow	1.32		sample < 0.5 ppm PCB
	10 ppm	1.20	deep yellow	1.31		Sample < 10 ppm PCB
	50 ppm	1.10	deep yellow	1.20		Sample < 50 ppm PCB
C03TK-13C 06-0804	0.5 ppm	-0.50	clear	-0.39		Sample ≥ 0.5 ppm PCB
	10 ppm	-0.09	yellow	0.02		Sample > or = 10 ppm PCB
	50 ppm	0.41	deep yellow	0.52		Sample < 50 ppm PCB

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter Date: 7 Aug 04 Location: NAS Key West / Water Tower

Sample ID	ΔOD	OD sample	Interpretation	OD sample	Interpretation	Comments
	Standards	-0.17 ppm		____ ppm		
C03TK-06F-24-0804	dilution 0.5 ppm	-0.91	clear			Sample > or = 0.5 ppm PCB
	10 ppm	-0.081	clear			Sample > or = 10 ppm PCB
	50 ppm	-0.79	clear			Sample > or = 50 ppm PCB
C03TK-07F-24-0804	0.5 ppm	0.54	deep yellow			Sample < 0.5 ppm PCB
	10 ppm	1.02	deep yellow			Sample < 10 ppm PCB
	50 ppm	0.71	deep yellow			Sample < 50 ppm PCB
C03TK-10F 24-0804	0.5 ppm	-0.87	clear			Sample > or = 0.5 ppm PCB
	10 ppm	-0.86	clear			Sample > or = 10 ppm PCB
	50 ppm	-0.81	clear			Sample > or = 50 ppm PCB
C03TK-11F-24-0804	0.5 ppm	-0.86	clear			Sample > or = 0.5 ppm PCB
	10 ppm	-0.24	yellow			Sample > or = 10 ppm PCB
	50 ppm	0.90	deep yellow			Sample < 50 ppm PCB

old test kit

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter Date: 17 Aug 04 Location:

Sample ID	ΔOD Standards #1	OD sample 0.13 ppm	Interpretation yellow	OD sample -0.16 ppm #2	Interpretation yellow	Comments
16EF-06	0.5 ppm	0.79	deep yellow	0.93		
	10	1.05	deep yellow	1.20		
	50	0.84	deep yellow	0.99		
16EF-12	0.5	-0.88	clear	-0.72		
	10	0.80	deep yellow	0.95		
	50	0.86	deep yellow	1.01		
16EF-24	0.5	0.82	deep yellow	0.97		
	10	1.41	deep yellow	1.53		
	50	1.68	deep yellow	1.92		

old test kit

Data for SDI PCB EnSys® 12T Soil Test

Operator: S. Sumpter Date: 17 Aug 04 Location: NAS Key West / Water Tower

Sample ID	ΔOD Standards #1	OD sample 0.02 ppm	Interpretation	OD sample -0.04 ppm #2	Interpretation	Comments
C03TK-10F-72-080	0.5 ppm	0.78	deep yellow	0.81		
	10 ppm	0.25	deep yellow	0.30		
	50 ppm	0.80	deep yellow	0.85		
C03TK-12EF-06	0.5 ppm	0.74	deep yellow	0.77		
	10	0.49	deep yellow	0.53		
	50	0.37	deep yellow	0.42		
C03TK-12EF-12	0.5 ppm	0.55	deep yellow	0.58		
	10 ppm	0.77	deep yellow	0.81		
	50 ppm	0.81	deep yellow	0.84		
C03TK-12EF-24	0.5 ppm	-0.91	light yellow	-0.84		
	10 ppm	0.40	deep yellow	0.42		
	50 ppm	0.36	deep yellow	0.38		

APPENDIX D

DATA VALIDATION REPORTS

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**AUGUST 31, 2004**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- SVOA/PCB**
CTO 349, NAS KEY WEST
SDG 3516

SAMPLES: 20/Solid

C03V-01C-06-0804	C03V-01C-12-0804	C03V-01C-24-0804
C03V-01WS-06-0804	C03V-01WS-12-0804	C03V-01WS-24-0804
C03V-02C-06-0804	C03V-02C-12-0804	C03V-02C-24-0804
C03V-02ES-06-0804	C03V-02ES-12-0804	C03V-02ES-24-0804
C03V-09C-06-0804	C03V-09C-12-0804	C03V-09C-24-0804
C03V-13C-06-0804	C03V-13C-12-0804	C03V-13C-24-0804
C03V-14C-06-0804	C03V-14C-12-0804	

OVERVIEW

The sample set for CTO 349 NAS Key West, SDG 3516 consists of twenty (20) solid environmental samples. All samples were analyzed for polychlorinated biphenyls (PCBs).

The samples were collected by TetraTech NUS on August 9, 2004 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 SW-846 Method 8082 analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
• Initial/continuing calibrations
* • Laboratory method blank results
• Surrogate Recoveries
* • Detection Limits

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

PCBs

The surrogate decachlorobiphenyl had a recovery greater than the quality control criterion for sample C03V-13C-24-0804 on the RTX-35 column. No action was taken on this basis because all other surrogate recoveries met criteria.

The surrogate decachlorobiphenyl had recoveries less than the quality control criterion for samples C03V-02ES-12-0804 and C03V-02C-12-0804 on the RTX-5 and RTX-35 columns. The results have been qualified as estimated (J) for samples C03V-02ES-12-0804 and C03V-02C-12-0804.

The surrogate tetrachloro-m-xylene had recoveries greater than the quality control criterion for samples C03V-01C-12-0804 and C03-13C-06-0804 on the RTX-35 column. No action was taken on this basis because all other surrogate recoveries met criteria.

The surrogate decachlorobiphenyl had recoveries less than the quality control criterion for samples C03V-09C-12-0804 and C03V-09C-24-0804MS on the RTX-5 column. No action was taken on this basis because all other surrogate recoveries met criteria.

The percent difference (%D) between analytical columns for the PCB analyses exceeded 25% for positive results reported for PCBs in the following samples:

Sample Number	Compound	% Difference	Qualification
C03V-01C-06-0804	Aroclor-1254	39.2%	J
C03V-13C-24-0804	Aroclor-1260	35.9%	J

The positive results have been qualified as estimated, "J".

The continuing calibration average percent difference on the RTX-5 column exceeded 15% for Aroclor-1254 on instrument "GC06" on 08/11/04 @16:49. No action was taken on this basis.

The continuing calibration average percent difference on the RTX-5 column exceeded 15% for Aroclor-1254 on instrument "GC06" on 08/12/04 @01:22. No action was taken on this basis.

Additional Comments:

Positive results less than the reporting limit (RL) were qualified as estimated "J", due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Continuing calibrations exceeded percent difference criterion.

Other Factors Affecting Data Quality: Data was qualified due to surrogate and percent differences between columns non-compliance.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines 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

Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

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: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-01C-06-0804	nsample	C03V-01C-12-0804	nsample	C03V-01C-24-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-7RA	lab_id	WU2426-8	lab_id	WU2426-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	96.1	Pct_Solids	91.2	Pct_Solids	92.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	270	J	U
AROCLOR-1260	480		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	19	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-01WS-06-0804	nsample	C03V-01WS-12-0804	nsample	C03V-01WS-24-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-10	lab_id	WU2426-11	lab_id	WU2426-12
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	92.6	Pct_Solids	94.0	Pct_Solids	92.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	280		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	300		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-02C-06-0804	nsample	C03V-02C-12-0804	nsample	C03V-02C-24-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-4	lab_id	WU2426-5	lab_id	WU2426-6
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	93.5	Pct_Solids	91.2	Pct_Solids	88.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	25		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	UJ	R
AROCLOR-1221	19	UJ	R
AROCLOR-1232	19	UJ	R
AROCLOR-1242	19	UJ	R
AROCLOR-1248	19	UJ	R
AROCLOR-1254	19	UJ	R
AROCLOR-1260	19	UJ	R

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	29		

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-02ES-06-0804	nsample	C03V-02ES-12-0804	nsample	C03V-02ES-24-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-1	lab_id	WU2426-2	lab_id	WU2426-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	94.8	Pct_Solids	95.2	Pct_Solids	94.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	210		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	UJ	R
AROCLOR-1221	18	UJ	R
AROCLOR-1232	18	UJ	R
AROCLOR-1242	18	UJ	R
AROCLOR-1248	18	UJ	R
AROCLOR-1254	18	UJ	R
AROCLOR-1260	57	J	R

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-09C-06-0804
samp_date	8/9/2004
lab_id	WU2426-13
qc_type	NM
units	UG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	70		

nsample	C03V-09C-12-0804
samp_date	8/9/2004
lab_id	WU2426-14
qc_type	NM
units	UG/KG
Pct_Solids	92.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	170		

nsample	C03V-09C-24-0804
samp_date	8/9/2004
lab_id	WU2426-15
qc_type	NM
units	UG/KG
Pct_Solids	76.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	22	U	
AROCLOR-1221	22	U	
AROCLOR-1232	22	U	
AROCLOR-1242	22	U	
AROCLOR-1248	22	U	
AROCLOR-1254	22	U	
AROCLOR-1260	20	J	P

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-13C-06-0804
samp_date	8/9/2004
lab_id	WU2426-16RA
qc_type	NM
units	UG/KG
Pct_Solids	95.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	250		
AROCLOR-1260	1600		

nsample	C03V-13C-12-0804
samp_date	8/9/2004
lab_id	WU2426-17
qc_type	NM
units	UG/KG
Pct_Solids	90.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	55		

nsample	C03V-13C-24-0804
samp_date	8/9/2004
lab_id	WU2426-18
qc_type	NM
units	UG/KG
Pct_Solids	89.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	21	J	U

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-14C-06-0804	nsample	C03V-14C-12-0804
samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-19	lab_id	WU2426-20
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	94.8	Pct_Solids	92.5
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	610		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	71		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/20/2004
Matrix: SOIL
% Solids: 96.0

Lab ID: WU2426-7RA
Client ID: C03V-01C-06-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.5
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.5
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.0
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.6
11097-69-1	Aroclor-1254		270	1.0	17	18	4.9
11096-82-5	Aroclor-1260		480	1.0	17	18	8.9
877-09-8	Tetrachloro-m-xylene		89%				
2051-24-3	Decachlorobiphenyl		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 91.2

Lab ID: WU2426-8
Client ID: C03V-01C-12-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.0
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.0
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.4
877-09-8	Tetrachloro-m-xylene		*111%				
2051-24-3	Decachlorobiphenyl		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 92.9

Lab ID: WU2426-9
Client ID: C03V-01C-24-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		102%				
2051-24-3	Decachlorobiphenyl		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 92.6

Lab ID: WU2426-10
Client ID: C03V-01WS-06-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260		280	1.0	17	18	9.3
877-09-8	Tetrachloro-m-xylene		80%				
2051-24-3	Decachlorobiphenyl		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 94.0

Lab ID: WU2426-11
Client ID: C03V-01WS-12-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.7
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		300	1.0	17	18	9.1
877-09-8	Tetrachloro-m-xylene		91%				
2051-24-3	Decachlorobiphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 92.2

Lab ID: WU2426-12
Client ID: C03V-01WS-24-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.9
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	9.0
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.3
877-09-8	Tetrachloro-m-xylene		76%				
2051-24-3	Decachlorobiphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 93.5

Lab ID: WU2426-4
Client ID: C03V-02C-06-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		25	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		68%				
2051-24-3	Decachlorobiphenyl		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 91.2

Lab ID: WU2426-5
Client ID: C03V-02C-12-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.0
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.0
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.4
877-09-8	Tetrachloro-m-xylene		62%				
2051-24-3	Decachlorobiphenyl		* 55%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 88.1

Lab ID: WU2426-6
Client ID: C03V-02C-24-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.3
11141-16-5	Aroclor-1232	U	19	1.0	17	19	6.0
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.6
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.4
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.3
11096-82-5	Aroclor-1260		29	1.0	17	19	9.7
877-09-8	Tetrachloro-m-xylene		76%				
2051-24-3	Decachlorobiphenyl		63%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 94.8

Lab ID: WU2426-1
Client ID: C03V-02ES-06-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.6
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.1
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.7
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		210	1.0	17	18	9.0
877-09-8	Tetrachloro-m-xylene		74%				
2051-24-3	Decachlorobiphenyl		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 95.2

Lab ID: WU2426-2
Client ID: C03V-02ES-12-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.6
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.5
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.1
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.7
11097-69-1	Aroclor-1254	U	18	1.0	17	18	4.9
11096-82-5	Aroclor-1260		57	1.0	17	18	9.0
877-09-8	Tetrachloro-m-xylene		58%				
2051-24-3	Decachlorobiphenyl		* 52%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 94.6

Lab ID: WU2426-3
Client ID: C03V-02ES-24-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.6
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.1
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.7
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.1
877-09-8	Tetrachloro-m-xylene		91%				
2051-24-3	Decachlorobiphenyl		79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 93.8

Lab ID: WU2426-13
Client ID: C03V-09C-06-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.7
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		70	1.0	17	18	9.1
877-09-8	Tetrachloro-m-xylene		99%				
2051-24-3	Decachlorobiphenyl		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 92.6

Lab ID: WU2426-14
Client ID: C03V-09C-12-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260		170	1.0	17	18	9.3
877-09-8	Tetrachloro-m-xylene		68%				
2051-24-3	Decachlorobiphenyl		62%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 76.1

Lab ID: WU2426-15
Client ID: C03V-09C-24-0804
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	22	1.0	17	22	14
11104-28-2	Aroclor-1221	U	22	1.0	17	22	11
11141-16-5	Aroclor-1232	U	22	1.0	17	22	6.9
53469-21-9	Aroclor-1242	U	22	1.0	17	22	8.8
12672-29-6	Aroclor-1248	U	22	1.0	17	22	11
11097-69-1	Aroclor-1254	U	22	1.0	17	22	6.2
11096-82-5	Aroclor-1260	J	20	1.0	17	22	11
877-09-8	Tetrachloro-m-xylene		97%				
2051-24-3	Decachlorobiphenyl		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/20/2004
Matrix: SOIL
% Solids: 95.2

Lab ID: WU2426-16RA
Client ID: C03V-13C-06-0804
SDG: CTO351-6
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.6
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.5
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.1
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.7
11097-69-1	Aroclor-1254		250	1.0	17	18	4.9
11096-82-5	Aroclor-1260		1600	1.0	17	18	9.0
877-09-8	Tetrachloro-m-xylene		*104%				
2051-24-3	Decachlorobiphenyl		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 90.5

Lab ID: WU2426-17
Client ID: C03V-13C-12-0804
SDG: CTO351-6
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.0
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.1
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260		55	1.0	17	19	9.5
877-09-8	Tetrachloro-m-xylene		88%				
2051-24-3	Decachlorobiphenyl		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 89.6

Lab ID: WU2426-18
Client ID: C03V-13C-24-0804
SDG: CTO351-6
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.1
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.9
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.5
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.2
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260		21	1.0	17	19	9.6
877-09-8	Tetrachloro-m-xylene		90%				
2051-24-3	Decachlorobiphenyl		*111%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 94.8

Lab ID: WU2426-19
Client ID: C03V-14C-06-0804
SDG: CTO351-6
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.6
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.1
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.7
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		610	1.0	17	18	9.0
877-09-8	Tetrachloro-m-xylene		100%				
2051-24-3	Decachlorobiphenyl		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 92.5

Lab ID: WU2426-20
Client ID: C03V-14C-12-0804
SDG: CTO351-6
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260		71	1.0	17	18	9.3
877-09-8	Tetrachloro-m-xylene		90%				
2051-24-3	Decachlorobiphenyl		99%				

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG 3516

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-14C-06-0804	WU2426-019	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-14C-12-0804	WU2426-020	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-13C-24-0804	WU2426-018	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-13C-12-0804	WU2426-017	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-13C-06-0804	WU2426-016	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-09C-24-0804	WU2426-015	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-09C-12-0804	WU2426-014	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-09C-06-0804	WU2426-013	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02ES-24-0804	WU2426-003	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02ES-12-0804	WU2426-002	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-01C-12-0804	WU2426-008	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02C-24-0804	WU2426-006	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02C-12-0804	WU2426-005	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02C-06-0804	WU2426-004	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-01WS-24-0804	WU2426-012	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-01WS-12-0804	WU2426-011	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-01WS-06-0804	WU2426-010	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-01C-24-0804	WU2426-009	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-01C-06-0804	WU2426-007	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02ES-06-0804	WU2426-001	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-09C-12-0804	WU2426-014	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-09C-12-0804	WU2426-014	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-09C-06-0804	WU2426-013	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-09C-06-0804	WU2426-013	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02ES-24-0804	WU2426-003	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-09C-24-0804	WU2426-015	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02ES-12-0804	WU2426-002	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-13C-24-0804	WU2426-018	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02ES-24-0804	WU2426-003	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-09C-24-0804	WU2426-015	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-13C-06-0804	WU2426-016	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-13C-06-0804	WU2426-016	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-13C-12-0804	WU2426-017	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-13C-24-0804	WU2426-018	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-14C-06-0804	WU2426-019	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-14C-06-0804	WU2426-019	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02ES-12-0804	WU2426-002	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01WS-12-0804	WU2426-011	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-13C-12-0804	WU2426-017	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-01WS-24-0804	WU2426-012	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01C-06-0804	WU2426-007	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01C-06-0804	WU2426-007	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-01C-12-0804	WU2426-008	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01C-12-0804	WU2426-008	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-01C-24-0804	WU2426-009	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01C-24-0804	WU2426-009	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-01WS-06-0804	WU2426-010	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01WS-06-0804	WU2426-010	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-01WS-24-0804	WU2426-012	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-14C-12-0804	WU2426-020	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02ES-06-0804	WU2426-001	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-14C-12-0804	WU2426-020	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02C-06-0804	WU2426-004	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02C-06-0804	WU2426-004	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02C-12-0804	WU2426-005	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02C-12-0804	WU2426-005	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02C-24-0804	WU2426-006	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02C-24-0804	WU2426-006	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02ES-06-0804	WU2426-001	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01WS-12-0804	WU2426-011	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
TS	%	C03V-02ES-06-0804	WU2426-1	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01C-06-0804	WU2426-7	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-13C-12-0804	WU2426-17	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-13C-06-0804	WU2426-16	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-09C-24-0804	WU2426-15	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-09C-12-0804	WU2426-14	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-09C-06-0804	WU2426-13	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-02ES-24-0804	WU2426-3	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-13C-24-0804	WU2426-18	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	C03V-14C-12-0804	WU2426-20	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-14C-06-0804	WU2426-19	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-02C-24-0804	WU2426-6	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-02C-12-0804	WU2426-5	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-02C-06-0804	WU2426-4	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01WS-24-0804	WU2426-12	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01WS-12-0804	WU2426-11	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01WS-06-0804	WU2426-10	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01C-24-0804	WU2426-9	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01C-12-0804	WU2426-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-02ES-12-0804	WU2426-2	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-02ES-12-0804	WU2426-2	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-01C-12-0804	WU2426-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-01C-24-0804	WU2426-9	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-01WS-06-0804	WU2426-10	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-01WS-12-0804	WU2426-11	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-01WS-24-0804	WU2426-12	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-02C-06-0804	WU2426-4	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-02C-12-0804	WU2426-5	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-02C-24-0804	WU2426-6	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-14C-12-0804	WU2426-20	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-02ES-06-0804	WU2426-1	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-02ES-24-0804	WU2426-3	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-09C-06-0804	WU2426-13	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-09C-12-0804	WU2426-14	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-09C-24-0804	WU2426-15	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-13C-06-0804	WU2426-16RA	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-13C-12-0804	WU2426-17	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-13C-24-0804	WU2426-18	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-14C-06-0804	WU2426-19	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-01C-06-0804	WU2426-7RA	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-02ES-06-0804	WU2426-1	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-02ES-12-0804	WU2426-2	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-01C-06-0804	WU2426-7RA	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-01C-12-0804	WU2426-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-01C-24-0804	WU2426-9	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-01WS-06-0804	WU2426-10	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-01WS-12-0804	WU2426-11	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-01WS-24-0804	WU2426-12	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-02C-06-0804	WU2426-4	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-02ES-24-0804	WU2426-3	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-02C-24-0804	WU2426-6	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-14C-12-0804	WU2426-20	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-09C-06-0804	WU2426-13	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-09C-12-0804	WU2426-14	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-09C-24-0804	WU2426-15	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-13C-06-0804	WU2426-16RA	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-13C-12-0804	WU2426-17	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-13C-24-0804	WU2426-18	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-14C-06-0804	WU2426-19	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-02C-12-0804	WU2426-5	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST; SDG: CTO351-6
WU2426
TASK ORDER MANAGER: CHARLES BRYAN

Sample Receipt

The following samples were received on August 10, 2004 and were logged in under Katahdin Analytical Services work order number WU2426 for a hardcopy due date of September 5, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2426-1	C03V-02ES-06-0804
WU2426-2	C03V-02ES-12-0804
WU2426-3	C03V-02ES-24-0804
WU2426-4	C03V-02C-06-0804
WU2426-5	C03V-02C-12-0804
WU2426-6	C03V-02C-24-0804
WU2426-7	C03V-01C-06-0804
WU2426-8	C03V-01C-12-0804
WU2426-9	C03V-01C-24-0804
WU2426-10	C03V-01WS-06-0804
WU2426-11	C03V-01WS-12-0804
WU2426-12	C03V-01WS-24-0804
WU2426-13	C03V-09C-06-0804
WU2426-14	C03V-09C-12-0804
WU2426-15	C03V-09C-24-0804
WU2426-16	C03V-13C-06-0804
WU2426-17	C03V-13C-12-0804
WU2426-18	C03V-13C-24-0804
WU2426-19	C03V-14C-06-0804
WU2426-20	C03V-14C-12-0804

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

The samples of SDG CTO351-6 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

Sample WU2426-18 had a high recovery for the extraction surrogate DCB on channel B, which was outside of the laboratory established acceptance limits. Since the recovery for DCB was within the acceptance limits on channel A and TCX on both channels, the sample was not reanalyzed.

Samples WU2426-2 and 5, had low recoveries for the extraction surrogate DCB, which were outside of the laboratory established acceptance limits. Since the recoveries for other surrogate, TCX, were within the acceptance limits, the samples were not reanalyzed.

Samples WU2426-8 and 16RA had high recoveries for the extraction surrogate TCX on channel B, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX were within the acceptance limits on channel A and DCB on both channels, the samples were not reanalyzed.

Sample WU2426-14 and the matrix spike sample, WG9122-3, had low recoveries for the extraction surrogate DCB on channel A, which were outside of the laboratory established acceptance limits. Since the recoveries for DCB were within the acceptance limits on channel B and TCX on both channels, the samples were not reanalyzed.

The calibration verification standards (CV) (files 6UH2147, 6UH2166, 6UH2177 and 6UH2195) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The CVs (files 6UH1180 and 6UH1198) had low responses for Aroclor 1254 on channel A, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel B were acceptable, the associated samples were not reanalyzed.

The laboratory control sample WG9127-2 had a high recovery for the spiked analyte Aroclor 1260, which was outside of the laboratory established acceptance limits. Since the laboratory control spike duplicate, WG9127-3, had an acceptable recovery, the associated samples were not reanalyzed.

The matrix spike sample, WG9122-3 had a low recovery for the spiked analyte Aroclor 1260, which was outside of the laboratory established acceptance limits. Since the matrix spike duplicate, WG9122-4, had an acceptable recovery, the associated samples were not reanalyzed.

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

Metals Analysis

The samples of Katahdin SDG CTO351-6 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Aqueous Waste", SW-846, November 1986, Third Edition.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Soil-matrix Katahdin Sample Nos. WU2426-(1-20) were digested for ICP analysis on 08/10/04 (QC Batch UH10ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2426-15 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.1155 mg/L, corresponding to a dry-weight concentration of 11.55 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of SDG CTO351-6 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2426-(1-20) were digested for mercury analysis on 08/10/04 (QC Batch UH10HGS0) in accordance with USEPA Method 7471A. Katahdin Sample No. WU2426-15 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin SDG CTO351-6 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for lead (138.1%) and mercury (151.0%) in the matrix-spike aliquot of Katahdin Sample No. WU2426-15 are outside the laboratory's acceptance limits. The recoveries for lead (38.5%) and mercury (131.9%) in the matrix-spike duplicate aliquot of Katahdin Sample No. WU2426-15 are outside the laboratory's acceptance limits. The recoveries for all other elements in these matrix-spiked aliquots 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).

The matrix-spike duplicate analysis of Katahdin Sample No. WU2426-15 for lead (64.5% RPD) exceeds the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample No. WU2426-15 is within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) all analytes.

Wet Chemistry Analysis

The samples of SDG CTO351-6 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

María Crouch
08.24.04
María Crouch
Quality Assurance Officer

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # LM 2426

PAGE: 1 OF 1

COOLER: 1 OF 1

CLIENT: Tetra Tech

COC#
SDG#
DATE / TIME RECEIVED: 8/10/04 0836
DELIVERED BY: FedEx
RECEIVED BY: DC
LIMS ENTRY BY: DC
LIMS REVIEW BY / PM: TLC

PROJECT:

	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)=	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT Y or N?	☒	☐	☐	COOLER TEMP (°C)= 3.3 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 NEESC ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1): * 2 sample containers marked "C03U-02C-12-0804" with time of 15:35. Covers marked "...02C-12..." and "...02C-24..." assumed cover labels were correct. TLC 8/10/04

(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.

000006

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
T&NUS	CHUCK	(305) 360-1548	(803) 642-8454

Address: ~~186 ROLLING RD~~ 900 TRAIL RIDGE RD City: AIKEN State: SC Zip Code: 29803

Purchase Order #: Proj. Name / No.: N0693 Katahdin Quote #:

Bill (if different than above): Address:

Sampler (Print / Sign): CHUCK BRYAN / [signature] Copies To:

LAB USE ONLY WORK ORDER #: WU2426

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	~~TAL Metals~~ ~~TCL PCB 1x 8oz~~	TAL Metals, TCL PCB 1x 8oz jar / NA								
	C03V-02ES-06-0804	9Aug04/1530	SO	1										
	C03V-02ES-12-0804	9Aug04/~~1535~~ 1530	SO	1										
	C03V-02ES-24-0804	9Aug04/~~1542~~ 1530	SO	1										
	C03V-02C-06-0804	9-8-04/1535												
	C03V-02C-12-0804	9-8-04/1535												
	C03V-02C-24-0804	9-8-04/1535												
	C03V-01C-06-0804	9-8-04/1542												
	C03V-01C-12-0804	9-8-04/1542												
	C03V-01C-24-0804	/1542												
	C03V-01WS-06-0804	/1552												
	C03V-01WS-12-0804	/1552												
	C03V-01WS-24-0804	/1552												
	C03V-09C-06-0804	/1600												
	C03V-09C-12-0804	/1600												
	C03V-09C-24-0804	/1600												
	C03V-13C-06-0804	/1608												

COMMENTS

24-HR TAT ON ALL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	8-9-04/1728	[signature] 8/10/04 0836			
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

Client: T & NUS
Contact: CHUCK BRYAN
Phone #: (305) 360-1548
Fax #: (803) 642-8454
Address: 900 TRAILRIDGE RD
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): CHUCK BRYAN / [signature]
Copies To:

LAB USE ONLY
WORK ORDER #: WU2424, WU2427
KATAHDIN PROJECT NUMBER:
REMARKS:
SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL METALS	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-13C-12-0804	9-8-04/1608	SOIL	1										
	C03V-13C-24-0804	9-8-04/1608												
	C03V-14C-06-0804	/1615												
	C03V-14C-12-0804	/1615												
	C03V-14C-24-0804	/1615												
	C03V-15EN-06-0804	/1630												
	C03V-15EN-12-0804	/1630												
	C03V-15EN-24-0804	/1630												
	C03V-15C-06-0804	/1623												
	C03V-15C-12-0804	/1623												
	C03V 15C-24-0804	/1623												
	C03V-16SW-06-0804	/1640												
	C03V-16SW-12-0804	/1641												
	C03V-16SW-24-0804	/1642												
	C03V-10F-48-0804	/1645												
	C03V-9C-0804MS	/1700												

COMMENTS
24-HR TAT ON ALL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	8-9-04 1728	[signature] Fri 8/10/04 0834			
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

Client: T+NUS
Contact: CHUCK BRYAN
Phone #: (305)360-1548
Fax #: (803)642-8454
Address: 900 TRAIL RIDGE RD.
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): CHUCK BRYAN
Copies To:

LAB USE ONLY
WORK ORDER #: ~~WU2427~~ WU 8/10
KATAHDIN PROJECT NUMBER: WU2427

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 TAL METAL	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-9C-0804MSD	8-9-04/1700	SOIL	1	✓	✓								
		/												
		/												
		/												
		/												
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		/												
		/												

COMMENTS

24-TAT ON ALL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	8-9-04 1728	8/10/04 0836			
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

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG9122-BLANK	WG9122-1	86	86	68	73			0
02	WG9122-LCS	WG9122-2	83	86	72	77			0
03	C03V-02ES-06-0804	WU2426-1	70	74	62	68			0
04	C03V-02C-06-0804	WU2426-4	68	64	64	71			0
05	WG9127-LCSD	WG9127-3	76	78	87	95			0
06	C03V-14C-06-0804	WU2426-19	95	100	92	101			0
07	C03V-14C-12-0804	WU2426-20	84	90	91	99			0
08	WG9127-BLANK	WG9127-1	87	94	91	101			0
09	WG9127-LCS	WG9127-2	94	103	95	107			0
10	C03V-13C-12-0804	WU2426-17	82	88	92	101			0
11	C03V-13C-24-0804	WU2426-18	85	90	100	111*			1
12	C03V-02ES-12-0804	WU2426-2	52	58	47*	52*			2
13	C03V-02ES-24-0804	WU2426-3	83	91	71	79			0
14	C03V-02C-12-0804	WU2426-5	56	62	50*	55*			2
15	C03V-02C-24-0804	WU2426-6	68	76	57	63			0
16	C03V-01C-12-0804	WU2426-8	100	111*	79	89			1
17	C03V-01C-24-0804	WU2426-9	92	102	81	89			0
18	C03V-01WS-06-0804	WU2426-10	72	80	65	74			0
19	C03V-01WS-12-0804	WU2426-11	86	91	73	81			0
20	C03V-01WS-24-0804	WU2426-12	69	76	60	67			0
21	C03V-09C-06-0804	WU2426-13	88	99	78	89			0
22	C03V-09C-12-0804	WU2426-14	59	68	54*	62			1
23	C03V-09C-24-0804	WU2426-15	86	97	75	86			0
24	C03V-09C-24-0804MS	WG9122-3	58	66	52*	60			1
25	C03V-09C-24-0804MSD	WG9122-4	76	86	67	77			0
26	C03V-01C-06-0804	WU2426-7RA	78	89	72	80			0
27	C03V-13C-06-0804	WU2426-16RA	91	104*	91	100			1
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG9122-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Lab Sample ID: WG9122-1 Lab File ID: 6UH1127

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW846 3545

Sulfur Cleanup: (Y/N) N Date Extracted: 08/10/04

Date Analyzed (1): 08/10/04 Date Analyzed (2): 08/10/04

Time Analyzed (1): 1443 Time Analyzed (2): 1443

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): RTX-5 ID: 0.53(mm) GC Column (2): RTX-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG9122-LCS	WG9122-2	6UH1128	08/10/04	08/10/04
02	C03V-02ES-06-0804	WU2426-1	6UH1129	08/10/04	08/10/04
03	C03V-02C-06-0804	WU2426-4	6UH1130	08/10/04	08/10/04
04	C03V-02ES-12-0804	WU2426-2	6UH1152	08/11/04	08/11/04
05	C03V-02ES-24-0804	WU2426-3	6UH1153	08/11/04	08/11/04
06	C03V-02C-12-0804	WU2426-5	6UH1154	08/11/04	08/11/04
07	C03V-02C-24-0804	WU2426-6	6UH1155	08/11/04	08/11/04
08	C03V-01C-12-0804	WU2426-8	6UH1157	08/11/04	08/11/04
09	C03V-01C-24-0804	WU2426-9	6UH1158	08/11/04	08/11/04
10	C03V-01WS-06-0804	WU2426-10	6UH1159	08/11/04	08/11/04
11	C03V-01WS-12-0804	WU2426-11	6UH1168	08/11/04	08/11/04
12	C03V-01WS-24-0804	WU2426-12	6UH1169	08/11/04	08/11/04
13	C03V-09C-06-0804	WU2426-13	6UH1170	08/11/04	08/11/04
14	C03V-09C-12-0804	WU2426-14	6UH1171	08/11/04	08/11/04
15	C03V-09C-24-0804	WU2426-15	6UH1172	08/11/04	08/11/04
16	C03V-09C-24-0804MS	WG9122-3	6UH1173	08/11/04	08/11/04
17	C03V-09C-24-0804MSD	WG9122-4	6UH1174	08/11/04	08/11/04
18	C03V-01C-06-0804	WU2426-7RA	6UH1193	08/11/04	08/11/04
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG9127-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Lab Sample ID: WG9127-1 Lab File ID: 6UH1137

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW846 3550

Sulfur Cleanup: (Y/N) N Date Extracted: 08/10/04

Date Analyzed (1): 08/10/04 Date Analyzed (2): 08/10/04

Time Analyzed (1): 1933 Time Analyzed (2): 1933

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): RTX-5 ID: 0.53(mm) GC Column (2): RTX-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG9127-LCSD	WG9127-3	6UH1131	08/10/04	08/10/04
02	C03V-14C-06-0804	WU2426-19	6UH1133	08/10/04	08/10/04
03	C03V-14C-12-0804	WU2426-20	6UH1134	08/10/04	08/10/04
04	WG9127-LCS	WG9127-2	6UH1138	08/10/04	08/10/04
05	C03V-13C-12-0804	WU2426-17	6UH1139	08/10/04	08/10/04
06	C03V-13C-24-0804	WU2426-18	6UH1140	08/10/04	08/10/04
07	C03V-13C-06-0804	WU2426-16RA	6UH1194	08/11/04	08/11/04
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 351 NAS Key West
PO No:
Sample Date:
Received Date:
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 100

Lab ID: WG9122-1
Client ID: WG9122-Blank
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9122
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	10
11104-28-2	Aroclor-1221	U	17	1.0	17	17	8.2
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	8.2
11097-69-1	Aroclor-1254	U	17	1.0	17	17	4.7
11096-82-5	Aroclor-1260	U	17	1.0	17	17	8.6
877-09-8	Tetrachloro-m-xylene		86%				
2051-24-3	Decachlorobiphenyl		73%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 351 NAS Key West
PO No:
Sample Date:
Received Date:
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 100

Lab ID: WG9127-1
Client ID: WG9127-Blank
SDG: CTO351-6
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	10
11104-28-2	Aroclor-1221	U	17	1.0	17	17	8.2
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	8.2
11097-69-1	Aroclor-1254	U	17	1.0	17	17	4.7
11096-82-5	Aroclor-1260	U	17	1.0	17	17	8.6
877-09-8	Tetrachloro-m-xylene		94%				
2051-24-3	Decachlorobiphenyl		101%				

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.13 DCB: 20.57

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	7.14	20.58
02	ICAL	AR1660 0.05P	01/30/04	1712	7.13	20.58
03	ICAL	AR1660 0.10P	01/30/04	1741	7.14	20.58
04	ICAL	AR1660 0.25P	01/30/04	1809	7.13	20.58
05	ICAL	AR1660 2.5PP	01/30/04	1838	7.13	20.57
06	ICAL	AR1660 10PPM	01/30/04	1906	7.13	20.57
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1248 1.0PP	01/30/04	2322		
11	ICAL	AR1254 1.0PP	01/31/04	0212		
12	ICAL	AR1254 0.05P	01/31/04	0241		
13	ICAL	AR1254 0.10P	01/31/04	0309		
14	ICAL	AR1254 0.25P	01/31/04	0338		
15	ICAL	AR1254 2.5PP	01/31/04	0406		
16	ICAL	AR1254 10PPM	01/31/04	0434		
17	ICAL	AR1221 1.0PP	01/31/04	0503		
18	ICAL	AR1232 1.0PP	01/31/04	0531		
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:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.92 DCB: 20.30

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/10/04	1122	6.92	20.31
02	WG9122-BLANK	WG9122-1	08/10/04	1443	6.93	20.31
03	WG9122-LCS	WG9122-2	08/10/04	1512	6.92	20.31
04	C03V-02ES-06	WU2426-1	08/10/04	1540	6.92	20.30
05	C03V-02C-06-	WU2426-4	08/10/04	1609	6.92	20.30
06	WG9127-LCSD	WG9127-3	08/10/04	1642	6.92	20.30
07	C03V-14C-06-	WU2426-19	08/10/04	1739	6.92	20.30
08	C03V-14C-12-	WU2426-20	08/10/04	1807	6.92	20.30
09	WG9127-BLANK	WG9127-1	08/10/04	1933	6.92	20.30
10	WG9127-LCS	WG9127-2	08/10/04	2001	6.92	20.31
11	C03V-13C-12-	WU2426-17	08/10/04	2030	6.92	20.30
12	C03V-13C-24-	WU2426-18	08/10/04	2058	6.92	20.30
13	CV	AR1660 1.0PP	08/11/04	0017	6.92	20.31
14	C03V-02ES-12	WU2426-2	08/11/04	0239	6.92	20.30
15	C03V-02ES-24	WU2426-3	08/11/04	0308	6.92	20.30
16	C03V-02C-12-	WU2426-5	08/11/04	0336	6.92	20.30
17	C03V-02C-24-	WU2426-6	08/11/04	0404	6.92	20.30
18	C03V-01C-12-	WU2426-8	08/11/04	0501	6.92	20.30
19	C03V-01C-24-	WU2426-9	08/11/04	0530	6.92	20.30
20	C03V-01WS-06	WU2426-10	08/11/04	0558	6.92	20.31

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.92 DCB: 20.30

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/11/04	0917	6.92	20.30
02	C03V-01WS-12	WU2426-11	08/11/04	1043	6.93	20.31
03	C03V-01WS-24	WU2426-12	08/11/04	1111	6.92	20.30
04	C03V-09C-06-	WU2426-13	08/11/04	1140	6.92	20.30
05	C03V-09C-12-	WU2426-14	08/11/04	1208	6.92	20.30
06	C03V-09C-24-	WU2426-15	08/11/04	1237	6.91	20.30
07	C03V-09C-24-	WG9122-3	08/11/04	1306	6.91	20.30
08	C03V-09C-24-	WG9122-4	08/11/04	1334	6.91	20.30
09	CV	AR1660 1.0PP	08/11/04	1523	6.92	20.30
10	CV	AR1254 1.0PP	08/11/04	1649		
11	C03V-01C-06-	WU2426-7RA	08/11/04	2259	6.91	20.30
12	C03V-13C-06-	WU2426-16RA	08/11/04	2328	6.91	20.30
13	CV	AR1660 1.0PP	08/11/04	2357	6.92	20.30
14	CV	AR1254 1.0PP	08/12/04	0122		
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:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.97 DCB: 21.01

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	6.94	20.99
02	ICAL	AR1660 0.05P	01/30/04	1712	6.94	20.99
03	ICAL	AR1660 0.10P	01/30/04	1741	6.95	20.99
04	ICAL	AR1660 0.25P	01/30/04	1809	6.94	20.99
05	ICAL	AR1660 2.5PP	01/30/04	1838	6.94	20.99
06	ICAL	AR1660 10PPM	01/30/04	1906	6.94	20.99
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1248 1.0PP	01/30/04	2322		
11	ICAL	AR1254 1.0PP	01/31/04	0212		
12	ICAL	AR1254 0.05P	01/31/04	0241		
13	ICAL	AR1254 0.10P	01/31/04	0309		
14	ICAL	AR1254 0.25P	01/31/04	0338		
15	ICAL	AR1254 2.5PP	01/31/04	0406		
16	ICAL	AR1254 10PPM	01/31/04	0434		
17	ICAL	AR1221 1.0PP	01/31/04	0503		
18	ICAL	AR1232 1.0PP	01/31/04	0531		
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:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.72 DCB: 20.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/10/04	1122	6.73	20.71
02	WG9122-BLANK	WG9122-1	08/10/04	1443	6.73	20.71
03	WG9122-LCS	WG9122-2	08/10/04	1512	6.72	20.71
04	C03V-02ES-06	WU2426-1	08/10/04	1540	6.72	20.70
05	C03V-02C-06-	WU2426-4	08/10/04	1609	6.72	20.70
06	WG9127-LCSD	WG9127-3	08/10/04	1642	6.72	20.70
07	C03V-14C-06-	WU2426-19	08/10/04	1739	6.72	20.70
08	C03V-14C-12-	WU2426-20	08/10/04	1807	6.72	20.70
09	WG9127-BLANK	WG9127-1	08/10/04	1933	6.72	20.70
10	WG9127-LCS	WG9127-2	08/10/04	2001	6.72	20.70
11	C03V-13C-12-	WU2426-17	08/10/04	2030	6.72	20.70
12	C03V-13C-24-	WU2426-18	08/10/04	2058	6.72	20.70
13	CV	AR1660 1.0PP	08/11/04	0017	6.72	20.71
14	C03V-02ES-12	WU2426-2	08/11/04	0239	6.72	20.70
15	C03V-02ES-24	WU2426-3	08/11/04	0308	6.72	20.70
16	C03V-02C-12-	WU2426-5	08/11/04	0336	6.72	20.70
17	C03V-02C-24-	WU2426-6	08/11/04	0404	6.72	20.70
18	C03V-01C-12-	WU2426-8	08/11/04	0501	6.72	20.70
19	C03V-01C-24-	WU2426-9	08/11/04	0530	6.72	20.70
20	C03V-01WS-06	WU2426-10	08/11/04	0558	6.72	20.70

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.72 DCB: 20.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/11/04	0917	6.72	20.70
02	C03V-01WS-12	WU2426-11	08/11/04	1043	6.72	20.70
03	C03V-01WS-24	WU2426-12	08/11/04	1111	6.72	20.70
04	C03V-09C-06-	WU2426-13	08/11/04	1140	6.72	20.70
05	C03V-09C-12-	WU2426-14	08/11/04	1208	6.72	20.70
06	C03V-09C-24-	WU2426-15	08/11/04	1237	6.71	20.70
07	C03V-09C-24-	WG9122-3	08/11/04	1306	6.71	20.70
08	C03V-09C-24-	WG9122-4	08/11/04	1334	6.71	20.69
09	CV	AR1660 1.0PP	08/11/04	1523	6.71	20.70
10	CV	AR1254 1.0PP	08/11/04	1649		
11	C03V-01C-06-	WU2426-7RA	08/11/04	2259	6.71	20.70
12	C03V-13C-06-	WU2426-16RA	08/11/04	2328	6.71	20.69
13	CV	AR1660 1.0PP	08/11/04	2357	6.72	20.70
14	CV	AR1254 1.0PP	08/12/04	0122		
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 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-02E
S-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-1 Date(s) Analyzed: 08/10/04 08/10/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	183		
Aroclor-1260	2	16.26	16.18	16.32	168		
	3	16.84	16.77	16.91	211		
COLUMN 1	4	17.52	17.44	17.58	231		
	5	18.86	18.79	18.93	176	194	
	1	15.86	15.79	15.93	226		
	2	16.77	16.69	16.83	187		
	3	17.16	17.09	17.23	226		
COLUMN 2	4	18.12	18.05	18.19	230		
	5	19.26	19.18	19.32	194	213	8.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-02E
S-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-2 Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	45.7		
Aroclor-1260	2	16.26	16.18	16.32	46.2		
	3	16.84	16.77	16.91	49.8		
COLUMN 1	4	17.52	17.44	17.58	55.9		
	5	18.86	18.79	18.93	41.0	47.7	
	1	16.77	16.69	16.83	53.9		
	2	17.16	17.09	17.23	59.3		
	3	18.12	18.05	18.19	62.2		
COLUMN 2	4	19.26	19.18	19.32	52.8		
	5					57.1	16.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-02C
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-4 Date(s) Analyzed: 08/10/04 08/10/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	16.4		
Aroclor-1260	2	16.25	16.18	16.32	17.0		
	3	16.84	16.77	16.91	23.7		
COLUMN 1	4	17.51	17.44	17.58	28.3		
	5	18.88	18.79	18.93	41.3	25.3	
	1	16.77	16.69	16.83	20.4		
	2	17.16	17.09	17.23	26.5		
	3	18.12	18.05	18.19	27.4		
COLUMN 2	4	19.26	19.18	19.32	22.7		
	5					24.2	4.3
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-02C
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-6 Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	22.1		
Aroclor-1260	2	16.26	16.18	16.32	20.5		
	3	16.84	16.77	16.91	23.3		
COLUMN 1	4	17.52	17.44	17.58	25.6		
	5	18.86	18.79	18.93	17.3	21.8	
	1	15.86	15.79	15.93	37.8		
	2	16.77	16.69	16.83	26.5		
	3	17.16	17.09	17.23	29.6		
COLUMN 2	4	18.12	18.05	18.19	28.9		
	5	19.26	19.18	19.32	21.8	28.9	24.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-01C
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-7RA Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	12.77	12.70	12.84	119		
Aroclor-1254	2	13.41	13.34	13.48	135		
	3	13.64	13.57	13.71	135		
COLUMN 1	4	14.18	14.14	14.28	270		
	5	14.71	14.64	14.78	693	270	
	1	13.51	13.44	13.58	82.5		
	2	13.82	13.72	13.86	160		
	3	13.94	13.87	14.01	108		
COLUMN 2	4	14.20	14.13	14.27	156		
	5	14.62	14.51	14.65	315	164	39.2
	1	15.71	15.64	15.78	371		
Aroclor-1260	2	16.25	16.18	16.32	366		
	3	16.84	16.77	16.91	426		
COLUMN 1	4	17.51	17.44	17.58	478		
	5	18.85	18.79	18.93	402	409	
	1	15.85	15.79	15.93	547		
	2	16.76	16.69	16.83	423		
	3	17.15	17.08	17.22	480		
COLUMN 2	4	18.11	18.05	18.19	510		
	5	19.25	19.18	19.32	461	484	15.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-01W
S-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-10 Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	271		
Aroclor-1260	2	16.25	16.18	16.32	175		
	3	16.84	16.77	16.91	298		
COLUMN 1	4	17.51	17.44	17.58	363		
	5	18.85	18.79	18.93	284	278	
	1	15.86	15.79	15.93	167		
	2	16.76	16.69	16.83	219		
	3	17.16	17.09	17.23	326		
COLUMN 2	4	18.12	18.05	18.19	354		
	5	19.25	19.18	19.32	314	276	0.7
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-01W
S-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-11 Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	253		
Aroclor-1260	2	16.26	16.18	16.32	232		
	3	16.85	16.77	16.91	298		
COLUMN 1	4	17.52	17.44	17.58	322		
	5	18.86	18.79	18.93	268	275	
	1	15.86	15.79	15.93	295		
	2	16.77	16.69	16.83	261		
	3	17.16	17.09	17.23	326		
COLUMN 2	4	18.12	18.05	18.19	334		
	5	19.26	19.18	19.32	303	304	9.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-09C
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-13 Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	48.2		
Aroclor-1260	2	16.25	16.18	16.32	47.9		
	3	16.84	16.77	16.91	60.1		
COLUMN 1	4	17.52	17.44	17.58	69.4		
	5	18.86	18.79	18.93	56.8	56.5	
	1	15.86	15.79	15.93	71.7		
	2	16.76	16.69	16.83	58.7		
	3	17.16	17.09	17.23	72.6		
COLUMN 2	4	18.12	18.05	18.19	77.3		
	5	19.25	19.18	19.32	69.4	70.0	19.3
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-09C
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-14 Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	146		
Aroclor-1260	2	16.25	16.18	16.32	141		
	3	16.84	16.77	16.91	156		
COLUMN 1	4	17.51	17.44	17.58	164		
	5	18.86	18.79	18.93	129	147	
	1	15.86	15.79	15.93	179		
	2	16.76	16.69	16.83	161		
	3	17.15	17.09	17.23	184		
COLUMN 2	4	18.12	18.05	18.19	186		
	5	19.25	19.18	19.32	159	174	15.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-09C
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-15 Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	11.5		
Aroclor-1260	2	16.25	16.18	16.32	11.7		
	3	16.84	16.77	16.91	16.4		
COLUMN 1	4	17.51	17.44	17.58	20.7		
	5	18.86	18.79	18.93	15.1	15.1	
	1	15.86	15.79	15.93	19.4		
	2	16.76	16.69	16.83	14.8		
	3	17.15	17.09	17.23	22.2		
COLUMN 2	4	18.12	18.05	18.19	23.1		
	5	19.25	19.18	19.32	20.0	19.9	24.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-13C
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-16RA Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	12.77	12.70	12.84	65.3		
Aroclor-1254	2	13.41	13.34	13.48	187		
	3	13.64	13.57	13.71	161		
COLUMN 1	4	14.18	14.14	14.28	456		
	5					217	
	1	13.52	13.44	13.58	34.7		
	2	13.84	13.72	13.86	418		
	3	13.94	13.87	14.01	68.0		
COLUMN 2	4	14.21	14.13	14.27	185		
	5	14.62	14.51	14.65	536	248	12.5
	1	15.71	15.64	15.78	1140		
Aroclor-1260	2	16.25	16.18	16.32	1110		
	3	16.83	16.77	16.91	1650		
COLUMN 1	4	17.51	17.44	17.58	1910		
	5	18.85	18.79	18.93	1680	1500	
	1	15.85	15.79	15.93	1490		
	2	16.76	16.69	16.83	1310		
	3	17.15	17.08	17.22	1780		
COLUMN 2	4	18.12	18.05	18.19	1850		
	5	19.24	19.18	19.32	1820	1650	9.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-13C
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-17 Date(s) Analyzed: 08/10/04 08/10/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	32.9		
Aroclor-1260	2	16.26	16.18	16.32	32.4		
	3	16.84	16.77	16.91	50.9		
COLUMN 1	4	17.52	17.44	17.58	59.8		
	5	18.86	18.79	18.93	51.1	45.4	
	1	15.86	15.79	15.93	49.3		
	2	16.77	16.69	16.83	42.7		
	3	17.16	17.09	17.23	58.6		
COLUMN 2	4	18.13	18.05	18.19	61.6		
	5	19.26	19.18	19.32	61.8	54.8	17.2
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-13C
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-18 Date(s) Analyzed: 08/10/04 08/10/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	3.26		
Aroclor-1260	2	16.26	16.18	16.32	4.84		
	3	16.85	16.77	16.91	11.9		
COLUMN 1	4	17.52	17.44	17.58	13.7		
	5	18.85	18.79	18.93	33.1	13.4	
	1	15.86	15.79	15.93	11.2		
	2	16.77	16.69	16.83	7.60		
	3	17.16	17.09	17.23	13.2		
COLUMN 2	4	18.12	18.05	18.19	28.4		
	5	19.27	19.18	19.32	44.0	20.9	35.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-14C
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-19 Date(s) Analyzed: 08/10/04 08/10/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	488		
Aroclor-1260	2	16.25	16.18	16.32	483		
	3	16.84	16.77	16.91	601		
COLUMN 1	4	17.51	17.44	17.58	681		
	5	18.86	18.79	18.93	567	564	
	1	15.86	15.79	15.93	585		
	2	16.76	16.69	16.83	525		
	3	17.16	17.09	17.23	638		
COLUMN 2	4	18.12	18.05	18.19	673		
	5	19.26	19.18	19.32	625	609	7.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-14C
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-6

Lab Sample ID: WU2426-20 Date(s) Analyzed: 08/10/04 08/10/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	48.7		
Aroclor-1260	2	16.26	16.18	16.32	47.8		
	3	16.84	16.77	16.91	69.0		
COLUMN 1	4	17.52	17.44	17.58	77.2		
	5	18.86	18.79	18.93	68.7	62.3	
	1	15.86	15.79	15.93	58.6		
	2	16.76	16.69	16.83	55.5		
	3	17.16	17.09	17.23	75.8		
COLUMN 2	4	18.12	18.05	18.19	82.8		
	5	19.26	19.18	19.32	80.9	70.7	11.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date(s): 01/30/04 01/31/04

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 1644 0531

LAB FILE ID: RF0.05: 6UA3224 RF0.1: 6UA3225 RF0.25: 6UA3226
RF1: 6UA3230 RF2.5: 6UA3227 RF10: 6UA3228

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	1488	2933	6476	20911	50122	158460	2ORDR	-1.73e-002	4.457e-005	1.177e-010	0.99997	0.99000	
(2)	3590	6920	14786	46465	109540	348280	2ORDR	-2.69e-002	2.051e-005	2.378e-011	0.99997	0.99000	
(3)	1964	3840	8329	25896	62739	200740	2ORDR	-2.21e-002	3.61e-005	6.886e-011	0.99995	0.99000	
(4)	1156	2312	5145	17041	42764	141500	2ORDR	-9.54e-003	5.418e-005	1.17e-010	0.99995	0.99000	
(5)	1309	2506	5287	16906	37281	116290	2ORDR	-3.67e-002	5.865e-005	2.38e-010	0.99996	0.99000	
Aroclor-1221				4615			2ORDR	0.00000000	2.167e-004	0.00000000	1.00000	0.99000	<
(2)				11045			2ORDR	0.00000000	9.054e-005	0.00000000	1.00000	0.99000	<
(3)				8096			2ORDR	0.00000000	1.235e-004	0.00000000	1.00000	0.99000	<
(4)				24183			2ORDR	0.00000000	4.135e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232				21056			2ORDR	0.00000000	4.749e-005	0.00000000	1.00000	0.99000	<
(2)				10320			2ORDR	0.00000000	9.69e-005	0.00000000	1.00000	0.99000	<
(3)				22658			2ORDR	0.00000000	4.413e-005	0.00000000	1.00000	0.99000	<
(4)				13099			2ORDR	0.00000000	7.634e-005	0.00000000	1.00000	0.99000	<
(5)				8385			2ORDR	0.00000000	1.193e-004	0.00000000	1.00000	0.99000	<
Aroclor-1242	1737	2717	6394	21036	44724	138490	2ORDR	-3.73e-002	4.805e-005	1.765e-010	0.99992	0.99000	
(2)	1399	2228	5421	18848	41471	129900	2ORDR	-2.36e-002	5.245e-005	1.904e-010	0.99997	0.99000	
(3)	3321	5186	12070	40698	90743	282900	2ORDR	-2.68e-002	2.403e-005	4.036e-011	0.99998	0.99000	
(4)	1840	2866	6834	23329	51926	163250	2ORDR	-2.55e-002	4.221e-005	1.177e-010	0.99998	0.99000	
(5)	1095	1686	4159	15059	35050	114690	2ORDR	-1.35e-002	6.467e-005	1.974e-010	1.00000	0.99000	
Aroclor-1248	1802	3282	7704	25659	55832	185500	2ORDR	-3.7e-002	4.076e-005	7.204e-011	0.99991	0.99000	
(2)	1507	2800	6736	23406	52033	178150	2ORDR	-2.92e-002	4.458e-005	6.582e-011	0.99994	0.99000	
(3)	2130	3885	8984	30135	65638	221970	2ORDR	-3.86e-002	3.508e-005	4.574e-011	0.99990	0.99000	
(4)	2285	4098	9538	32533	70944	240900	2ORDR	-3.67e-002	3.252e-005	3.801e-011	0.99991	0.99000	
(5)	1553	2920	7030	25178	56948	198880	2ORDR	-2.4e-002	4.124e-005	4.61e-011	0.99995	0.99000	
Aroclor-1254	3073	5810	13983	41152	97891	303840	2ORDR	-2.36e-002	2.251e-005	3.448e-011	0.99994	0.99000	
(2)	1592	3133	8127	25632	63816	204560	2ORDR	-6.21e-003	3.54e-005	6.606e-011	0.99994	0.99000	
(3)	3031	5795	14674	45296	111430	353080	2ORDR	-1.11e-002	2.011e-005	2.334e-011	0.99994	0.99000	
(4)	2625	5000	12615	38453	94434	297880	2ORDR	-1.25e-002	2.366e-005	3.34e-011	0.99994	0.99000	
(5)	1329	2603	6673	19864	47648	147970	2ORDR	-1.68e-002	4.616e-005	1.455e-010	0.99994	0.99000	
Aroclor-1260	1756	3478	7533	24884	57806	193210	2ORDR	-2.84e-002	4.004e-005	6.143e-011	0.99998	0.99000	
(2)	1632	3251	7165	24706	58761	200890	2ORDR	-1.98e-002	3.994e-005	4.948e-011	0.99999	0.99000	
(3)	3703	7308	15981	55751	132930	463160	2ORDR	-2.03e-002	1.785e-005	8.179e-012	0.99999	0.99000	
(4)	1802	3648	8288	29428	71213	247380	2ORDR	-1.29e-002	3.323e-005	2.929e-011	0.99999	0.99000	
(5)	940	1996	4608	16501	39296	135760	2ORDR	-1.32e-002	5.983e-005	1.026e-010	0.99999	0.99000	
Tetrachloro-m-xylene	1046	2133	4944	19038	47892	163420	2ORDR	1.061e-004	9.772e-007	1.504e-012	0.99998	0.99000	
Decachlorobiphenyl	998	2047	4723	16129	36702	118840	2ORDR	-4.25e-004	1.224e-006	3.893e-012	0.99998	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date(s): 01/30/04 01/31/04

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 1644 0531

LAB FILE ID: RF0.05: 6UA4224 RF0.1: 6UA4225 RF0.25: 6UA4226
RF1: 6UA4230 RF2.5: 6UA4227 RF10: 6UA4228

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	3610	6995	14898	47378	104100	317680	2ORDR	-3.42e-002	2.057e-005	3.47e-011	0.99996	0.99000	
(2)	1582	3229	7115	24299	53242	166260	2ORDR	-2.64e-002	4.076e-005	1.176e-010	0.99996	0.99000	
(3)	5804	11157	23571	77152	172980	549660	2ORDR	-3.28e-002	1.285e-005	9.826e-012	0.99997	0.99000	
(4)	2561	5042	10881	36551	79398	250640	2ORDR	-3.33e-002	2.761e-005	4.961e-011	0.99994	0.99000	
(5)	1830	3694	8189	29026	64714	210850	2ORDR	-2.39e-002	3.472e-005	6.083e-011	0.99997	0.99000	
Aroclor-1221				18117			2ORDR	0.00000000	5.52e-005	0.00000000	1.00000	0.99000	<
(2)				12525			2ORDR	0.00000000	7.984e-005	0.00000000	1.00000	0.99000	<
(3)				35803			2ORDR	0.00000000	2.793e-005	0.00000000	1.00000	0.99000	<
(4)				9964			2ORDR	0.00000000	1.004e-004	0.00000000	1.00000	0.99000	<
Aroclor-1232				32462			2ORDR	0.00000000	3.081e-005	0.00000000	1.00000	0.99000	<
(2)				24871			2ORDR	0.00000000	4.021e-005	0.00000000	1.00000	0.99000	<
(3)				11524			2ORDR	0.00000000	8.678e-005	0.00000000	1.00000	0.99000	<
(4)				17040			2ORDR	0.00000000	5.869e-005	0.00000000	1.00000	0.99000	<
(5)				10301			2ORDR	0.00000000	9.708e-005	0.00000000	1.00000	0.99000	<
Aroclor-1242	3493	5404	12566	40712	88205	263660	2ORDR	-3.13e-002	2.368e-005	5.452e-011	0.99997	0.99000	
(2)	5329	8512	19813	64936	144840	450280	2ORDR	-2.92e-002	1.504e-005	1.607e-011	0.99998	0.99000	
(3)	2338	3791	9090	30157	66750	205080	2ORDR	-2.57e-002	3.217e-005	8.153e-011	0.99998	0.99000	
(4)	1588	2584	6263	20362	44309	133910	2ORDR	-2.83e-002	4.757e-005	2.041e-010	0.99997	0.99000	
(5)	2240	3634	8812	29622	65876	207230	2ORDR	-2.58e-002	3.327e-005	7.292e-011	0.99997	0.99000	
Aroclor-1248	2917	5411	12400	40574	87498	287290	2ORDR	-4.06e-002	2.579e-005	3.19e-011	0.99990	0.99000	
(2)	1737	3206	7567	25496	55554	181200	2ORDR	-3.27e-002	4.039e-005	8.27e-011	0.99993	0.99000	
(3)	3533	6470	14944	49708	108240	362410	2ORDR	-3.86e-002	2.115e-005	1.81e-011	0.99991	0.99000	
(4)	2850	5218	12144	40487	88480	295580	2ORDR	-3.7e-002	2.584e-005	2.749e-011	0.99992	0.99000	
(5)	2389	4425	10627	37001	82579	282820	2ORDR	-2.84e-002	2.812e-005	2.599e-011	0.99994	0.99000	
Aroclor-1254	1187	2287	5849	17543	41144	122750	2ORDR	-1.52e-002	5.129e-005	2.468e-010	0.99995	0.99000	
(2)	1382	2656	6720	20097	47304	141510	2ORDR	-1.58e-002	4.479e-005	1.836e-010	0.99995	0.99000	
(3)	2460	4693	11925	36509	90031	278210	2ORDR	-8.25e-003	2.439e-005	4.163e-011	0.99992	0.99000	
(4)	4771	8917	22286	67324	164730	516180	2ORDR	-1.43e-002	1.35e-005	1.143e-011	0.99993	0.99000	
(5)	3592	6828	17008	50941	123010	384390	2ORDR	-1.75e-002	1.801e-005	2.094e-011	0.99994	0.99000	
Aroclor-1260	3679	7204	15597	52127	124000	412290	2ORDR	-2.19e-002	1.865e-005	1.372e-011	0.99998	0.99000	
(2)	2832	5573	12168	40674	95807	317640	2ORDR	-2.3e-002	2.405e-005	2.362e-011	0.99998	0.99000	
(3)	5897	11469	24827	84341	202420	703050	2ORDR	-2.25e-002	1.173e-005	3.589e-012	0.99998	0.99000	
(4)	3310	6581	14544	49802	118380	401510	2ORDR	-1.99e-002	1.973e-005	1.301e-011	0.99999	0.99000	
(5)	1497	3024	6912	23843	56334	189580	2ORDR	-1.76e-002	4.116e-005	6.161e-011	0.99999	0.99000	
Tetrachloro-m-xylene	2649	4261	10472	35795	85539	280350	2ORDR	-2.83e-004	5.341e-007	6.431e-013	0.99999	0.99000	
Decachlorobiphenyl	1373	2834	6390	21448	48833	153540	2ORDR	-4.12e-004	9.004e-007	2.637e-012	0.99998	0.99000	

FORM VI SV

Report Date: 17-Mar-2004 14:42

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06UC16A1.b\PCBA024B.M
Start Cal Date: 30-JAN-2004 16:44
End Cal Date : 20-FEB-2004 21:29
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
20-FEB-2004 19:35	AR1232	6UB3035.d
20-FEB-2004 16:45	AR1221	6UB3029.d
31-JAN-2004 02:41	ar1254	6UA3224.d
30-JAN-2004 23:50	AR1248	6UA3218.d
30-JAN-2004 21:00	AR1242	6UA3212.d
30-JAN-2004 17:12	AR1660	6UA3204.d
Cal Level: 2 , Cal Amount: 0.10000		
20-FEB-2004 20:03	AR1232	6UB3036.d
31-JAN-2004 03:09	ar1254	6UA3225.d
31-JAN-2004 00:19	AR1248	6UA3219.d
30-JAN-2004 21:28	AR1242	6UA3213.d
30-JAN-2004 17:41	AR1660	6UA3205.d
Cal Level: 3 , Cal Amount: 0.25000		
20-FEB-2004 20:32	AR1232	6UB3037.d
20-FEB-2004 17:41	AR1221	6UB3031.d
31-JAN-2004 03:38	ar1254	6UA3226.d
31-JAN-2004 00:47	AR1248	6UA3220.d
30-JAN-2004 21:57	AR1242	6UA3214.d
30-JAN-2004 18:09	AR1660	6UA3206.d
Cal Level: 4 , Cal Amount: 1.00000		
20-FEB-2004 19:06	AR1232	6UB3034.d
20-FEB-2004 16:16	AR1221	6UB3028.d
31-JAN-2004 02:12	ar1254	6UA3223.d
30-JAN-2004 23:22	AR1248	6UA3217.d
30-JAN-2004 20:32	AR1242	6UA3211.d
30-JAN-2004 16:44	AR1660	6UA3203.d
Cal Level: 5 , Cal Amount: 2.50000		
20-FEB-2004 21:00	AR1232	6UB3038.d
20-FEB-2004 18:10	AR1221	6UB3032.d
31-JAN-2004 04:06	ar1254	6UA3227.d
31-JAN-2004 01:16	AR1248	6UA3221.d
30-JAN-2004 22:25	AR1242	6UA3215.d

30-JAN-2004 18:38	AR1660	6UA3207.d

Cal Level: 6 , Cal Amount: 10.00000

20-FEB-2004 21:29	AR1232	6UB3039.d
20-FEB-2004 18:38	AR1221	6UB3033.d
31-JAN-2004 04:34	ar1254	6UA3228.d
31-JAN-2004 01:44	AR1248	6UA3222.d
30-JAN-2004 22:54	AR1242	6UA3216.d
30-JAN-2004 19:06	AR1660	6UA3208.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

17-MAR-2004 02:10	AR1254	6UC1125.d
17-MAR-2004 01:41	AR1248	6UC1124.d
17-MAR-2004 01:13	AR1242	6UC1123.d
17-MAR-2004 00:45	AR1660	6UC1122.d
16-MAR-2004 23:48	AR1254	6UC1120.d
16-MAR-2004 23:19	AR1248	6UC1119.d
16-MAR-2004 22:51	AR1242	6UC1118.d
16-MAR-2004 22:23	AR1660	6UC1117.d
17-MAR-2004 02:10	ar1660	6UC2125.d
17-MAR-2004 01:41	ar1660	6UC2124.d
17-MAR-2004 01:13	ar1660	6UC2123.d
17-MAR-2004 00:45	ar1660	6UC2122.d
16-MAR-2004 23:48	ar1660	6UC2120.d
16-MAR-2004 23:19	ar1660	6UC2119.d
16-MAR-2004 22:51	ar1660	6UC2118.d
16-MAR-2004 22:23	ar1660	6UC2117.d
16-MAR-2004 12:26	AR1254	6UC1096.d
16-MAR-2004 11:57	AR1248	6UC1095.d
16-MAR-2004 12:26	ar1660	6UC2096.d
16-MAR-2004 11:57	ar1660	6UC2095.d
16-MAR-2004 11:27	AR1242	6UC1094.d
16-MAR-2004 11:27	ar1660	6UC2094.d
16-MAR-2004 10:58	AR1660	6UC1093.d
16-MAR-2004 10:58	ar1660	6UC2093.d
16-MAR-2004 10:30	ar1660	6UC2092.d
16-MAR-2004 10:30	ar1660	6UC1092.d

Report Date: 17-Mar-2004 14:42

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06UC16B1.B\PCBB024B.M
Start Cal Date: 30-JAN-2004 16:44
End Cal Date : 20-FEB-2004 21:29
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
20-FEB-2004 19:35	AR1232	6UB4035.d
20-FEB-2004 16:45	AR1221	6UB4029.d
31-JAN-2004 02:41	AR1254	6UA4224.d
30-JAN-2004 23:50	AR1248	6UA4218.d
30-JAN-2004 21:00	AR1242	6UA4212.d
30-JAN-2004 17:12	AR1660	6UA4204.d
Cal Level: 2 , Cal Amount: 0.10000		
20-FEB-2004 20:03	AR1232	6UB4036.d
20-FEB-2004 17:13	AR1221	6UB4030.d
31-JAN-2004 03:09	AR1254	6UA4225.d
31-JAN-2004 00:19	AR1248	6UA4219.d
30-JAN-2004 21:28	AR1242	6UA4213.d
30-JAN-2004 17:41	AR1660	6UA4205.d
Cal Level: 3 , Cal Amount: 0.25000		
20-FEB-2004 20:32	AR1232	6UB4037.d
20-FEB-2004 17:41	AR1221	6UB4031.d
31-JAN-2004 03:38	AR1254	6UA4226.d
31-JAN-2004 00:47	AR1248	6UA4220.d
30-JAN-2004 21:57	AR1242	6UA4214.d
30-JAN-2004 18:09	AR1660	6UA4206.d
Cal Level: 4 , Cal Amount: 1.00000		
20-FEB-2004 19:06	AR1232	6UB4034.d
20-FEB-2004 16:16	AR1221	6UB4028.d
31-JAN-2004 02:12	AR1254	6UA4223.d
30-JAN-2004 23:22	AR1248	6UA4217.d
30-JAN-2004 20:32	AR1242	6UA4211.d
30-JAN-2004 16:44	AR1660	6UA4203.d
Cal Level: 5 , Cal Amount: 2.50000		
20-FEB-2004 21:00	AR1232	6UB4038.d
20-FEB-2004 18:10	AR1221	6UB4032.d
31-JAN-2004 04:06	AR1254	6UA4227.d
31-JAN-2004 01:16	AR1248	6UA4221.d

30-JAN-2004 22:25	AR1242	6UA4215.d
30-JAN-2004 18:38	AR1660	6UA4207.d

Cal Level: 6 , Cal Amount: 10.00000

20-FEB-2004 21:29	AR1232	6UB4039.d
20-FEB-2004 18:38	AR1221	6UB4033.d
31-JAN-2004 04:34	AR1254	6UA4228.d
31-JAN-2004 01:44	AR1248	6UA4222.d
30-JAN-2004 22:54	AR1242	6UA4216.d
30-JAN-2004 19:06	AR1660	6UA4208.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

16-MAR-2004 23:48	AR1254	6UC2120.d
16-MAR-2004 23:19	AR1248	6UC2119.d
16-MAR-2004 22:51	AR1242	6UC2118.d
17-MAR-2004 02:10	AR1254	6UC2125.d
17-MAR-2004 01:41	AR1248	6UC2124.d
17-MAR-2004 01:13	AR1242	6UC2123.d
17-MAR-2004 00:45	AR1660	6UC2122.d
16-MAR-2004 22:23	AR1660	6UC2117.d
16-MAR-2004 12:26	AR1254	6UC2096.d
16-MAR-2004 11:57	AR1248	6UC2095.d
16-MAR-2004 11:27	AR1242	6UC2094.d
16-MAR-2004 10:58	AR1660	6UC2093.d

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/10/04 Time: 1122

Lab File ID: 6UH1123 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1011000	1.0000000	23622.000	0.01	10.11	15.00	2RDR
(2)	0.9823500	1.0000000	46686.000	0.01	-1.76	15.00	2RDR
(3)	1.0235000	1.0000000	27519.000	0.01	2.35	15.00	2RDR
(4)	0.9924500	1.0000000	17810.000	0.01	-0.76	15.00	2RDR
(5)	0.9929200	1.0000000	16458.000	0.01	-0.71	15.00	2RDR
Average %D: 1.8500							
Aroclor-1260	1.0434000	1.0000000	25751.000	0.01	4.34	15.00	2RDR
(2)	1.0394000	1.0000000	25705.000	0.01	3.94	15.00	2RDR
(3)	0.9553700	1.0000000	53365.000	0.01	-4.46	15.00	2RDR
(4)	0.9572200	1.0000000	28478.000	0.01	-4.28	15.00	2RDR
(5)	0.9534100	1.0000000	15731.000	0.01	-4.66	15.00	2RDR
Average %D: -1.020							
Tetrachloro-m-xylene	2.23e-002	2.e-002	1097200.0	0.01	11.50	15.00	2RDR
Decachlorobiphenyl	2.1e-002	2.e-002	832600.00	0.01	5.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/10/04 Time: 1122

Lab File ID: 6UH2123 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0912000	1.0000000	50426.000	0.01	9.12	15.00	2RDR
(2)	0.9847600	1.0000000	23249.000	0.01	-1.52	15.00	2RDR
(3)	1.0007000	1.0000000	75991.000	0.01	0.07	15.00	2RDR
(4)	1.0151000	1.0000000	35687.000	0.01	1.51	15.00	2RDR
(5)	0.9805200	1.0000000	27594.000	0.01	-1.95	15.00	2RDR
Average %D: 1.4500							
Aroclor-1260	0.9979400	1.0000000	52641.000	0.01	-0.21	15.00	2RDR
(2)	1.0661000	1.0000000	43430.000	0.01	6.61	15.00	2RDR
(3)	1.0056000	1.0000000	85400.000	0.01	0.56	15.00	2RDR
(4)	1.0330000	1.0000000	51601.000	0.01	3.30	15.00	2RDR
(5)	1.0277000	1.0000000	24496.000	0.01	2.77	15.00	2RDR
Average %D: 2.6100							
Tetrachloro-m-xylene	2.26e-002	2.e-002	2041400.0	0.01	13.00	15.00	2RDR
Decachlorobiphenyl	2.24e-002	2.e-002	1184200.0	0.01	12.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 0017

Lab File ID: 6UH1147 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0940000	1.0000000	23481.000	0.01	9.40	15.00	2RDR
(2)	0.9852600	1.0000000	46814.000	0.01	-1.47	15.00	2RDR
(3)	1.0139000	1.0000000	27279.000	0.01	1.39	15.00	2RDR
(4)	0.9928600	1.0000000	17817.000	0.01	-0.71	15.00	2RDR
(5)	0.9913900	1.0000000	16435.000	0.01	-0.86	15.00	2RDR
Average %D: 1.5500							
Aroclor-1260	1.0608000	1.0000000	26155.000	0.01	6.08	15.00	2RDR
(2)	1.0661000	1.0000000	26332.000	0.01	6.61	15.00	2RDR
(3)	0.9817100	1.0000000	54771.000	0.01	-1.83	15.00	2RDR
(4)	0.9736600	1.0000000	28949.000	0.01	-2.63	15.00	2RDR
(5)	0.9855300	1.0000000	16240.000	0.01	-1.45	15.00	2RDR
Average %D: 1.3600							
Tetrachloro-m-xylene	2.24e-002	2.e-002	1102400.0	0.01	12.00	15.00	2RDR
Decachlorobiphenyl	2.19e-002	2.e-002	866150.00	0.01	9.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 0017

Lab File ID: 6UH2147 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1878000	1.0000000	54418.000	0.01	18.78	15.00	2RDR	<-
(2)	1.0868000	1.0000000	25443.000	0.01	8.68	15.00	2RDR	
(3)	1.1005000	1.0000000	82915.000	0.01	10.05	15.00	2RDR	
(4)	1.1041000	1.0000000	38532.000	0.01	10.41	15.00	2RDR	
(5)	1.0863000	1.0000000	30361.000	0.01	8.63	15.00	2RDR	
Average %D: 11.310								
Aroclor-1260	1.0740000	1.0000000	56418.000	0.01	7.40	15.00	2RDR	
(2)	1.1329000	1.0000000	45983.000	0.01	13.29	15.00	2RDR	
(3)	1.0812000	1.0000000	91512.000	0.01	8.12	15.00	2RDR	
(4)	1.1103000	1.0000000	55259.000	0.01	11.03	15.00	2RDR	
(5)	1.1186000	1.0000000	26546.000	0.01	11.86	15.00	2RDR	
Average %D: 10.340								
Tetrachloro-m-xylene	2.5e-002	2.e-002	2249600.0	0.01	25.00	15.00	2RDR	<-
Decachlorobiphenyl	2.45e-002	2.e-002	1288400.0	0.01	22.50	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 0917

Lab File ID: 6UH1166 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0658000	1.0000000	22917.000	0.01	6.58	15.00	2RDR
(2)	0.9716000	1.0000000	46213.000	0.01	-2.84	15.00	2RDR
(3)	0.9965200	1.0000000	26842.000	0.01	-0.35	15.00	2RDR
(4)	0.9626700	1.0000000	17299.000	0.01	-3.73	15.00	2RDR
(5)	0.9663600	1.0000000	16058.000	0.01	-3.36	15.00	2RDR
Average %D: -0.740							
Aroclor-1260	1.0343000	1.0000000	25540.000	0.01	3.43	15.00	2RDR
(2)	1.0442000	1.0000000	25816.000	0.01	4.42	15.00	2RDR
(3)	0.9680700	1.0000000	54043.000	0.01	-3.19	15.00	2RDR
(4)	0.9504500	1.0000000	28284.000	0.01	-4.96	15.00	2RDR
(5)	0.9621100	1.0000000	15869.000	0.01	-3.79	15.00	2RDR
Average %D: -0.820							
Tetrachloro-m-xylene	2.19e-002	2.e-002	1077200.0	0.01	9.50	15.00	2RDR
Decachlorobiphenyl	2.12e-002	2.e-002	840100.00	0.01	6.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 0917

Lab File ID: 6UH2166 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1693000	1.0000000	53656.000	0.01	16.93	15.00	2RDR	<-
(2)	1.0614000	1.0000000	24900.000	0.01	6.14	15.00	2RDR	
(3)	1.0920000	1.0000000	82331.000	0.01	9.20	15.00	2RDR	
(4)	1.0813000	1.0000000	37805.000	0.01	8.13	15.00	2RDR	
(5)	1.0687000	1.0000000	29901.000	0.01	6.87	15.00	2RDR	
Average %D: 9.4500								
Aroclor-1260	1.0644000	1.0000000	55942.000	0.01	6.44	15.00	2RDR	
(2)	1.1309000	1.0000000	45905.000	0.01	13.09	15.00	2RDR	
(3)	1.0739000	1.0000000	90921.000	0.01	7.39	15.00	2RDR	
(4)	1.0980000	1.0000000	54678.000	0.01	9.80	15.00	2RDR	
(5)	1.0949000	1.0000000	26013.000	0.01	9.49	15.00	2RDR	
Average %D: 9.2400								
Tetrachloro-m-xylene	2.46e-002	2.e-002	2212600.0	0.01	23.00	15.00	2RDR	<-
Decachlorobiphenyl	2.37e-002	2.e-002	1248600.0	0.01	18.50	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 1523

Lab File ID: 6UH1177 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0581000	1.0000000	22762.000	0.01	5.81	15.00	2RDR
(2)	0.9369700	1.0000000	44685.000	0.01	-6.30	15.00	2RDR
(3)	0.9787100	1.0000000	26394.000	0.01	-2.13	15.00	2RDR
(4)	0.9457400	1.0000000	17008.000	0.01	-5.43	15.00	2RDR
(5)	0.9601300	1.0000000	15964.000	0.01	-3.99	15.00	2RDR
Average %D: -2.410							
Aroclor-1260	1.0320000	1.0000000	25487.000	0.01	3.20	15.00	2RDR
(2)	1.0260000	1.0000000	25389.000	0.01	2.60	15.00	2RDR
(3)	0.9379100	1.0000000	52432.000	0.01	-6.21	15.00	2RDR
(4)	0.9308200	1.0000000	27721.000	0.01	-6.92	15.00	2RDR
(5)	0.9389100	1.0000000	15501.000	0.01	-6.11	15.00	2RDR
Average %D: -2.690							
Tetrachloro-m-xylene	2.17e-002	2.e-002	1069800.0	0.01	8.50	15.00	2RDR
Decachlorobiphenyl	2.14e-002	2.e-002	844400.00	0.01	7.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 1523

Lab File ID: 6UH2177 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1675000	1.0000000	53582.000	0.01	16.75	15.00	2RDR	<-
(2)	1.0554000	1.0000000	24772.000	0.01	5.54	15.00	2RDR	
(3)	1.0731000	1.0000000	81018.000	0.01	7.31	15.00	2RDR	
(4)	1.0819000	1.0000000	37824.000	0.01	8.19	15.00	2RDR	
(5)	1.0513000	1.0000000	29448.000	0.01	5.13	15.00	2RDR	
Average %D: 8.5800								
Aroclor-1260	1.0585000	1.0000000	55648.000	0.01	5.85	15.00	2RDR	
(2)	1.1276000	1.0000000	45781.000	0.01	12.76	15.00	2RDR	
(3)	1.0559000	1.0000000	89464.000	0.01	5.59	15.00	2RDR	
(4)	1.0896000	1.0000000	54279.000	0.01	8.96	15.00	2RDR	
(5)	1.0929000	1.0000000	25968.000	0.01	9.29	15.00	2RDR	
Average %D: 8.4900								
Tetrachloro-m-xylene	2.46e-002	2.e-002	2213600.0	0.01	23.00	15.00	2RDR	<-
Decachlorobiphenyl	2.38e-002	2.e-002	1251300.0	0.01	19.00	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 1649

Lab File ID: 6UH1180 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1254	0.8504700	1.0000000	36756.000	0.01	-14.95	15.00	2RDR	
(2)	0.8229000	1.0000000	22481.000	0.01	-17.71	15.00	2RDR	<-
(3)	0.8052300	1.0000000	38845.000	0.01	-19.48	15.00	2RDR	<-
(4)	0.6955800	1.0000000	28763.000	0.01	-30.44	15.00	2RDR	<-
(5)	0.8205900	1.0000000	17207.000	0.01	-17.94	15.00	2RDR	<-
Average %D: -20.10								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 1649

Lab File ID: 6UH2180 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1254	0.9839200	1.0000000	17933.000	0.01	-1.61	15.00	2RDR	
(2)	0.9371000	1.0000000	19687.000	0.01	-6.29	15.00	2RDR	
(3)	0.9150700	1.0000000	35688.000	0.01	-8.49	15.00	2RDR	
(4)	0.9086400	1.0000000	64814.000	0.01	-9.14	15.00	2RDR	
(5)	0.8198700	1.0000000	44217.000	0.01	-18.01	15.00	2RDR	<-
Average %D: -8.710								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 2357

Lab File ID: 6UH1195 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0183000	1.0000000	21964.000	0.01	1.83	15.00	2RDR
(2)	0.8899900	1.0000000	42605.000	0.01	-11.00	15.00	2RDR
(3)	0.9344100	1.0000000	25277.000	0.01	-6.56	15.00	2RDR
(4)	0.9075200	1.0000000	16350.000	0.01	-9.25	15.00	2RDR
(5)	0.9395600	1.0000000	15653.000	0.01	-6.04	15.00	2RDR
Average %D: -6.200							
Aroclor-1260	1.0075000	1.0000000	24919.000	0.01	0.75	15.00	2RDR
(2)	1.0112000	1.0000000	25041.000	0.01	1.12	15.00	2RDR
(3)	0.9151300	1.0000000	51213.000	0.01	-8.49	15.00	2RDR
(4)	0.9061200	1.0000000	27012.000	0.01	-9.39	15.00	2RDR
(5)	0.9232300	1.0000000	15252.000	0.01	-7.68	15.00	2RDR
Average %D: -4.740							
Tetrachloro-m-xylene	2.12e-002	2.e-002	1047000.0	0.01	6.00	15.00	2RDR
Decachlorobiphenyl	2.11e-002	2.e-002	834650.00	0.01	5.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 2357

Lab File ID: 6UH2195 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1800000	1.0000000	54096.000	0.01	18.00	15.00	2RDR	<-
(2)	1.0611000	1.0000000	24894.000	0.01	6.11	15.00	2RDR	
(3)	1.0759000	1.0000000	81217.000	0.01	7.59	15.00	2RDR	
(4)	1.0948000	1.0000000	38237.000	0.01	9.48	15.00	2RDR	
(5)	1.0587000	1.0000000	29640.000	0.01	5.87	15.00	2RDR	
Average %D: 9.4100								
Aroclor-1260	1.0565000	1.0000000	55549.000	0.01	5.65	15.00	2RDR	
(2)	1.1263000	1.0000000	45732.000	0.01	12.63	15.00	2RDR	
(3)	1.0618000	1.0000000	89944.000	0.01	6.18	15.00	2RDR	
(4)	1.0936000	1.0000000	54468.000	0.01	9.36	15.00	2RDR	
(5)	1.1022000	1.0000000	26178.000	0.01	10.22	15.00	2RDR	
Average %D: 8.8100								
Tetrachloro-m-xylene	2.51e-002	2.e-002	2252200.0	0.01	25.50	15.00	2RDR	<-
Decachlorobiphenyl	2.42e-002	2.e-002	1274000.0	0.01	21.00	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/12/04 Time: 0122

Lab File ID: 6UH1198 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1254	0.8241600	1.0000000	35704.000	0.01	-17.58	15.00	2RDR	<-
(2)	0.7897200	1.0000000	21615.000	0.01	-21.03	15.00	2RDR	<-
(3)	0.7702400	1.0000000	37246.000	0.01	-22.98	15.00	2RDR	<-
(4)	0.6561400	1.0000000	27218.000	0.01	-34.39	15.00	2RDR	<-
(5)	0.7992800	1.0000000	16790.000	0.01	-20.07	15.00	2RDR	<-
Average %D: -23.21								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-6

Instrument ID: GC06 Calibration Date: 08/12/04 Time: 0122

Lab File ID: 6UH2198 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1254	0.9826000	1.0000000	17911.000	0.01	-1.74	15.00	2RDR	
(2)	0.9285200	1.0000000	19522.000	0.01	-7.15	15.00	2RDR	
(3)	0.9158400	1.0000000	35716.000	0.01	-8.42	15.00	2RDR	
(4)	0.9092200	1.0000000	64853.000	0.01	-9.08	15.00	2RDR	
(5)	0.8070100	1.0000000	43569.000	0.01	-19.30	15.00	2RDR	<-
Average %D: -9.140								

FORM VII PEST

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2ul

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
1-29-04	LAD	6UA3/4 174	WU0059-10 3510	N	Y	PCBA/B023A.m	246/245	
		175	AR1660 1.0ppm P2753	N	Y			1016, 1260 TCX A (GK)
		176	1242 P2693	N	Y			↑B AOK
		177	1248 P2726	N	Y			↑B AOK
		178	1254 P2715	N	Y			
	Changed liner and clipped					Column replaced		Septa
1-29-04	LAD	6UA3/4 179	AR1660 1.0ppm P2753	—	—	PCBA/B023A.m	246/245	
		180	hex	—	—			
		181		—	—			
		182		—	—			
		183	AR1660 1.0ppm P2753	Y	Y			1016, TCX↑B
		184	AR1242 1.0ppm P2693	N	Y			B↑
		185	AR1248 P2726	N	Y			
		186	AR1254 P2715	N	Y			
		187	WG5516-3 3545	N				
		188	-4	N				
		189	-5					
		190	-6					
		191	AR1660 1.0ppm P2753	N	Y			B↑
		192	1242 P2693	N	Y			
		193	1248 P2726	N	Y			
		194	1254 P2715	N	Y			
1-30-04		195	WU0043-1 3545	N				48, 54, 60 ?
		196	-2					
		197	-3					62? (GK)
		198	-4					
		199	AR1262 1.0ppm P2741					
		200	AR1268 1.0ppm P2743					
		201	hexane					
		202	hexane					
		203	AR1660 1.0ppm P2753			PCBA/B024A.m		
		204	0.05 P2701					

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2ul

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
1-30-04	LAD	6WA3/4205	AR1660 0.10 PPm P2704	N	Y	PCBA/B024A-M	246/245	
		206	0.25 P2705					
		207	2.5 P2703					
		208	10 P2702					
		209	AR1016 1.0PPm P2644					
		210	AR1260 1.0PPm P2645					
		211	AR1242 1.0PPm P2697	Y				
		212	0.05 P2696					
		213	0.10 P2695					
		214	0.25 P2694					
		215	2.5 P2692					
		216	10 P2673	N				
		217	AR1248 1.0PPm P2736	N				
		218	0.05 P2739	Y				
1-31-04		219	0.10 P2738	Y				
		220	0.25 P2737	Y				
		221	2.5 P2735	N				
		222	10 P2734					
		223	AR1254 1.0PPm P2769					
		224	0.05 P2718	Y				
		225	0.10 P2717	Y				
		226	0.25 P2716	N				
		227	2.5 P2714					
		228	10 P2680					
		229	AR1221 1.0PPm P2756	Y				
		230	1232 P2759	Y				
		231	1262 P2741	N				
		232	1268 P2743					
		233	1254II P2547		Y			for pattern recog. only
		234	WG5647-1 3545	N	Y			
		235	-2					
		236	-3					

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2uL

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
8.06.04	SMW	1eUH12095	WG9033-4 3545	N	Y	PCBA/B024.B	246/245	
		96	↓ -5					TCX↑B
		97	WU2388-3DL					1:5 50/250uL
		98	AR1242 1.0PPM P2895 ~~P2907~~					
		99	AR1248 P2865 ~~P2915~~					
		100	AR1254 P2893 ~~P2865~~					
		101	AR1660 P2890					DCB↑B TCX↑A+B
18.09.04		102	Prime	N	N			
		103	AR1660 1.0PPM P2890		Y			
		104	AR1242 P2895					
		105	AR1248 P2865					
		106	AR1254 P2893					A↓
		107	WU2388-15DL 3545	Y	Y			1:20 50uL/1mL
		108	WU2358-9REDL					1:20
		109	Hexane	N	N			
		110	GC0140		Y			
		111	WG8938-1 3540					
		112	↓ -2					
		113	WU2316-2	Y				
		114	-3					
		115	↓ -4					
		116	WG8938-3					
		117	↓ -4					
		118	AR1660 1.0PPM P2890	N	Y			TCX, DCB↑B
		119	AR1242 P2895					
		120	AR1248 P2865					
		121	AR1254 P2893					
8.10.04		122	Prime	N	N			
		123	AR1660 1.0PPM P2890		Y			
		124	AR1242 P2895					
		125	AR1248 P2865					
		126	AR1254 P2893					A↓

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2 uL

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
08-10-04	SCW	1011H12127	WG9122 -1 3545	N	Y	PCB A/B024B	246/245	
		128	↓ -2 ↓					
		129	WU2426-1					
		130	↓ -4 ↓					
		131	WG9127 -3 3550	↓				
		132	WU2426-16	Y				DCB ↓ A
		133	-19	N				DCB ↓ A
		134	↓ -20					DCB ↓ A TCX ↓ A
		135	WU2427-9					DCB ↓ A
		136	-10 ↓					DCB ↓ A; TCX ↑ B
		137	WG9127 -1 3550	↓				
		138	↓ -2	Y				1260 ↑ B
		139	WU2426-17	N				DCB ↓ A + B TCX ↓ A
		140	↓ -18	Y				DCB ↓ A + B TCX ↓ A
		141	WU2427-1	N				
		142	-2					
		143	-3					
		144	-4					
		145	-5					
↓		146	↓ -6 ↓	↓	↓			
08-11-04		147	AR1660 1.0PPM P2890		Y			TCX, DCB ↑ B
		148	AR1242 ↓ P2895	↓	↓			
		149	WU2427-7 3550	Y	Y			TCX + DCB ↑ B
		150	-8	N	↓			
		151	↓ -11 ↓		N			Rerun 1:20
		152	WU2426-2 3545		Y			DCB ↓ A + B
		153	-3					
		154	-5					DCB ↓ A + B
		155	-6					
		156	-7					Rerun for 1254
		157	-8					TCX ↑ B
↓	↓	↓ 158	↓ -9 ↓	↓	↓	↓	↓	

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2 uL

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
08-11-04	SAW	6HH12159	WU2426-10 3545	Y	Y	PCBA/8082B	246/245	
↓	↓	1160	WU2316-2RA 3540	↓	↓	↓	↓	3660
		1161	-3RA ↓	N	↓			↓
		1162	↓ -4RA	↓	↓			↓
		1163	WG8938-1RA	↓	↓			↓
		1164	↓ -2RA	↓	↓			↓
		1165	↓ -3RA ↓	↓	↓			↓
		1166	AR1260 1.0PPM P2890	N	Y			
		167	AR1242 1.0PPM P2895	↓	↓			
		1168	WU2426-11 3545	↓	Y			
		169	↓ -12 ↓	↓	↓			
		170	-13	↓	↓			
		171	-14	↓	↓			
		172.	↓ -15	↓	↓			
		173	WG9122-3	↓	↓			
		174	↓ -4 ↓	↓	↓			
		175	WG8938-4RA 3540	Y				3660
		176	WU2427-11DL 3550	N				1:20 50ug/mL
		177	~~WG9146-1~~ AR1260 1.0PPM	↓				P2890 TCX, DCB↑B
		178	8-12-04 ↓ ~~-2 AR1254~~ 1242 ↓					P2895
		179	AR1248 1.0PPM					P2865
		180	AR1254 ↓					P2893 A↓
		181	WG9146-1 3550					~~DCB↓B~~
		182	↓ -2					~~DCB, 1016, 1260↓B~~
		183	WU2451-1	↓				~~DCB, TCX↓B~~
		184	-2	Y				~~DCB, TCX↓B~~
		185	-3	N				DCB↑A; ~~DCB↓B~~ 8-12-04 SAW
		186	-4	↓				~~DCB, TCX↓B~~
		187	-5					TCX↓A+B; ~~DCB↓B~~
		188	-6					~~DCB, TCX↓B~~
		189	-7					~~DCB, TCX↓B~~
↓	↓	190	↓ -8 ↓	↓	↓	↓	↓	DCB↑A; ~~DCB↓B~~

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2 uL

Method SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
08-11-04	SDW	6UH12191	WU2451-9 3550	Y	N	PCBA/8024A	246/245	rerun 1:2
		192	-10		Y			~~TCX, DCB ↓ B~~
		193	WU2426-7RA 3545	N				
		194	-11RA 3550	Y				TCX ↑ B
		195	AR1660 1.0PPM P2890	N				TCX, DCB ↑ B
08-12-04		196	AR1242 P2895					
		197	AR1248 P2865					
		198	AR1254 P2893					A ↓
		199	WU2451-9DL 3550	Y	Y			1:2 500uL/1mL
		200	AR1660 1.0PPM P2890	N				
		201	AR1242 P2895					
		202	AR1248 P2865					
		203	AR1254 P2893					
08-13-04		204	Prime	N	N			
		205	AR1660 1.0PPM P2890					
		206	AR1242 P2895					
		207	AR1248 P2865					
		208	AR1254 P2893					
08-13-04	SDW		Changed the liner + septum					
08-13-04	SDW	6UH12209	AR1660 1.0PPM P2890	N	N	PCBA/8024A	246/245	
		210	AR1242 P2895					
		211	AR1248 P2865					
		212	AR1254 P2893					
08-16-04		213	Prime					
		214	AR1660 1.0PPM P2890	N	Y			
		215	AR1242 P2895					
		216	AR1248 P2865	N Y				
		217	AR1254 P2893	N				A ↓
		218	WU2346-1 3550	Y	Y			
		219	-1RA		N			3660 (not needed)

KATAHDIN ANALYTICAL SERVICES, INC.

ORGANIC EXTRACTIONS LOG - SOIL PESTICIDE/PCB

PCB - SoN

Extraction Method: SW846 3550 (sonication) ✓ SW846 3540 (soxhlet)____ SW846 3545 (ase)____

Analytical Method: SW846 8081____ SW846 8082 ✓ CLP OLM03.1____ CLP OLM04.2____

Date QC Started: 8-10-04 QC Expiration Date: 8-24-04 QC Batch ID____

Surrogate ID: NB 8-24-04 GC0136 Spike ID: PCB : GC0140 Spike ID:____

Solvent Lot # $MeCl_2$: A18E10 Solvent Lot # Hexane : A02E41

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8-10-04	NB	NG 9127 -1	30g	1.0 mL	NR		✓	10mL	8-10-04	RP577 E6	MC			✓		R22984
↓	↓	↓ -2	↓	↓	1.0 mL		✓	↓	↓	E7	↓			✓		
↓	↓	↓ -3	↓	↓	↓		✓	↓	↓	E8	↓			✓		

QAEX098

Katahdin Analytical Services 300 0000031

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-up: GPC	Clean-up: Flor.	Clean-up: Acid Wash	Clean-up: Other	Comments
8-10-04	JFC	WV2426-16	30g	1.0 mL	NR		✓	10mL	8-10-04	PP577 E9	MC			✓		
		-17					✓			E10						
		-18					✓			E1						
		-19					✓			E12						
		-20					✓			F1						
		WV2427-1					✓			F2						
		-2					✓			F3						
		-3					✓			F4						
		-4					✓			F5						
		-5					✓			F6						
		-6					✓			F7						
		-7					✓			F8						
		-8					✓			F9						
		-9					✓			F10						
		-10					✓			F11						
		-11					✓			F12						

QAEX098

Katahdin Analytical Services 3000087

0000032

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - SOIL PESTICIDE/PCB

Extraction Method: SW846 3550 (sonication)_____ SW846 3540 (soxhlet)_____ SW846 3545 (ase) ✓

Analytical Method: SW846 8081_____ SW846 8082 ✓ CLP OLM03.1_____ CLP OLM04.2_____

Date QC Started: 8.10.04 QC Expiration Date: 8.24.04 QC Batch ID_____

Surrogate ID: GC0136 Spike ID: GC0140 (PCB) Spike ID:_____

Solvent Lot # Hexane, A02E41 Solvent Lot #_____

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8-10-04	NB	WG 9122 -1	15g	0.5 ml	NR		✓	5ml	8-10-04	PP578 A1	MC			✓		R22982
↓	↓	↓ -2	↓	↓	0.5 ml		✓	↓	↓	A2	↓			✓		
↓	↓	↓ -3	↓	↓	↓		✓	5ml	8-11-04	A3	MC			✓		
↓	↓	↓ -4	↓	↓	↓		✓	↓	↓	A4	↓			✓		

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction		Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up				Comments
						Pest	PCB					GPC	Flor.	Acid Wash	Other	
8-10-04	NB	WU2426 -1	15g	0.5 mL	NR		✓	5mL	8-10-04	PP578 A5	MC			✓		
		-2								A6						
		-3								A7						
		-4								A8						
		-5								A9						
		-6								A10						
		-7								A11						
		-8								A12						
		-9								~~A13~~ 81 MC 8/10/04						
		-10								~~A14~~ 82						
		-11						5mL	8-11-04	B3	MC					
		-12								B4						
		-13								B5						
		-14								B6						
		-15								B7						

QAEX098

Katahdin Analytical Services 3000089

0000034

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**AUGUST 27, 2004**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS + TIN**
NAS KEY WEST – CTO 349
SAMPLE DELIVERY GROUP (SDG) – 3516

SAMPLES: 20/SOIL/

C03V-01C-06-0804	C03V-01C-12-0804	C03V-01C-24-0804
C03V-01WS-06-0804	C03V-01WS-12-0804	C03V-01WS-24-0804
C03V-02C-06-0804	C03V-02C-12-0804	C03V-02C-24-0804
C03V-02ES-06-0804	C03V-02ES-12-0804	C03V-02ES-24-0804
C03V-09C-06-0804	C03V-09C-12-0804	C03V-09C-24-0804
C03V-13C-06-0804	C03V-13C-12-0804	C03V-13C-24-0804
C03V-14C-06-0804	C03V-14C-12-0804	

Overview

The sample set for NAS Key West, CTO 349, SDG 3516, consists of twenty (20) soil environmental samples.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by Tetra Tech NUS on August 9, 2004 and analyzed by Katahdin Analytical Services. Metals analyses except mercury were conducted using SW846 method 6010B. Mercury analyses were conducted using SW846 method 7471A.

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

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
• Laboratory Blank Analyses
* • Detection Limits

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	151.9 ug/L	75.95 mg/kg
Antimony	2.58 ug/L	1.29 mg/kg
Barium[1]	0.055 mg/kg	0.28 mg/kg
Cadmium	0.46 ug/L	0.23 mg/kg
Calcium[1]	11.55 mg/kg	57.75 mg/kg
Copper	4.95 ug/L	2.48 mg/kg
Iron	26.50 ug/L	13.25 mg/kg
Lead	2.46 ug/L	1.23 mg/kg
Magnesium	60.89 ug/L	30.45 mg/kg
Manganese[1]	0.079 mg/kg	0.395 mg/kg
Nickel	1.44 ug/L	0.72 mg/kg
Potassium	608.58 ug/L	304.30 mg/kg
Sodium[1]	8.446 mg/kg	42.23 mg/kg
Tin[1]	2.721 mg/kg	13.61 mg/kg
Zinc[1]	0.32 mg/kg	1.6 mg/kg

[1] Maximum concentration present in laboratory preparation blank.

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

Notes

Dilutions were performed for calcium in all samples due to the concentrations of calcium above the linear range of the instrument.

Dilutions were performed for lead in samples C03V-02ES-06-0804 and C03V-13C-06-0804 due to the concentrations of lead above the linear range of the instrument.

Executive Summary

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

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", 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: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-01C-06-0804	nsample	C03V-01C-12-0804	nsample	C03V-01C-24-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-007	lab_id	WU2426-008	lab_id	WU2426-009
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	96.0	Pct_Solids	91.2	Pct_Solids	92.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	259		
ANTIMONY	2.4		
ARSENIC	1.3		
BARIUM	17.6		
BERYLLIUM	0.02		
CADMIUM	0.77		
CALCIUM	330000		
CHROMIUM	6.6		
COBALT	0.4		
COPPER	36.4		
IRON	4110		
LEAD	146		
MAGNESIUM	1280		
MANGANESE	24.9		
MERCURY	0.08		
NICKEL	3.4		
POTASSIUM	42.2	U	A
SELENIUM	0.3	U	
SILVER	1.6		
SODIUM	1100		
THALLIUM	0.33	U	
TIN	3.6	U	A
VANADIUM	2.8		
ZINC	65		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	88.9		
ANTIMONY	0.32	U	A
ARSENIC	0.5		
BARIUM	6.4		
BERYLLIUM	0.02	U	
CADMIUM	0.06	U	A
CALCIUM	320000		
CHROMIUM	1.8		
COBALT	0.08		
COPPER	2.7		
IRON	196		
LEAD	4.4		
MAGNESIUM	1160		
MANGANESE	3.4		
MERCURY	0.04		
NICKEL	0.61		
POTASSIUM	96.9	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	1200		
THALLIUM	0.37		
TIN	2.4	U	A
VANADIUM	1.1		
ZINC	4.6		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	62.1	U	A
ANTIMONY	0.21	U	
ARSENIC	0.56		
BARIUM	5.5		
BERYLLIUM	0.02	U	
CADMIUM	0.08	U	A
CALCIUM	313000		
CHROMIUM	1.7		
COBALT	0.16		
COPPER	1.3	U	A
IRON	65.5		
LEAD	1.3		
MAGNESIUM	1080		
MANGANESE	3.3		
MERCURY	0.01	U	
NICKEL	0.56	U	A
POTASSIUM	21.01	U	
SELENIUM	0.33	U	
SILVER	0.06	U	
SODIUM	1140		
THALLIUM	0.36	U	
TIN	2.6	U	A
VANADIUM	1.6		
ZINC	0.87	U	A

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-01WS-06-0804	nsample	C03V-01WS-12-0804	nsample	C03V-01WS-24-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-010	lab_id	WU2426-011	lab_id	WU2426-012
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	92.6	Pct_Solids	94.0	Pct_Solids	92.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	122		
ANTIMONY	0.88	U	A
ARSENIC	0.65		
BARIUM	13.6		
BERYLLIUM	0.02	U	
CADMIUM	0.35		
CALCIUM	354000		
CHROMIUM	4.1		
COBALT	0.21		
COPPER	28.4		
IRON	1320		
LEAD	102		
MAGNESIUM	858		
MANGANESE	11		
MERCURY	0.04		
NICKEL	2		
POTASSIUM	36	U	A
SELENIUM	0.29	U	
SILVER	0.05	U	
SODIUM	1260		
THALLIUM	0.34		
TIN	5.2	U	A
VANADIUM	2.4		
ZINC	57.2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	62.4		
ANTIMONY	0.19	U	
ARSENIC	0.46		
BARIUM	5.9		
BERYLLIUM	0.02	U	
CADMIUM	0.06	U	A
CALCIUM	379000		
CHROMIUM	1.4		
COBALT	0.08		
COPPER	1.4	U	A
IRON	98.2		
LEAD	0.86	U	A
MAGNESIUM	1020		
MANGANESE	2.4		
MERCURY	0.01		
NICKEL	0.5	U	A
POTASSIUM	19.48	U	
SELENIUM	0.3	U	
SILVER	0.06	U	
SODIUM	1390		
THALLIUM	0.33	U	
TIN	2.1	U	A
VANADIUM	0.97		
ZINC	1.2	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	78.5		
ANTIMONY	0.19	U	
ARSENIC	0.42		
BARIUM	6.2		
BERYLLIUM	0.02		
CADMIUM	0.05	U	A
CALCIUM	378000		
CHROMIUM	2		
COBALT	0.05	U	
COPPER	1.7	U	A
IRON	65.6		
LEAD	27.9		
MAGNESIUM	1170		
MANGANESE	2.8		
MERCURY	0.01	U	
NICKEL	0.58		
POTASSIUM	50.9	U	A
SELENIUM	0.29	U	
SILVER	0.06	U	
SODIUM	1190		
THALLIUM	0.32	U	
TIN	2.2	U	A
VANADIUM	0.96		
ZINC	6		

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-02C-06-0804	nsample	C03V-02C-12-0804	nsample	C03V-02C-24-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-004	lab_id	WU2426-005	lab_id	WU2426-006
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	93.5	Pct_Solids	91.2	Pct_Solids	88.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	781		
ANTIMONY	0.34	U	A
ARSENIC	0.99		
BARIUM	7.9		
BERYLLIUM	0.09		
CADMIUM	0.15	U	A
CALCIUM	208000		
CHROMIUM	6.1		
COBALT	0.28		
COPPER	8.6		
IRON	698		
LEAD	26.7		
MAGNESIUM	1700		
MANGANESE	23.8		
MERCURY	0.05		
NICKEL	1.2		
POTASSIUM	72.5	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	264		
THALLIUM	0.34	U	
TIN	2.4	U	A
VANADIUM	5.6		
ZINC	14.4		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	831		
ANTIMONY	0.26	U	A
ARSENIC	1.2		
BARIUM	6.2		
BERYLLIUM	0.11		
CADMIUM	0.11	U	A
CALCIUM	219000		
CHROMIUM	5.9		
COBALT	0.29		
COPPER	1.1	U	A
IRON	602		
LEAD	0.96		
MAGNESIUM	1760		
MANGANESE	24.2		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	45.3	U	A
SELENIUM	0.27	U	
SILVER	0.05	U	
SODIUM	256		
THALLIUM	0.3	U	
TIN	2.2	U	A
VANADIUM	5.7		
ZINC	1.1	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	143		
ANTIMONY	0.15	U	
ARSENIC	0.29		
BARIUM	7.7		
BERYLLIUM	0.02	U	
CADMIUM	0.08	U	A
CALCIUM	255000		
CHROMIUM	2.3		
COBALT	0.08		
COPPER	8.1		
IRON	417		
LEAD	15.1		
MAGNESIUM	649		
MANGANESE	5.2		
MERCURY	0.57		
NICKEL	0.58		
POTASSIUM	15.01	U	
SELENIUM	0.23	U	
SILVER	0.04	U	
SODIUM	869		
THALLIUM	0.26	U	
TIN	1.9	U	A
VANADIUM	1.5		
ZINC	18.2		

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-02ES-06-0804	nsample	C03V-02ES-12-0804	nsample	C03V-02ES-24-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-001	lab_id	WU2426-002	lab_id	WU2426-003
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	94.8	Pct_Solids	95.2	Pct_Solids	94.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	846		
ANTIMONY	1.3		
ARSENIC	0.93		
BARIUM	7.4		
BERYLLIUM	0.09		
CADMIUM	0.16	U	A
CALCIUM	233000		
CHROMIUM	5.6		
COBALT	0.24		
COPPER	65.5		
IRON	688		
LEAD	7170		
MAGNESIUM	1900		
MANGANESE	25.1		
MERCURY	0.02		
NICKEL	1.4		
POTASSIUM	34.4	U	A
SELENIUM	0.22	U	
SILVER	0.08		
SODIUM	255		
THALLIUM	0.56		
TIN	6.1	U	A
VANADIUM	5.5		
ZINC	10.4		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	768		
ANTIMONY	0.15	U	
ARSENIC	1		
BARIUM	6.1		
BERYLLIUM	0.09		
CADMIUM	0.08	U	A
CALCIUM	234000		
CHROMIUM	5.6		
COBALT	0.22		
COPPER	1.2	U	A
IRON	603		
LEAD	1.3		
MAGNESIUM	1900		
MANGANESE	24.6		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	74.7	U	A
SELENIUM	0.24	U	
SILVER	0.05	U	
SODIUM	243		
THALLIUM	0.32		
TIN	1.8	U	A
VANADIUM	5.4		
ZINC	1.2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	756		
ANTIMONY	0.22	U	A
ARSENIC	1		
BARIUM	6.2		
BERYLLIUM	0.08		
CADMIUM	0.1	U	A
CALCIUM	226000		
CHROMIUM	5.5		
COBALT	0.25		
COPPER	1.6	U	A
IRON	594		
LEAD	0.6	U	A
MAGNESIUM	1900		
MANGANESE	24.4		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	193	U	A
SELENIUM	0.28	U	
SILVER	0.05	U	
SODIUM	233		
THALLIUM	0.3		
TIN	2	U	A
VANADIUM	5.4		
ZINC	1.2		

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-09C-06-0804	nsample	C03V-09C-12-0804	nsample	C03V-09C-24-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-013	lab_id	WU2426-014	lab_id	WU2426-015
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	93.8	Pct_Solids	92.6	Pct_Solids	76.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	750		
ANTIMONY	0.28	U	A
ARSENIC	0.92		
BARIUM	6.4		
BERYLLIUM	0.07		
CADMIUM	0.14	U	A
CALCIUM	214000		
CHROMIUM	5.9		
COBALT	0.26		
COPPER	2.5		
IRON	669		
LEAD	26		
MAGNESIUM	1790		
MANGANESE	24.1		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	19.7	U	A
SELENIUM	0.3	U	
SILVER	0.06	U	
SODIUM	241		
THALLIUM	0.34	U	
TIN	2.4	U	A
VANADIUM	5.4		
ZINC	3.7		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	735		
ANTIMONY	0.32	U	A
ARSENIC	0.97		
BARIUM	5.8		
BERYLLIUM	0.07		
CADMIUM	0.08	U	A
CALCIUM	203000		
CHROMIUM	5.6		
COBALT	0.27		
COPPER	1.4	U	A
IRON	528		
LEAD	0.98	U	A
MAGNESIUM	1650		
MANGANESE	22.2		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	58.4	U	A
SELENIUM	0.3	U	
SILVER	0.06	U	
SODIUM	259		
THALLIUM	0.33	U	
TIN	2.2	U	A
VANADIUM	5.4		
ZINC	1.3		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	878		
ANTIMONY	0.26	U	A
ARSENIC	1.1		
BARIUM	7.1		
BERYLLIUM	0.11		
CADMIUM	0.14	U	A
CALCIUM	267000		
CHROMIUM	6.5		
COBALT	0.29		
COPPER	1.9	U	A
IRON	685		
LEAD	27.6		
MAGNESIUM	2080		
MANGANESE	27.7		
MERCURY	0.01	U	
NICKEL	1.3		
POTASSIUM	50.2	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	321		
THALLIUM	0.45		
TIN	2.3	U	A
VANADIUM	6.3		
ZINC	3.6		

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-13C-06-0804	nsample	C03V-13C-12-0804	nsample	C03V-13C-24-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-016	lab_id	WU2426-017	lab_id	WU2426-018
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	95.2	Pct_Solids	90.5	Pct_Solids	89.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	257		
ANTIMONY	39.6		
ARSENIC	1.5		
BARIUM	13.6		
BERYLLIUM	0.02	U	
CADMIUM	0.82		
CALCIUM	295000		
CHROMIUM	11.4		
COBALT	0.52		
COPPER	25.7		
IRON	3570		
LEAD	1450		
MAGNESIUM	1260		
MANGANESE	23.2		
MERCURY	0.02		
NICKEL	10.8		
POTASSIUM	27.5	U	A
SELENIUM	0.32	U	
SILVER	2.4		
SODIUM	958		
THALLIUM	0.36	U	
TIN	4.7	U	A
VANADIUM	2.7		
ZINC	71.4		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	45.2	U	A
ANTIMONY	0.97		
ARSENIC	0.42		
BARIUM	5.5		
BERYLLIUM	0.02	U	
CADMIUM	0.06	U	A
CALCIUM	299000		
CHROMIUM	1.5		
COBALT	0.06		
COPPER	1.4	U	A
IRON	75.5		
LEAD	15.5		
MAGNESIUM	730		
MANGANESE	1.7		
MERCURY	0.01	U	
NICKEL	0.47	U	A
POTASSIUM	39.4	U	A
SELENIUM	0.26	U	
SILVER	0.05	U	
SODIUM	1200		
THALLIUM	0.29	U	
TIN	1.9	U	A
VANADIUM	1		
ZINC	1.9		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	37.9	U	A
ANTIMONY	0.19	U	
ARSENIC	0.48		
BARIUM	6.3		
BERYLLIUM	0.02	U	
CADMIUM	0.05	U	A
CALCIUM	292000		
CHROMIUM	1.4		
COBALT	0.08		
COPPER	1.3	U	A
IRON	61.4		
LEAD	5.8		
MAGNESIUM	618		
MANGANESE	1.1		
MERCURY	0.01	U	
NICKEL	0.53	U	A
POTASSIUM	19.83	U	
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	1310		
THALLIUM	0.34	U	
TIN	2.6	U	A
VANADIUM	1.1		
ZINC	1.4		

PROJ_NO: 0693

SDG: 3516 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-14C-06-0804	nsample	C03V-14C-12-0804
samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2426-019	lab_id	WU2426-020
qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG
Pct_Solids	94.8	Pct_Solids	92.5
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	740		
ANTIMONY	0.19	U	A
ARSENIC	0.98		
BARIUM	6.4		
BERYLLIUM	0.07		
CADMIUM	0.14	U	A
CALCIUM	219000		
CHROMIUM	5.8		
COBALT	0.22		
COPPER	2.3		
IRON	673		
LEAD	11.6		
MAGNESIUM	1830		
MANGANESE	24.6		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	86.2	U	A
SELENIUM	0.28	U	
SILVER	0.05	U	
SODIUM	241		
THALLIUM	0.31	U	
TIN	2	U	A
VANADIUM	5.4		
ZINC	3.9		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	805		
ANTIMONY	0.29	U	A
ARSENIC	0.94		
BARIUM	6.2		
BERYLLIUM	0.08		
CADMIUM	0.11	U	A
CALCIUM	220000		
CHROMIUM	5.6		
COBALT	0.27		
COPPER	1.6	U	A
IRON	577		
LEAD	9.9		
MAGNESIUM	1810		
MANGANESE	24		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	124	U	A
SELENIUM	0.25	U	
SILVER	0.05	U	
SODIUM	220		
THALLIUM	0.28	U	
TIN	1.9	U	A
VANADIUM	5.5		
ZINC	1.9		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-01C-06-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 96.0 **Lab Sample ID:** WU2426-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	259			P	1	24	1.47
7440-36-0	ANTIMONY, TOTAL	2.4			P	1	0.64	0.19
7440-38-2	ARSENIC, TOTAL	1.3			P	1	0.64	0.24
7440-39-3	BARIUM, TOTAL	17.6			P	1	0.40	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	B		P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.77	B		P	1	0.80	0.02
7440-70-2	CALCIUM, TOTAL	330000			P	10	40	2.51
7440-47-3	CHROMIUM, TOTAL	6.6			P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.40	B		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	36.4			P	1	2.0	0.07
7439-89-6	IRON, TOTAL	4110			P	1	8.0	0.86
7439-92-1	LEAD, TOTAL	146		N*	P	1	0.40	0.14
7439-95-4	MAGNESIUM, TOTAL	1280			P	1	4.0	0.60
7439-96-5	MANGANESE, TOTAL	24.9			P	1	0.40	0.01
7439-97-6	MERCURY, TOTAL	0.08		N	CV	1	0.030	0.01
7440-02-0	NICKEL, TOTAL	3.4			P	1	3.2	0.07
7440-09-7	POTASSIUM, TOTAL	42.2	B		P	1	80	19.06
7782-49-2	SELENIUM, TOTAL	0.30	U		P	1	0.80	0.30
7440-22-4	SILVER, TOTAL	1.6			P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	1100			P	1	80	1.53
7440-28-0	THALLIUM, TOTAL	0.33	U		P	1	1.2	0.33
7440-31-5	TIN, TOTAL	3.6	B		P	1	8.0	0.14
7440-62-2	VANADIUM, TOTAL	2.8			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	65.0			P	1	2.0	0.02

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:** C03V-01C-12-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 91.2 **Lab Sample ID:** WU2426-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	88.9			P	1	25	1.54
7440-36-0	ANTIMONY, TOTAL	0.32	B		P	1	0.67	0.20
7440-38-2	ARSENIC, TOTAL	0.50	B		P	1	0.67	0.26
7440-39-3	BARIUM, TOTAL	6.4			P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.06	B		P	1	0.84	0.03
7440-70-2	CALCIUM, TOTAL	320000			P	10	42	2.64
7440-47-3	CHROMIUM, TOTAL	1.8			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.08	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	2.7			P	1	2.1	0.07
7439-89-6	IRON, TOTAL	196			P	1	8.4	0.90
7439-92-1	LEAD, TOTAL	4.4		N*	P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	1160			P	1	4.2	0.63
7439-96-5	MANGANESE, TOTAL	3.4			P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.04		N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	0.61	B		P	1	3.4	0.07
7440-09-7	POTASSIUM, TOTAL	96.9			P	1	84	20.08
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.84	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	1200			P	1	84	1.61
7440-28-0	THALLIUM, TOTAL	0.37	B		P	1	1.3	0.34
7440-31-5	TIN, TOTAL	2.4	B		P	1	8.4	0.15
7440-62-2	VANADIUM, TOTAL	1.1	B		P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	4.6			P	1	2.1	0.02

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:** C03V-01C-24-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 92.9 **Lab Sample ID:** WU2426-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	62.1			P	1	26	1.62
7440-36-0	ANTIMONY, TOTAL	0.21	U		P	1	0.71	0.21
7440-38-2	ARSENIC, TOTAL	0.56	B		P	1	0.71	0.27
7440-39-3	BARIUM, TOTAL	5.5			P	1	0.44	0.02
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.44	0.02
7440-43-9	CADMIUM, TOTAL	0.08	B		P	1	0.88	0.03
7440-70-2	CALCIUM, TOTAL	313000			P	10	44	2.76
7440-47-3	CHROMIUM, TOTAL	1.7			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.16	B		P	1	2.6	0.06
7440-50-8	COPPER, TOTAL	1.3	B		P	1	2.2	0.08
7439-89-6	IRON, TOTAL	65.5			P	1	8.8	0.94
7439-92-1	LEAD, TOTAL	1.3		N*	P	1	0.44	0.15
7439-95-4	MAGNESIUM, TOTAL	1080			P	1	4.4	0.66
7439-96-5	MANGANESE, TOTAL	3.3			P	1	0.44	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.030	0.01
7440-02-0	NICKEL, TOTAL	0.56	B		P	1	3.5	0.08
7440-09-7	POTASSIUM, TOTAL	21.01	U		P	1	88	21.01
7782-49-2	SELENIUM, TOTAL	0.33	U		P	1	0.88	0.33
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	1140			P	1	88	1.69
7440-28-0	THALLIUM, TOTAL	0.36	U		P	1	1.3	0.36
7440-31-5	TIN, TOTAL	2.6	B		P	1	8.8	0.16
7440-62-2	VANADIUM, TOTAL	1.6	B		P	1	2.2	0.07
7440-66-6	ZINC, TOTAL	0.87	B		P	1	2.2	0.02

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:** C03V-01WS-06-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 92.6 **Lab Sample ID:** WU2426-010

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	122			P	1	23	1.43
7440-36-0	ANTIMONY, TOTAL	0.88			P	1	0.62	0.18
7440-38-2	ARSENIC, TOTAL	0.65			P	1	0.62	0.24
7440-39-3	BARIUM, TOTAL	13.6			P	1	0.39	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.39	0.02
7440-43-9	CADMIUM, TOTAL	0.35	B		P	1	0.78	0.02
7440-70-2	CALCIUM, TOTAL	354000			P	10	39	2.45
7440-47-3	CHROMIUM, TOTAL	4.1			P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.21	B		P	1	2.3	0.05
7440-50-8	COPPER, TOTAL	28.4			P	1	2.0	0.07
7439-89-6	IRON, TOTAL	1320			P	1	7.8	0.84
7439-92-1	LEAD, TOTAL	102		N*	P	1	0.39	0.13
7439-95-4	MAGNESIUM, TOTAL	858			P	1	3.9	0.59
7439-96-5	MANGANESE, TOTAL	11.0			P	1	0.39	0.01
7439-97-6	MERCURY, TOTAL	0.04		N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	2.0	B		P	1	3.1	0.07
7440-09-7	POTASSIUM, TOTAL	36.0	B		P	1	78	18.62
7782-49-2	SELENIUM, TOTAL	0.29	U		P	1	0.78	0.29
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.2	0.05
7440-23-5	SODIUM, TOTAL	1260			P	1	78	1.49
7440-28-0	THALLIUM, TOTAL	0.34	B		P	1	1.2	0.32
7440-31-5	TIN, TOTAL	5.2	B		P	1	7.8	0.14
7440-62-2	VANADIUM, TOTAL	2.4			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	57.2			P	1	2.0	0.02

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:** C03V-01WS-12-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 94.0 **Lab Sample ID:** WU2426-011

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	62.4			P	1	24	1.50
7440-36-0	ANTIMONY, TOTAL	0.19	U		P	1	0.65	0.19
7440-38-2	ARSENIC, TOTAL	0.46	B		P	1	0.65	0.25
7440-39-3	BARIUM, TOTAL	5.9			P	1	0.41	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.41	0.02
7440-43-9	CADMIUM, TOTAL	0.06	B		P	1	0.82	0.02
7440-70-2	CALCIUM, TOTAL	379000			P	10	41	2.56
7440-47-3	CHROMIUM, TOTAL	1.4			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.08	B		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	1.4	B		P	1	2.0	0.07
7439-89-6	IRON, TOTAL	98.2			P	1	8.2	0.88
7439-92-1	LEAD, TOTAL	0.86		N*	P	1	0.41	0.14
7439-95-4	MAGNESIUM, TOTAL	1020			P	1	4.1	0.62
7439-96-5	MANGANESE, TOTAL	2.4			P	1	0.41	0.01
7439-97-6	MERCURY, TOTAL	0.01	B	N	CV	1	0.027	0.01
7440-02-0	NICKEL, TOTAL	0.50	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	19.48	U		P	1	82	19.48
7782-49-2	SELENIUM, TOTAL	0.30	U		P	1	0.82	0.30
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	1390			P	1	82	1.56
7440-28-0	THALLIUM, TOTAL	0.33	U		P	1	1.2	0.33
7440-31-5	TIN, TOTAL	2.1	B		P	1	8.2	0.15
7440-62-2	VANADIUM, TOTAL	0.97	B		P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	1.2	B		P	1	2.0	0.02

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:** C03V-01WS-24-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 92.2 **Lab Sample ID:** WU2426-012

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	78.5			P	1	24	1.45
7440-36-0	ANTIMONY, TOTAL	0.19	U		P	1	0.63	0.19
7440-38-2	ARSENIC, TOTAL	0.42	B		P	1	0.63	0.24
7440-39-3	BARIUM, TOTAL	6.2			P	1	0.40	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	B		P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.05	B		P	1	0.79	0.02
7440-70-2	CALCIUM, TOTAL	378000			P	10	40	2.48
7440-47-3	CHROMIUM, TOTAL	2.0			P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.05	U		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	1.7	B		P	1	2.0	0.07
7439-89-6	IRON, TOTAL	65.6			P	1	7.9	0.85
7439-92-1	LEAD, TOTAL	27.9		N*	P	1	0.40	0.13
7439-95-4	MAGNESIUM, TOTAL	1170			P	1	4.0	0.60
7439-96-5	MANGANESE, TOTAL	2.8			P	1	0.40	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	0.58	B		P	1	3.2	0.07
7440-09-7	POTASSIUM, TOTAL	50.9	B		P	1	79	18.84
7782-49-2	SELENIUM, TOTAL	0.29	U		P	1	0.79	0.29
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	1190			P	1	79	1.51
7440-28-0	THALLIUM, TOTAL	0.32	U		P	1	1.2	0.32
7440-31-5	TIN, TOTAL	2.2	B		P	1	7.9	0.14
7440-62-2	VANADIUM, TOTAL	0.96	B		P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	6.0			P	1	2.0	0.02

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:** C03V-02C-06-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 93.5 **Lab Sample ID:** WU2426-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	781			P	1	25	1.51
7440-36-0	ANTIMONY, TOTAL	0.34	B		P	1	0.66	0.19
7440-38-2	ARSENIC, TOTAL	0.99			P	1	0.66	0.25
7440-39-3	BARIUM, TOTAL	7.9			P	1	0.41	0.01
7440-41-7	BERYLLIUM, TOTAL	0.09	B		P	1	0.41	0.02
7440-43-9	CADMIUM, TOTAL	0.15	B		P	1	0.82	0.02
7440-70-2	CALCIUM, TOTAL	208000			P	10	41	2.57
7440-47-3	CHROMIUM, TOTAL	6.1			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.28	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	8.6			P	1	2.0	0.07
7439-89-6	IRON, TOTAL	698			P	1	8.2	0.88
7439-92-1	LEAD, TOTAL	26.7		N*	P	1	0.41	0.14
7439-95-4	MAGNESIUM, TOTAL	1700			P	1	4.1	0.62
7439-96-5	MANGANESE, TOTAL	23.8			P	1	0.41	0.01
7439-97-6	MERCURY, TOTAL	0.05		N	CV	1	0.030	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	72.5	B		P	1	82	19.58
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.82	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	264			P	1	82	1.57
7440-28-0	THALLIUM, TOTAL	0.34	U		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	2.4	B		P	1	8.2	0.15
7440-62-2	VANADIUM, TOTAL	5.6			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	14.4			P	1	2.0	0.02

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:** C03V-02C-12-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 91.2 **Lab Sample ID:** WU2426-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	831			P	1	22	1.36
7440-36-0	ANTIMONY, TOTAL	0.26	B		P	1	0.59	0.17
7440-38-2	ARSENIC, TOTAL	1.2			P	1	0.59	0.22
7440-39-3	BARIUM, TOTAL	6.2			P	1	0.37	0.01
7440-41-7	BERYLLIUM, TOTAL	0.11	B		P	1	0.37	0.02
7440-43-9	CADMIUM, TOTAL	0.11	B		P	1	0.74	0.02
7440-70-2	CALCIUM, TOTAL	219000			P	10	37	2.32
7440-47-3	CHROMIUM, TOTAL	5.9			P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.29	B		P	1	2.2	0.05
7440-50-8	COPPER, TOTAL	1.1	B		P	1	1.8	0.06
7439-89-6	IRON, TOTAL	602			P	1	7.4	0.79
7439-92-1	LEAD, TOTAL	0.96		N*	P	1	0.37	0.13
7439-95-4	MAGNESIUM, TOTAL	1760			P	1	3.7	0.56
7439-96-5	MANGANESE, TOTAL	24.2			P	1	0.37	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.030	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	3.0	0.06
7440-09-7	POTASSIUM, TOTAL	45.3	B		P	1	74	17.63
7782-49-2	SELENIUM, TOTAL	0.27	U		P	1	0.74	0.27
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.1	0.05
7440-23-5	SODIUM, TOTAL	256			P	1	74	1.41
7440-28-0	THALLIUM, TOTAL	0.30	U		P	1	1.1	0.30
7440-31-5	TIN, TOTAL	2.2	B		P	1	7.4	0.13
7440-62-2	VANADIUM, TOTAL	5.7			P	1	1.8	0.06
7440-66-6	ZINC, TOTAL	1.1	B		P	1	1.8	0.02

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:** C03V-02C-24-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 88.1 **Lab Sample ID:** WU2426-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	143			P	1	19	1.15
7440-36-0	ANTIMONY, TOTAL	0.15	U		P	1	0.50	0.15
7440-38-2	ARSENIC, TOTAL	0.29	B		P	1	0.50	0.19
7440-39-3	BARIUM, TOTAL	7.7			P	1	0.32	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.32	0.02
7440-43-9	CADMIUM, TOTAL	0.08	B		P	1	0.63	0.02
7440-70-2	CALCIUM, TOTAL	255000			P	10	32	1.97
7440-47-3	CHROMIUM, TOTAL	2.3			P	1	0.94	0.05
7440-48-4	COBALT, TOTAL	0.08	B		P	1	1.9	0.04
7440-50-8	COPPER, TOTAL	8.1			P	1	1.6	0.05
7439-89-6	IRON, TOTAL	417			P	1	6.3	0.67
7439-92-1	LEAD, TOTAL	15.1		N*	P	1	0.32	0.11
7439-95-4	MAGNESIUM, TOTAL	649			P	1	3.2	0.47
7439-96-5	MANGANESE, TOTAL	5.2			P	1	0.32	0.01
7439-97-6	MERCURY, TOTAL	0.57		N	CV	1	0.031	0.01
7440-02-0	NICKEL, TOTAL	0.58	B		P	1	2.5	0.05
7440-09-7	POTASSIUM, TOTAL	15.01	U		P	1	63	15.01
7782-49-2	SELENIUM, TOTAL	0.23	U		P	1	0.63	0.23
7440-22-4	SILVER, TOTAL	0.04	U		P	1	0.94	0.04
7440-23-5	SODIUM, TOTAL	869			P	1	63	1.20
7440-28-0	THALLIUM, TOTAL	0.26	U		P	1	0.94	0.26
7440-31-5	TIN, TOTAL	1.9	B		P	1	6.3	0.11
7440-62-2	VANADIUM, TOTAL	1.5	B		P	1	1.6	0.05
7440-66-6	ZINC, TOTAL	18.2			P	1	1.6	0.02

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:** C03V-02ES-06-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 94.8 **Lab Sample ID:** WU2426-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	846			P	1	18	1.08
7440-36-0	ANTIMONY, TOTAL	1.3			P	1	0.47	0.14
7440-38-2	ARSENIC, TOTAL	0.93			P	1	0.47	0.18
7440-39-3	BARIUM, TOTAL	7.4			P	1	0.29	0.01
7440-41-7	BERYLLIUM, TOTAL	0.09	B		P	1	0.29	0.01
7440-43-9	CADMIUM, TOTAL	0.16	B		P	1	0.59	0.02
7440-70-2	CALCIUM, TOTAL	233000			P	10	29	1.84
7440-47-3	CHROMIUM, TOTAL	5.6			P	1	0.88	0.05
7440-48-4	COBALT, TOTAL	0.24	B		P	1	1.8	0.04
7440-50-8	COPPER, TOTAL	65.5			P	1	1.5	0.05
7439-89-6	IRON, TOTAL	688			P	1	5.9	0.63
7439-92-1	LEAD, TOTAL	7170		N*	P	50	15	5.01
7439-95-4	MAGNESIUM, TOTAL	1900			P	1	2.9	0.44
7439-96-5	MANGANESE, TOTAL	25.1			P	1	0.29	0.01
7439-97-6	MERCURY, TOTAL	0.02	B	N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.4	B		P	1	2.4	0.05
7440-09-7	POTASSIUM, TOTAL	34.4	B		P	1	59	14.02
7782-49-2	SELENIUM, TOTAL	0.22	U		P	1	0.59	0.22
7440-22-4	SILVER, TOTAL	0.08	B		P	1	0.88	0.04
7440-23-5	SODIUM, TOTAL	255			P	1	59	1.13
7440-28-0	THALLIUM, TOTAL	0.56	B		P	1	0.88	0.24
7440-31-5	TIN, TOTAL	6.1			P	1	5.9	0.11
7440-62-2	VANADIUM, TOTAL	5.5			P	1	1.5	0.04
7440-66-6	ZINC, TOTAL	10.4			P	1	1.5	0.01

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:** C03V-02ES-12-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 95.2 **Lab Sample ID:** WU2426-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	768			P	1	20	1.20
7440-36-0	ANTIMONY, TOTAL	0.15	U		P	1	0.52	0.15
7440-38-2	ARSENIC, TOTAL	1.0			P	1	0.52	0.20
7440-39-3	BARIUM, TOTAL	6.1			P	1	0.33	0.01
7440-41-7	BERYLLIUM, TOTAL	0.09	B		P	1	0.33	0.02
7440-43-9	CADMIUM, TOTAL	0.08	B		P	1	0.66	0.02
7440-70-2	CALCIUM, TOTAL	234000			P	10	33	2.05
7440-47-3	CHROMIUM, TOTAL	5.6			P	1	0.98	0.05
7440-48-4	COBALT, TOTAL	0.22	B		P	1	2.0	0.04
7440-50-8	COPPER, TOTAL	1.2	B		P	1	1.6	0.06
7439-89-6	IRON, TOTAL	603			P	1	6.6	0.70
7439-92-1	LEAD, TOTAL	1.3		N*	P	1	0.33	0.11
7439-95-4	MAGNESIUM, TOTAL	1900			P	1	3.3	0.49
7439-96-5	MANGANESE, TOTAL	24.6			P	1	0.33	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.026	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	2.6	0.06
7440-09-7	POTASSIUM, TOTAL	74.7			P	1	66	15.62
7782-49-2	SELENIUM, TOTAL	0.24	U		P	1	0.66	0.24
7440-22-4	SILVER, TOTAL	0.05	U		P	1	0.98	0.05
7440-23-5	SODIUM, TOTAL	243			P	1	66	1.25
7440-28-0	THALLIUM, TOTAL	0.32	B		P	1	0.98	0.27
7440-31-5	TIN, TOTAL	1.8	B		P	1	6.6	0.12
7440-62-2	VANADIUM, TOTAL	5.4			P	1	1.6	0.05
7440-66-6	ZINC, TOTAL	1.2	B		P	1	1.6	0.02

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:** C03V-02ES-24-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 94.6 **Lab Sample ID:** WU2426-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	756			P	1	22	1.36
7440-36-0	ANTIMONY, TOTAL	0.22	B		P	1	0.60	0.17
7440-38-2	ARSENIC, TOTAL	1.0			P	1	0.60	0.23
7440-39-3	BARIUM, TOTAL	6.2			P	1	0.37	0.01
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.37	0.02
7440-43-9	CADMIUM, TOTAL	0.1	B		P	1	0.74	0.02
7440-70-2	CALCIUM, TOTAL	226000			P	10	37	2.33
7440-47-3	CHROMIUM, TOTAL	5.5			P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.25	B		P	1	2.2	0.05
7440-50-8	COPPER, TOTAL	1.6	B		P	1	1.9	0.06
7439-89-6	IRON, TOTAL	594			P	1	7.4	0.80
7439-92-1	LEAD, TOTAL	0.60		N*	P	1	0.37	0.13
7439-95-4	MAGNESIUM, TOTAL	1900			P	1	3.7	0.56
7439-96-5	MANGANESE, TOTAL	24.4			P	1	0.37	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.0	0.06
7440-09-7	POTASSIUM, TOTAL	193			P	1	74	17.72
7782-49-2	SELENIUM, TOTAL	0.28	U		P	1	0.74	0.28
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.1	0.05
7440-23-5	SODIUM, TOTAL	233			P	1	74	1.42
7440-28-0	THALLIUM, TOTAL	0.30	B		P	1	1.1	0.30
7440-31-5	TIN, TOTAL	2.0	B		P	1	7.4	0.13
7440-62-2	VANADIUM, TOTAL	5.4			P	1	1.9	0.06
7440-66-6	ZINC, TOTAL	1.2	B		P	1	1.9	0.02

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:** C03V-09C-06-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 93.8 **Lab Sample ID:** WU2426-013

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	750			P	1	24	1.50
7440-36-0	ANTIMONY, TOTAL	0.28	B		P	1	0.66	0.19
7440-38-2	ARSENIC, TOTAL	0.92			P	1	0.66	0.25
7440-39-3	BARIUM, TOTAL	6.4			P	1	0.41	0.01
7440-41-7	BERYLLIUM, TOTAL	0.07	B		P	1	0.41	0.02
7440-43-9	CADMIUM, TOTAL	0.14	B		P	1	0.82	0.02
7440-70-2	CALCIUM, TOTAL	214000			P	10	41	2.57
7440-47-3	CHROMIUM, TOTAL	5.9			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.26	B		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	2.5			P	1	2.0	0.07
7439-89-6	IRON, TOTAL	669			P	1	8.2	0.88
7439-92-1	LEAD, TOTAL	26.0		N*	P	1	0.41	0.14
7439-95-4	MAGNESIUM, TOTAL	1790			P	1	4.1	0.62
7439-96-5	MANGANESE, TOTAL	24.1			P	1	0.41	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	19.7	B		P	1	82	19.51
7782-49-2	SELENIUM, TOTAL	0.30	U		P	1	0.82	0.30
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	241			P	1	82	1.57
7440-28-0	THALLIUM, TOTAL	0.34	U		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	2.4	B		P	1	8.2	0.15
7440-62-2	VANADIUM, TOTAL	5.4			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	3.7			P	1	2.0	0.02

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:** C03V-09C-12-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 92.6 **Lab Sample ID:** WU2426-014

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	735			P	1	24	1.47
7440-36-0	ANTIMONY, TOTAL	0.32	B		P	1	0.64	0.19
7440-38-2	ARSENIC, TOTAL	0.97			P	1	0.64	0.24
7440-39-3	BARIUM, TOTAL	5.8			P	1	0.40	0.01
7440-41-7	BERYLLIUM, TOTAL	0.07	B		P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.08	B		P	1	0.80	0.02
7440-70-2	CALCIUM, TOTAL	203000			P	10	40	2.52
7440-47-3	CHROMIUM, TOTAL	5.6			P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.27	B		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	1.4	B		P	1	2.0	0.07
7439-89-6	IRON, TOTAL	528			P	1	8.0	0.86
7439-92-1	LEAD, TOTAL	0.98		N*	P	1	0.40	0.14
7439-95-4	MAGNESIUM, TOTAL	1650			P	1	4.0	0.61
7439-96-5	MANGANESE, TOTAL	22.2			P	1	0.40	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.024	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.2	0.07
7440-09-7	POTASSIUM, TOTAL	58.4	B		P	1	80	19.18
7782-49-2	SELENIUM, TOTAL	0.30	U		P	1	0.80	0.30
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	259			P	1	80	1.54
7440-28-0	THALLIUM, TOTAL	0.33	U		P	1	1.2	0.33
7440-31-5	TIN, TOTAL	2.2	B		P	1	8.0	0.14
7440-62-2	VANADIUM, TOTAL	5.4			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	1.3	B		P	1	2.0	0.02

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:** C03V-09C-24-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 76.1 **Lab Sample ID:** WU2426-015

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	878			P	1	25	1.51
7440-36-0	ANTIMONY, TOTAL	0.26	B		P	1	0.66	0.19
7440-38-2	ARSENIC, TOTAL	1.1			P	1	0.66	0.25
7440-39-3	BARIUM, TOTAL	7.1			P	1	0.41	0.01
7440-41-7	BERYLLIUM, TOTAL	0.11	B		P	1	0.41	0.02
7440-43-9	CADMIUM, TOTAL	0.14	B		P	1	0.83	0.02
7440-70-2	CALCIUM, TOTAL	267000			P	10	41	2.59
7440-47-3	CHROMIUM, TOTAL	6.5			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.29	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	1.9	B		P	1	2.1	0.07
7439-89-6	IRON, TOTAL	685			P	1	8.3	0.88
7439-92-1	LEAD, TOTAL	27.6		N*	P	1	0.41	0.14
7439-95-4	MAGNESIUM, TOTAL	2080			P	1	4.1	0.62
7439-96-5	MANGANESE, TOTAL	27.7			P	1	0.41	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.043	0.01
7440-02-0	NICKEL, TOTAL	1.3	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	50.2	B		P	1	83	19.67
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.83	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	321			P	1	83	1.58
7440-28-0	THALLIUM, TOTAL	0.45	B		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	2.3	B		P	1	8.3	0.15
7440-62-2	VANADIUM, TOTAL	6.3			P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	3.6			P	1	2.1	0.02

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:** C03V-13C-06-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 95.2 **Lab Sample ID:** WU2426-016

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	257			P	1	26	1.60
7440-36-0	ANTIMONY, TOTAL	39.6			P	1	0.70	0.20
7440-38-2	ARSENIC, TOTAL	1.5			P	1	0.70	0.27
7440-39-3	BARIUM, TOTAL	13.6			P	1	0.44	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.44	0.02
7440-43-9	CADMIUM, TOTAL	0.82	B		P	1	0.87	0.03
7440-70-2	CALCIUM, TOTAL	295000			P	10	44	2.74
7440-47-3	CHROMIUM, TOTAL	11.4			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.52	B		P	1	2.6	0.06
7440-50-8	COPPER, TOTAL	25.7			P	1	2.2	0.08
7439-89-6	IRON, TOTAL	3570			P	1	8.7	0.94
7439-92-1	LEAD, TOTAL	1450		N*	P	10	4.4	1.49
7439-95-4	MAGNESIUM, TOTAL	1260			P	1	4.4	0.66
7439-96-5	MANGANESE, TOTAL	23.2			P	1	0.44	0.01
7439-97-6	MERCURY, TOTAL	0.02	B	N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	10.8			P	1	3.5	0.07
7440-09-7	POTASSIUM, TOTAL	27.5	B		P	1	87	20.82
7782-49-2	SELENIUM, TOTAL	0.32	U		P	1	0.87	0.32
7440-22-4	SILVER, TOTAL	2.4			P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	958			P	1	87	1.67
7440-28-0	THALLIUM, TOTAL	0.36	U		P	1	1.3	0.36
7440-31-5	TIN, TOTAL	4.7	B		P	1	8.7	0.16
7440-62-2	VANADIUM, TOTAL	2.7			P	1	2.2	0.07
7440-66-6	ZINC, TOTAL	71.4			P	1	2.2	0.02

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:** C03V-13C-12-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 90.5 **Lab Sample ID:** WU2426-017

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	45.2			P	1	21	1.30
7440-36-0	ANTIMONY, TOTAL	0.97			P	1	0.57	0.17
7440-38-2	ARSENIC, TOTAL	0.42	B		P	1	0.57	0.22
7440-39-3	BARIUM, TOTAL	5.5			P	1	0.36	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.36	0.02
7440-43-9	CADMIUM, TOTAL	0.06	B		P	1	0.71	0.02
7440-70-2	CALCIUM, TOTAL	299000			P	10	36	2.23
7440-47-3	CHROMIUM, TOTAL	1.5			P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.06	B		P	1	2.1	0.05
7440-50-8	COPPER, TOTAL	1.4	B		P	1	1.8	0.06
7439-89-6	IRON, TOTAL	75.5			P	1	7.1	0.76
7439-92-1	LEAD, TOTAL	15.5		N*	P	1	0.36	0.12
7439-95-4	MAGNESIUM, TOTAL	730			P	1	3.6	0.54
7439-96-5	MANGANESE, TOTAL	1.7			P	1	0.36	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.033	0.01
7440-02-0	NICKEL, TOTAL	0.47	B		P	1	2.8	0.06
7440-09-7	POTASSIUM, TOTAL	39.4	B		P	1	71	16.97
7782-49-2	SELENIUM, TOTAL	0.26	U		P	1	0.71	0.26
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.1	0.05
7440-23-5	SODIUM, TOTAL	1200			P	1	71	1.36
7440-28-0	THALLIUM, TOTAL	0.29	U		P	1	1.1	0.29
7440-31-5	TIN, TOTAL	1.9	B		P	1	7.1	0.13
7440-62-2	VANADIUM, TOTAL	1.0	B		P	1	1.8	0.05
7440-66-6	ZINC, TOTAL	1.9			P	1	1.8	0.02

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:** C03V-13C-24-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 89.6 **Lab Sample ID:** WU2426-018

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	37.9			P	1	25	1.52
7440-36-0	ANTIMONY, TOTAL	0.19	U		P	1	0.67	0.19
7440-38-2	ARSENIC, TOTAL	0.48	B		P	1	0.67	0.25
7440-39-3	BARIUM, TOTAL	6.3			P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.05	B		P	1	0.83	0.02
7440-70-2	CALCIUM, TOTAL	292000			P	10	42	2.61
7440-47-3	CHROMIUM, TOTAL	1.4			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.08	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	1.3	B		P	1	2.1	0.07
7439-89-6	IRON, TOTAL	61.4			P	1	8.3	0.89
7439-92-1	LEAD, TOTAL	5.8		N*	P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	618			P	1	4.2	0.63
7439-96-5	MANGANESE, TOTAL	1.1			P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.022	0.01
7440-02-0	NICKEL, TOTAL	0.53	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	19.83	U		P	1	83	19.83
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.83	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	1310			P	1	83	1.59
7440-28-0	THALLIUM, TOTAL	0.34	U		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	2.6	B		P	1	8.3	0.15
7440-62-2	VANADIUM, TOTAL	1.1	B		P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	1.4	B		P	1	2.1	0.02

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:** C03V-14C-06-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 94.8 **Lab Sample ID:** WU2426-019

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	740			P	1	23	1.39
7440-36-0	ANTIMONY, TOTAL	0.19	B		P	1	0.61	0.18
7440-38-2	ARSENIC, TOTAL	0.98			P	1	0.61	0.23
7440-39-3	BARIUM, TOTAL	6.4			P	1	0.38	0.01
7440-41-7	BERYLLIUM, TOTAL	0.07	B		P	1	0.38	0.02
7440-43-9	CADMIUM, TOTAL	0.14	B		P	1	0.76	0.02
7440-70-2	CALCIUM, TOTAL	219000			P	10	38	2.37
7440-47-3	CHROMIUM, TOTAL	5.8			P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.22	B		P	1	2.3	0.05
7440-50-8	COPPER, TOTAL	2.3			P	1	1.9	0.07
7439-89-6	IRON, TOTAL	673			P	1	7.6	0.81
7439-92-1	LEAD, TOTAL	11.6		N*	P	1	0.38	0.13
7439-95-4	MAGNESIUM, TOTAL	1830			P	1	3.8	0.57
7439-96-5	MANGANESE, TOTAL	24.6			P	1	0.38	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.025	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	3.0	0.06
7440-09-7	POTASSIUM, TOTAL	86.2			P	1	76	18.06
7782-49-2	SELENIUM, TOTAL	0.28	U		P	1	0.76	0.28
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.1	0.05
7440-23-5	SODIUM, TOTAL	241			P	1	76	1.45
7440-28-0	THALLIUM, TOTAL	0.31	U		P	1	1.1	0.31
7440-31-5	TIN, TOTAL	2.0	B		P	1	7.6	0.14
7440-62-2	VANADIUM, TOTAL	5.4			P	1	1.9	0.06
7440-66-6	ZINC, TOTAL	3.9			P	1	1.9	0.02

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:** C03V-14C-12-0804

Matrix: SOIL **SDG Name:** CTO351-6

Percent Solids: 92.5 **Lab Sample ID:** WU2426-020

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	805			P	1	20	1.25
7440-36-0	ANTIMONY, TOTAL	0.29	B		P	1	0.55	0.16
7440-38-2	ARSENIC, TOTAL	0.94			P	1	0.55	0.21
7440-39-3	BARIUM, TOTAL	6.2			P	1	0.34	0.01
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.34	0.02
7440-43-9	CADMIUM, TOTAL	0.11	B		P	1	0.68	0.02
7440-70-2	CALCIUM, TOTAL	220000			P	10	34	2.14
7440-47-3	CHROMIUM, TOTAL	5.6			P	1	1.0	0.05
7440-48-4	COBALT, TOTAL	0.27	B		P	1	2.0	0.04
7440-50-8	COPPER, TOTAL	1.6	B		P	1	1.7	0.06
7439-89-6	IRON, TOTAL	577			P	1	6.8	0.73
7439-92-1	LEAD, TOTAL	9.9		N*	P	1	0.34	0.12
7439-95-4	MAGNESIUM, TOTAL	1810			P	1	3.4	0.51
7439-96-5	MANGANESE, TOTAL	24.0			P	1	0.34	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.034	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	2.7	0.06
7440-09-7	POTASSIUM, TOTAL	124			P	1	68	16.29
7782-49-2	SELENIUM, TOTAL	0.25	U		P	1	0.68	0.25
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.0	0.05
7440-23-5	SODIUM, TOTAL	220			P	1	68	1.31
7440-28-0	THALLIUM, TOTAL	0.28	U		P	1	1.0	0.28
7440-31-5	TIN, TOTAL	1.9	B		P	1	6.8	0.12
7440-62-2	VANADIUM, TOTAL	5.5			P	1	1.7	0.05
7440-66-6	ZINC, TOTAL	1.9			P	1	1.7	0.02

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-7
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-01C-06-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	96. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-8
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-01C-12-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	91. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-9
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-01C-24-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-10
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-01WS-06-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-11
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-01WS-12-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

)40 County Road No. 5
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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-12
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-01WS-24-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	92. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-4
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-02C-06-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-5
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943·
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-02C-12-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	91. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-6
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-02C-24-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	88. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

340 County Road No. 5
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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-1
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-02ES-06-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	95. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

:40 County Road No. 5
'.O. Box 720, Westbrook, ME 04098
'el:(207) 874-2400 Fax:(207) 775-4029

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-2
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-02ES-12-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	95. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-3
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-02ES-24-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-13
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-09C-06-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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'.O. Box 720, Westbrook, ME 04098
'el:(207) 874-2400 Fax:(207) 775-4029

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-14
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-09C-12-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-15
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-09C-24-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	76. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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P.O. Box 720, Westbrook, ME 04098
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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-16
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-13C-06-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	95. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-17
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-13C-12-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	90. %	.1	CLP SOW 788	WG9130	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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'.O. Box 720, Westbrook, ME 04098
'el:(207) 874-2400 Fax:(207) 775-4029

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-18
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-13C-24-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	90. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-19
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-14C-06-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	95. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2426-20
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS Key West
SDG: CTO351-6

Sample Description	Matrix	Date Sampled	Date Received
C03V-14C-12-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	92. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG 3516

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-14C-06-0804	WU2426-019	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-14C-12-0804	WU2426-020	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-13C-24-0804	WU2426-018	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-13C-12-0804	WU2426-017	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-13C-06-0804	WU2426-016	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-09C-24-0804	WU2426-015	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-09C-12-0804	WU2426-014	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-09C-06-0804	WU2426-013	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02ES-24-0804	WU2426-003	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02ES-12-0804	WU2426-002	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-01C-12-0804	WU2426-008	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02C-24-0804	WU2426-006	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02C-12-0804	WU2426-005	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02C-06-0804	WU2426-004	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-01WS-24-0804	WU2426-012	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-01WS-12-0804	WU2426-011	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-01WS-06-0804	WU2426-010	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-01C-24-0804	WU2426-009	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-01C-06-0804	WU2426-007	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-02ES-06-0804	WU2426-001	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-09C-12-0804	WU2426-014	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-09C-12-0804	WU2426-014	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-09C-06-0804	WU2426-013	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-09C-06-0804	WU2426-013	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02ES-24-0804	WU2426-003	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-09C-24-0804	WU2426-015	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02ES-12-0804	WU2426-002	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-13C-24-0804	WU2426-018	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02ES-24-0804	WU2426-003	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-09C-24-0804	WU2426-015	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-13C-06-0804	WU2426-016	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-13C-06-0804	WU2426-016	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-13C-12-0804	WU2426-017	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-13C-24-0804	WU2426-018	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-14C-06-0804	WU2426-019	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-14C-06-0804	WU2426-019	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02ES-12-0804	WU2426-002	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01WS-12-0804	WU2426-011	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-13C-12-0804	WU2426-017	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-01WS-24-0804	WU2426-012	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01C-06-0804	WU2426-007	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01C-06-0804	WU2426-007	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-01C-12-0804	WU2426-008	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01C-12-0804	WU2426-008	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-01C-24-0804	WU2426-009	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01C-24-0804	WU2426-009	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-01WS-06-0804	WU2426-010	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01WS-06-0804	WU2426-010	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-01WS-24-0804	WU2426-012	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-14C-12-0804	WU2426-020	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02ES-06-0804	WU2426-001	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-14C-12-0804	WU2426-020	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02C-06-0804	WU2426-004	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02C-06-0804	WU2426-004	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02C-12-0804	WU2426-005	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02C-12-0804	WU2426-005	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02C-24-0804	WU2426-006	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-02C-24-0804	WU2426-006	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-02ES-06-0804	WU2426-001	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-01WS-12-0804	WU2426-011	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
TS	%	C03V-02ES-06-0804	WU2426-1	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01C-06-0804	WU2426-7	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-13C-12-0804	WU2426-17	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-13C-06-0804	WU2426-16	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-09C-24-0804	WU2426-15	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-09C-12-0804	WU2426-14	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-09C-06-0804	WU2426-13	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-02ES-24-0804	WU2426-3	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-13C-24-0804	WU2426-18	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	C03V-14C-12-0804	WU2426-20	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-14C-06-0804	WU2426-19	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-02C-24-0804	WU2426-6	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-02C-12-0804	WU2426-5	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-02C-06-0804	WU2426-4	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01WS-24-0804	WU2426-12	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01WS-12-0804	WU2426-11	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01WS-06-0804	WU2426-10	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01C-24-0804	WU2426-9	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-01C-12-0804	WU2426-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-02ES-12-0804	WU2426-2	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-02ES-12-0804	WU2426-2	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-01C-12-0804	WU2426-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-01C-24-0804	WU2426-9	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-01WS-06-0804	WU2426-10	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-01WS-12-0804	WU2426-11	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-01WS-24-0804	WU2426-12	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-02C-06-0804	WU2426-4	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-02C-12-0804	WU2426-5	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-02C-24-0804	WU2426-6	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-14C-12-0804	WU2426-20	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-02ES-06-0804	WU2426-1	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-02ES-24-0804	WU2426-3	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-09C-06-0804	WU2426-13	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-09C-12-0804	WU2426-14	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-09C-24-0804	WU2426-15	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-13C-06-0804	WU2426-16RA	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-13C-12-0804	WU2426-17	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-13C-24-0804	WU2426-18	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-14C-06-0804	WU2426-19	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-01C-06-0804	WU2426-7RA	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-02ES-06-0804	WU2426-1	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-02ES-12-0804	WU2426-2	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-01C-06-0804	WU2426-7RA	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-01C-12-0804	WU2426-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-01C-24-0804	WU2426-9	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-01WS-06-0804	WU2426-10	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-01WS-12-0804	WU2426-11	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-01WS-24-0804	WU2426-12	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-02C-06-0804	WU2426-4	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-02ES-24-0804	WU2426-3	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-02C-24-0804	WU2426-6	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-14C-12-0804	WU2426-20	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-09C-06-0804	WU2426-13	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-09C-12-0804	WU2426-14	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-09C-24-0804	WU2426-15	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-13C-06-0804	WU2426-16RA	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-13C-12-0804	WU2426-17	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-13C-24-0804	WU2426-18	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-14C-06-0804	WU2426-19	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-02C-12-0804	WU2426-5	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
T & NUS	CHUCK	(305) 360-1548	(803) 642-8454

Address: ~~186 ROLLING RD~~ 900 TRAIL RIDGE RD City: AIKEN State: SC Zip Code: 29803

Purchase Order #: Proj. Name / No.: N0693 Katahdin Quote #:

Bill (if different than above): Address:

Sampler (Print / Sign): CHUCK BRYAN / [signature] Copies To:

LAB USE ONLY WORK ORDER #: WU2426

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	~~TAL Metals~~ ~~TCL PCB 1x 8oz~~	TAL Metals, TCL PCB 1x 8oz jar / NA
	C03V-02ES-06-0804	9Aug04/1530	SO	1		✓
	C03V-02ES-12-0804	9Aug04/~~1535~~ 1530	SO	1		✓
	C03V-02ES-24-0804	9Aug04/~~1542~~ 1530	SO	1		✓
	C03V-02C-06-0804	9-8-04/1535				✓
	C03V-02C-12-0804	9-8-04/1535				✓
	C03V-02C-24-0804	9-8-04/1535				✓
	C03V-01C-06-0804	9-8-04/1542				✓
	C03V-01C-12-0804	9-8-04/1542				✓
	C03V-01C-24-0804	/1542				✓
	C03V-01WS-06-0804	/1552				✓
	C03V-01WS-12-0804	/1552				✓
	C03V-01WS-24-0804	/1552				✓
	C03V-09C-06-0804	/1600				✓
	C03V-09C-12-0804	/1600				✓
	C03V-09C-24-0804	/1600				✓
	C03V-13C-06-0804	/1608				✓

COMMENTS

24-HR TAT ON ALL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	8-9-04/1728	[signature]			
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

Client: TENUS
Contact: CHUCK BRYAN
Phone #: (305) 360-1548
Fax #: (803) 642-8454
Address: 900 TRAILRIDGE RD
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): CHUCK BRYAN / [signature]
Copies To:

LAB USE ONLY
WORK ORDER #: WU2424, WU2427
KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N: TAL METALS	Filt. ☐Y ☐N: TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-13C-12-0804	9-8-04/1608	SOIL	1	✓									
	C03V-13C-24-0804	9-8-04/1608			✓									
	C03V-14C-06-0804	/1615			✓									
	C03V-14C-12-0804	/1615			✓									
	C03V-14C-24-0804	/1615												
	C03V-15EN-06-0804	/1630												
	C03V-15EN-12-0804	/1630												
	C03V-15EN-24-0804	/1630												
	C03V-15C-06-0804	/1623												
	C03V-15C-12-0804	/1623												
	C03V 15C-24-0804	/1623												
	C03V-16SW-06-0804	/1640												
	C03V-16SW-12-0804	/1641												
	C03V-16SW-24-0804	/1642												
	C03V-10F-48-0804	/1645												
	C03V-9C-0804MS	/1700												

COMMENTS

24-HR TAT ON ALL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	8-9-04 1728	[signature] Fri 8/10/04 0836			
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

Client: T+NUS
Contact: CHUCK BRYAN
Phone #: (305)360-1548
Fax #: (803)642-8454
Address: 900 TRAIL RIDGE RD.
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): CHUCK BRYAN
Copies To:

LAB USE ONLY
WORK ORDER #: ~~WW2427~~ 8/10 WW2427
KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL METAL	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-9C-0804MSD	8/04/1700	SOIL	1	✓	✓								
		/												
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COMMENTS

24-TAT ON ALL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	8/04 1728	8/05/09 0836			
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, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # LM 2426

PAGE: 1 OF 1

COOLER: 1 OF 1

CLIENT: Tetra Tech

COC#
SDG#
DATE / TIME RECEIVED: 8/10/04 0836
DELIVERED BY: FedEx
RECEIVED BY: DS
LIMS ENTRY BY: DS
LIMS REVIEW BY / PM: TCT

PROJECT:

	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)=	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT Y or N?	☑	☐	☐	COOLER TEMP (°C) = 3.3 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): * 2 sample containers marked "C03V-02C-12-0804" with time of 15:35. Covers marked "...02C-12..." and "...02C-24..." assumed color labels were correct. TCT 8/10/04

(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.

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Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST; SDG: CTO351-6
WU2426
TASK ORDER MANAGER: CHARLES BRYAN

Sample Receipt

The following samples were received on August 10, 2004 and were logged in under Katahdin Analytical Services work order number WU2426 for a hardcopy due date of September 5, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2426-1	C03V-02ES-06-0804
WU2426-2	C03V-02ES-12-0804
WU2426-3	C03V-02ES-24-0804
WU2426-4	C03V-02C-06-0804
WU2426-5	C03V-02C-12-0804
WU2426-6	C03V-02C-24-0804
WU2426-7	C03V-01C-06-0804
WU2426-8	C03V-01C-12-0804
WU2426-9	C03V-01C-24-0804
WU2426-10	C03V-01WS-06-0804
WU2426-11	C03V-01WS-12-0804
WU2426-12	C03V-01WS-24-0804
WU2426-13	C03V-09C-06-0804
WU2426-14	C03V-09C-12-0804
WU2426-15	C03V-09C-24-0804
WU2426-16	C03V-13C-06-0804
WU2426-17	C03V-13C-12-0804
WU2426-18	C03V-13C-24-0804
WU2426-19	C03V-14C-06-0804
WU2426-20	C03V-14C-12-0804

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

The samples of SDG CTO351-6 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

Sample WU2426-18 had a high recovery for the extraction surrogate DCB on channel B, which was outside of the laboratory established acceptance limits. Since the recovery for DCB was within the acceptance limits on channel A and TCX on both channels, the sample was not reanalyzed.

Samples WU2426-2 and 5, had low recoveries for the extraction surrogate DCB, which were outside of the laboratory established acceptance limits. Since the recoveries for other surrogate, TCX, were within the acceptance limits, the samples were not reanalyzed.

Samples WU2426-8 and 16RA had high recoveries for the extraction surrogate TCX on channel B, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX were within the acceptance limits on channel A and DCB on both channels, the samples were not reanalyzed.

Sample WU2426-14 and the matrix spike sample, WG9122-3, had low recoveries for the extraction surrogate DCB on channel A, which were outside of the laboratory established acceptance limits. Since the recoveries for DCB were within the acceptance limits on channel B and TCX on both channels, the samples were not reanalyzed.

The calibration verification standards (CV) (files 6UH2147, 6UH2166, 6UH2177 and 6UH2195) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The CVs (files 6UH1180 and 6UH1198) had low responses for Aroclor 1254 on channel A, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel B were acceptable, the associated samples were not reanalyzed.

The laboratory control sample WG9127-2 had a high recovery for the spiked analyte Aroclor 1260, which was outside of the laboratory established acceptance limits. Since the laboratory control spike duplicate, WG9127-3, had an acceptable recovery, the associated samples were not reanalyzed.

The matrix spike sample, WG9122-3 had a low recovery for the spiked analyte Aroclor 1260, which was outside of the laboratory established acceptance limits. Since the matrix spike duplicate, WG9122-4, had an acceptable recovery, the associated samples were not reanalyzed.

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

Metals Analysis

The samples of Katahdin SDG CTO351-6 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Aqueous Waste", SW-846, November 1986, Third Edition.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Soil-matrix Katahdin Sample Nos. WU2426-(1-20) were digested for ICP analysis on 08/10/04 (QC Batch UH10ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2426-15 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.1155 mg/L, corresponding to a dry-weight concentration of 11.55 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of SDG CTO351-6 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2426-(1-20) were digested for mercury analysis on 08/10/04 (QC Batch UH10HGS0) in accordance with USEPA Method 7471A. Katahdin Sample No. WU2426-15 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin SDG CTO351-6 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for lead (138.1%) and mercury (151.0%) in the matrix-spike aliquot of Katahdin Sample No. WU2426-15 are outside the laboratory's acceptance limits. The recoveries for lead (38.5%) and mercury (131.9%) in the matrix-spike duplicate aliquot of Katahdin Sample No. WU2426-15 are outside the laboratory's acceptance limits. The recoveries for all other elements in these matrix-spiked aliquots 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).

The matrix-spike duplicate analysis of Katahdin Sample No. WU2426-15 for lead (64.5% RPD) exceeds the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample No. WU2426-15 is within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) all analytes.

Wet Chemistry Analysis

The samples of SDG CTO351-6 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

María Crouch
08.24.04
María Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: CTO351-6 **SOW No.** SW846

Client Field ID	Lab Sample ID
C03V-01C-06-0804	WU2426-007
C03V-01C-12-0804	WU2426-008
C03V-01C-24-0804	WU2426-009
C03V-01WS-06-0804	WU2426-010
C03V-01WS-12-0804	WU2426-011
C03V-01WS-24-0804	WU2426-012
C03V-02C-06-0804	WU2426-004
C03V-02C-12-0804	WU2426-005
C03V-02C-24-0804	WU2426-006
C03V-02ES-06-0804	WU2426-001
C03V-02ES-12-0804	WU2426-002
C03V-02ES-24-0804	WU2426-003
C03V-09C-06-0804	WU2426-013
C03V-09C-12-0804	WU2426-014
C03V-09C-24-0804	WU2426-015
C03V-09C-24-0804	WU2426-015P
C03V-09C-24-0804	WU2426-015S
C03V-13C-06-0804	WU2426-016
C03V-13C-12-0804	WU2426-017
C03V-13C-24-0804	WU2426-018
C03V-14C-06-0804	WU2426-019
C03V-14C-12-0804	WU2426-020

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

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

Signature: George Brewer Name: George Brewer

Date: 08/23/04 Title: Inorganic Dept. Mgr.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: ICV

File: AUH10A Aug 10, 2004 17:06

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18252.70	91.3
ANTIMONY	600.0	580.91	96.8
ARSENIC	600.0	606.00	101.0
BARIUM	500.0	469.27	93.9
BERYLLIUM	500.0	486.91	97.4
CADMIUM	1250.0	1214.94	97.2
CALCIUM	20000.0	20137.59	100.7
CHROMIUM	500.0	493.70	98.7
COBALT	500.0	486.83	97.4
COPPER	500.0	478.19	95.6
IRON	20000.0	19947.81	99.7
LEAD	550.0	547.04	99.5
MAGNESIUM	20000.0	20498.21	102.5
MANGANESE	500.0	492.78	98.6
NICKEL	1000.0	988.75	98.9
SELENIUM	550.0	537.91	97.8
SILVER	200.0	194.25	97.1
THALLIUM	600.0	593.58	98.9
TIN	500.0	489.25	97.9
VANADIUM	500.0	485.75	97.2
ZINC	1000.0	966.89	96.7

SAMPLE: CCV

File: AUH10A Aug 10, 2004 17:47

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49894.64	99.8
ANTIMONY	1000.0	993.28	99.3
ARSENIC	1000.0	1003.06	100.3
BARIUM	1000.0	1020.65	102.1
BERYLLIUM	1000.0	1031.23	103.1
CADMIUM	1000.0	1014.12	101.4
CALCIUM	50000.0	51851.58	103.7
CHROMIUM	1000.0	1020.91	102.1
COBALT	1000.0	1019.29	101.9
COPPER	1000.0	1003.04	100.3
IRON	20000.0	20489.31	102.4
LEAD	1000.0	1002.94	100.3
MAGNESIUM	50000.0	52286.19	104.6
MANGANESE	1000.0	1016.65	101.7
NICKEL	1000.0	1021.76	102.2
SELENIUM	1000.0	998.63	99.9
SILVER	250.0	253.38	101.4
THALLIUM	1000.0	1003.20	100.3
TIN	1000.0	1012.30	101.2
VANADIUM	1000.0	1021.07	102.1
ZINC	1000.0	1017.78	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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 10, 2004 19:07

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49486.20	99.0
ANTIMONY	1000.0	997.39	99.7
ARSENIC	1000.0	1005.68	100.6
BARIUM	1000.0	1002.58	100.3
BERYLLIUM	1000.0	1027.31	102.7
CADMIUM	1000.0	1013.76	101.4
CALCIUM	50000.0	52027.52	104.1
CHROMIUM	1000.0	1023.63	102.4
COBALT	1000.0	1024.44	102.4
COPPER	1000.0	992.46	99.2
IRON	20000.0	20509.66	102.5
LEAD	1000.0	1014.30	101.4
MAGNESIUM	50000.0	52378.56	104.8
MANGANESE	1000.0	1018.43	101.8
NICKEL	1000.0	1025.11	102.5
SELENIUM	1000.0	1001.92	100.2
SILVER	250.0	251.02	100.4
THALLIUM	1000.0	994.07	99.4
TIN	1000.0	1017.85	101.8
VANADIUM	1000.0	1016.04	101.6
ZINC	1000.0	1012.31	101.2

SAMPLE: CCV

File: AUH10A Aug 10, 2004 20:27

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49572.66	99.1
ANTIMONY	1000.0	992.55	99.3
ARSENIC	1000.0	999.03	99.9
BARIUM	1000.0	999.01	99.9
BERYLLIUM	1000.0	1032.76	103.3
CADMIUM	1000.0	1010.51	101.1
CALCIUM	50000.0	52047.24	104.1
CHROMIUM	1000.0	1024.64	102.5
COBALT	1000.0	1020.93	102.1
COPPER	1000.0	988.42	98.8
IRON	20000.0	20434.04	102.2
LEAD	1000.0	1014.87	101.5
MAGNESIUM	50000.0	52401.98	104.8
MANGANESE	1000.0	1018.30	101.8
NICKEL	1000.0	1021.02	102.1
SELENIUM	1000.0	1002.25	100.2
SILVER	250.0	250.10	100.0
THALLIUM	1000.0	995.32	99.5
TIN	1000.0	1010.48	101.0
VANADIUM	1000.0	1024.76	102.5
ZINC	1000.0	1008.17	100.8

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 10, 2004 21:48

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50482.87	101.0
ANTIMONY	1000.0	980.81	98.1
ARSENIC	1000.0	985.26	98.5
BARIUM	1000.0	1023.11	102.3
BERYLLIUM	1000.0	1051.62	105.2
CADMIUM	1000.0	1014.74	101.5
CALCIUM	50000.0	51631.23	103.3
CHROMIUM	1000.0	1029.82	103.0
COBALT	1000.0	1014.56	101.5
COPPER	1000.0	997.07	99.7
IRON	20000.0	20465.09	102.3
LEAD	1000.0	991.72	99.2
MAGNESIUM	50000.0	52638.64	105.3
MANGANESE	1000.0	1024.37	102.4
NICKEL	1000.0	1013.31	101.3
SELENIUM	1000.0	984.32	98.4
SILVER	250.0	251.40	100.6
THALLIUM	1000.0	988.70	98.9
TIN	1000.0	994.37	99.4
VANADIUM	1000.0	1049.16	104.9
ZINC	1000.0	1009.03	100.9

SAMPLE: CCV

File: AUH10A Aug 10, 2004 23:08

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50956.11	101.9
ANTIMONY	1000.0	975.98	97.6
ARSENIC	1000.0	978.11	97.8
BARIUM	1000.0	1031.91	103.2
BERYLLIUM	1000.0	1061.28	106.1
CADMIUM	1000.0	1019.08	101.9
CALCIUM	50000.0	51734.35	103.5
CHROMIUM	1000.0	1032.74	103.3
COBALT	1000.0	1012.54	101.3
COPPER	1000.0	998.05	99.8
IRON	20000.0	20457.86	102.3
LEAD	1000.0	985.68	98.6
MAGNESIUM	50000.0	52877.95	105.8
MANGANESE	1000.0	1028.23	102.8
NICKEL	1000.0	1011.60	101.2
SELENIUM	1000.0	982.11	98.2
SILVER	250.0	250.37	100.1
THALLIUM	1000.0	981.20	98.1
TIN	1000.0	988.95	98.9
VANADIUM	1000.0	1060.96	106.1
ZINC	1000.0	1009.58	101.0

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 11, 2004 0:28

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49472.67	98.9
ANTIMONY	1000.0	955.97	95.6
ARSENIC	1000.0	957.92	95.8
BARIUM	1000.0	1000.14	100.0
BERYLLIUM	1000.0	1031.23	103.1
CADMIUM	1000.0	988.61	98.9
CALCIUM	50000.0	50323.89	100.6
CHROMIUM	1000.0	1005.08	100.5
COBALT	1000.0	987.38	98.7
COPPER	1000.0	972.67	97.3
IRON	20000.0	19866.87	99.3
LEAD	1000.0	976.22	97.6
MAGNESIUM	50000.0	51475.13	103.0
MANGANESE	1000.0	1001.57	100.2
NICKEL	1000.0	987.03	98.7
SELENIUM	1000.0	970.21	97.0
SILVER	250.0	244.76	97.9
THALLIUM	1000.0	962.82	96.3
TIN	1000.0	961.07	96.1
VANADIUM	1000.0	1031.40	103.1
ZINC	1000.0	981.39	98.1

SAMPLE: CCV

File: AUH10A Aug 11, 2004 1:49

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49795.76	99.6
ANTIMONY	1000.0	959.71	96.0
ARSENIC	1000.0	968.21	96.8
BARIUM	1000.0	999.72	100.0
BERYLLIUM	1000.0	1042.10	104.2
CADMIUM	1000.0	996.87	99.7
CALCIUM	50000.0	50877.54	101.8
CHROMIUM	1000.0	1019.35	101.9
COBALT	1000.0	1001.13	100.1
COPPER	1000.0	977.75	97.8
IRON	20000.0	20169.21	100.8
LEAD	1000.0	987.46	98.7
MAGNESIUM	50000.0	52004.11	104.0
MANGANESE	1000.0	1016.96	101.7
NICKEL	1000.0	998.03	99.8
SELENIUM	1000.0	981.03	98.1
SILVER	250.0	245.69	98.3
THALLIUM	1000.0	979.56	98.0
TIN	1000.0	966.88	96.7
VANADIUM	1000.0	1044.87	104.5
ZINC	1000.0	985.80	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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 11, 2004 3:09

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50434.01	100.9
ANTIMONY	1000.0	964.89	96.5
ARSENIC	1000.0	978.79	97.9
BARIUM	1000.0	1005.92	100.6
BERYLLIUM	1000.0	1054.97	105.5
CADMIUM	1000.0	1006.73	100.7
CALCIUM	50000.0	51475.57	103.0
CHROMIUM	1000.0	1032.30	103.2
COBALT	1000.0	1014.33	101.4
COPPER	1000.0	986.70	98.7
IRON	20000.0	20575.21	102.9
LEAD	1000.0	993.51	99.4
MAGNESIUM	50000.0	52738.48	105.5
MANGANESE	1000.0	1029.45	102.9
NICKEL	1000.0	1009.14	100.9
SELENIUM	1000.0	985.62	98.6
SILVER	250.0	247.36	98.9
THALLIUM	1000.0	988.67	98.9
TIN	1000.0	980.78	98.1
VANADIUM	1000.0	1057.66	105.8
ZINC	1000.0	993.98	99.4

SAMPLE: CCV

File: AUH10A Aug 11, 2004 4:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50839.84	101.7
ANTIMONY	1000.0	964.32	96.4
ARSENIC	1000.0	966.53	96.7
BARIUM	1000.0	1019.76	102.0
BERYLLIUM	1000.0	1056.13	105.6
CADMIUM	1000.0	998.23	99.8
CALCIUM	50000.0	51219.57	102.4
CHROMIUM	1000.0	1026.53	102.7
COBALT	1000.0	1006.49	100.6
COPPER	1000.0	991.85	99.2
IRON	20000.0	20422.49	102.1
LEAD	1000.0	985.91	98.6
MAGNESIUM	50000.0	52519.51	105.0
MANGANESE	1000.0	1024.53	102.5
NICKEL	1000.0	1001.46	100.1
SELENIUM	1000.0	976.10	97.6
SILVER	250.0	248.62	99.4
THALLIUM	1000.0	974.98	97.5
TIN	1000.0	973.74	97.4
VANADIUM	1000.0	1060.22	106.0
ZINC	1000.0	993.01	99.3

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 11, 2004 5:51

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51012.98	102.0
ANTIMONY	1000.0	953.49	95.3
ARSENIC	1000.0	946.37	94.6
BARIUM	1000.0	1031.67	103.2
BERYLLIUM	1000.0	1058.17	105.8
CADMIUM	1000.0	991.63	99.2
CALCIUM	50000.0	50702.03	101.4
CHROMIUM	1000.0	1016.80	101.7
COBALT	1000.0	989.56	99.0
COPPER	1000.0	988.11	98.8
IRON	20000.0	20120.07	100.6
LEAD	1000.0	962.27	96.2
MAGNESIUM	50000.0	52070.25	104.1
MANGANESE	1000.0	1017.05	101.7
NICKEL	1000.0	984.68	98.5
SELENIUM	1000.0	955.77	95.6
SILVER	250.0	247.10	98.8
THALLIUM	1000.0	959.90	96.0
TIN	1000.0	952.81	95.3
VANADIUM	1000.0	1064.81	106.5
ZINC	1000.0	986.16	98.6

SAMPLE: CCV

File: AUH10A Aug 11, 2004 7:11

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51676.58	103.4
ANTIMONY	1000.0	956.11	95.6
ARSENIC	1000.0	952.63	95.3
BARIUM	1000.0	1040.96	104.1
BERYLLIUM	1000.0	1077.07	107.7
CADMIUM	1000.0	1009.15	100.9
CALCIUM	50000.0	51514.05	103.0
CHROMIUM	1000.0	1031.71	103.2
COBALT	1000.0	1001.66	100.2
COPPER	1000.0	992.16	99.2
IRON	20000.0	20362.34	101.8
LEAD	1000.0	971.80	97.2
MAGNESIUM	50000.0	52887.54	105.8
MANGANESE	1000.0	1033.24	103.3
NICKEL	1000.0	995.33	99.5
SELENIUM	1000.0	964.61	96.5
SILVER	250.0	248.19	99.3
THALLIUM	1000.0	971.38	97.1
TIN	1000.0	955.24	95.5
VANADIUM	1000.0	1081.48	108.1
ZINC	1000.0	997.20	99.7

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 11, 2004 8:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51667.28	103.3
ANTIMONY	1000.0	938.58	93.9
ARSENIC	1000.0	938.52	93.9
BARIUM	1000.0	1037.51	103.8
BERYLLIUM	1000.0	1100.75	110.1
CADMIUM	1000.0	1039.23	103.9
CALCIUM	50000.0	52424.10	104.8
CHROMIUM	1000.0	1047.82	104.8
COBALT	1000.0	1006.80	100.7
COPPER	1000.0	978.94	97.9
IRON	20000.0	20609.73	103.0
LEAD	1000.0	969.66	97.0
MAGNESIUM	50000.0	53598.16	107.2
MANGANESE	1000.0	1049.32	104.9
NICKEL	1000.0	1003.55	100.4
SELENIUM	1000.0	970.36	97.0
SILVER	250.0	244.28	97.7
THALLIUM	1000.0	972.36	97.2
TIN	1000.0	937.08	93.7
VANADIUM	1000.0	1101.04	110.1
ZINC	1000.0	1001.31	100.1

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: ICV

File: AUH11A Aug 11, 2004 15:02

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19308.37	96.5
CALCIUM	20000.0	21482.62	107.4
IRON	20000.0	21143.59	105.7
LEAD	550.0	581.20	105.7
MAGNESIUM	20000.0	21729.93	108.6

SAMPLE: CCV

File: AUH11A Aug 11, 2004 15:42

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48459.68	96.9
CALCIUM	50000.0	51364.10	102.7
IRON	20000.0	20093.71	100.5
LEAD	1000.0	1001.66	100.2
MAGNESIUM	50000.0	51129.93	102.3

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: AUH11A Aug 11, 2004 17:09

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47293.29	94.6
CALCIUM	50000.0	50621.38	101.2
IRON	20000.0	19980.20	99.9
LEAD	1000.0	1025.82	102.6
MAGNESIUM	50000.0	50249.42	100.5

SAMPLE: CCV

File: AUH11A Aug 11, 2004 18:22

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47535.56	95.1
CALCIUM	50000.0	50523.45	101.0
IRON	20000.0	20070.81	100.4
LEAD	1000.0	1023.44	102.3
MAGNESIUM	50000.0	50582.00	101.2

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: AUH11A Aug 11, 2004 19:43

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47484.20	95.0
CALCIUM	50000.0	50548.54	101.1
IRON	20000.0	20070.92	100.4
LEAD	1000.0	1022.68	102.3
MAGNESIUM	50000.0	50691.59	101.4

SAMPLE: CCV

File: AUH11A Aug 11, 2004 21:03

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47950.77	95.9
CALCIUM	50000.0	50418.22	100.8
IRON	20000.0	20005.15	100.0
LEAD	1000.0	1016.79	101.7
MAGNESIUM	50000.0	50662.63	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:** CTO351-6

Concentration Units: ug/L

SAMPLE: ICV

File: BUH10A Aug 10, 2004 16:51

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19723.60	98.6
CALCIUM	20000.0	19245.84	96.2
IRON	20000.0	20191.82	101.0
MAGNESIUM	20000.0	19397.91	97.0
POTASSIUM	20000.0	19260.67	96.3
SODIUM	20000.0	21916.08	109.6

SAMPLE: CCV

File: BUH10A Aug 10, 2004 17:31

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50628.84	101.3
CALCIUM	50000.0	49009.84	98.0
IRON	20000.0	20367.39	101.8
MAGNESIUM	50000.0	49975.41	100.0
POTASSIUM	50000.0	49894.00	99.8
SODIUM	50000.0	51934.92	103.9

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 10, 2004 18:38

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50841.24	101.7
CALCIUM	50000.0	48897.91	97.8
IRON	20000.0	20310.50	101.6
MAGNESIUM	50000.0	50049.85	100.1
POTASSIUM	50000.0	50525.16	101.1
SODIUM	50000.0	52479.61	105.0

SAMPLE: CCV

File: BUH10A Aug 10, 2004 19:48

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	52667.52	105.3
CALCIUM	50000.0	50458.74	100.9
IRON	20000.0	21163.08	105.8
MAGNESIUM	50000.0	51733.20	103.5
POTASSIUM	50000.0	51958.09	103.9
SODIUM	50000.0	54071.97	108.1

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 10, 2004 20:56

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	52493.04	105.0
CALCIUM	50000.0	49918.01	99.8
IRON	20000.0	20932.41	104.7
MAGNESIUM	50000.0	51353.11	102.7
POTASSIUM	50000.0	52903.34	105.8
SODIUM	50000.0	54318.87	108.6

SAMPLE: CCV

File: BUH10A Aug 10, 2004 22:03

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51385.68	102.8
CALCIUM	50000.0	49452.48	98.9
IRON	20000.0	20580.51	102.9
MAGNESIUM	50000.0	50554.91	101.1
POTASSIUM	50000.0	51078.92	102.2
SODIUM	50000.0	52093.49	104.2

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 10, 2004 23:11

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51633.41	103.3
CALCIUM	50000.0	49882.30	99.8
IRON	20000.0	20807.46	104.0
MAGNESIUM	50000.0	50937.50	101.9
POTASSIUM	50000.0	51081.57	102.2
SODIUM	50000.0	52261.68	104.5

SAMPLE: CCV

File: BUH10A Aug 11, 2004 0:19

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51426.39	102.9
CALCIUM	50000.0	49646.03	99.3
IRON	20000.0	20676.54	103.4
MAGNESIUM	50000.0	50659.28	101.3
POTASSIUM	50000.0	51011.85	102.0
SODIUM	50000.0	52282.98	104.6

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 11, 2004 1:26

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51199.05	102.4
CALCIUM	50000.0	51663.84	103.3
IRON	20000.0	21416.21	107.1
MAGNESIUM	50000.0	51638.30	103.3
POTASSIUM	50000.0	50038.93	100.1
SODIUM	50000.0	49712.15	99.4

SAMPLE: CCV

File: BUH10A Aug 11, 2004 2:34

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53607.95	107.2
CALCIUM	50000.0	49665.48	99.3
IRON	20000.0	21719.92	108.6
MAGNESIUM	50000.0	52472.58	104.9
POTASSIUM	50000.0	51721.84	103.4
SODIUM	50000.0	53940.06	107.9

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 11, 2004 3:42

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53595.26	107.2
CALCIUM	50000.0	49840.72	99.7
IRON	20000.0	21719.36	108.6
MAGNESIUM	50000.0	52557.92	105.1
POTASSIUM	50000.0	52323.86	104.6
SODIUM	50000.0	54092.65	108.2

SAMPLE: CCV

File: BUH10A Aug 11, 2004 4:50

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53418.32	106.8
CALCIUM	50000.0	50994.36	102.0
IRON	20000.0	22041.21	110.2
MAGNESIUM	50000.0	52822.25	105.6
POTASSIUM	50000.0	50905.40	101.8
SODIUM	50000.0	52526.86	105.1

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 11, 2004 5:52

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53559.74	107.1
CALCIUM	50000.0	49274.49	98.5
IRON	20000.0	21692.88	108.5
MAGNESIUM	50000.0	52818.64	105.6
POTASSIUM	50000.0	53100.66	106.2
SODIUM	50000.0	54807.54	109.6

SAMPLE: CCV

File: BUH10A Aug 11, 2004 6:20

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53832.63	107.7
CALCIUM	50000.0	50315.14	100.6
IRON	20000.0	21970.61	109.9
MAGNESIUM	50000.0	53096.76	106.2
POTASSIUM	50000.0	52973.30	105.9
SODIUM	50000.0	55093.10	110.2

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: ICV

File: HUH10B Aug 10, 2004 17:40

Analyte	True	Found	%R (1)
MERCURY	6.0	6.20	103.3

SAMPLE: CCV

File: HUH10B Aug 10, 2004 18:05

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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: HUH10B Aug 10, 2004 18:31

Analyte	True	Found	%R (1)
MERCURY	5.0	5.36	107.2

SAMPLE: CCV

File: HUH10B Aug 10, 2004 18:56

Analyte	True	Found	%R (1)
MERCURY	5.0	5.34	106.8

(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:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCV

File: HUH10B Aug 10, 2004 19:22

Analyte	True	Found	%R (1)
MERCURY	5.0	5.11	102.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH10HGS0

Matrix: SOIL **SDG Name:** CTO351-6

QC Batch ID: UH10HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH10ICS0

Matrix: SOIL **SDG Name:** CTO351-6

QC Batch ID: UH10ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ALUMINUM	1.830	U
ANTIMONY	0.230	U
ARSENIC	0.300	U
BARIUM	0.055	B
BERYLLIUM	0.020	U
CADMIUM	0.045	B
CALCIUM	11.550	
CHROMIUM	0.080	U
COBALT	0.060	U
COPPER	0.090	U
IRON	1.070	U
LEAD	0.201	B
MAGNESIUM	0.750	U
MANGANESE	0.079	B
NICKEL	0.101	B
POTASSIUM	28.160	B
SELENIUM	0.370	U
SILVER	0.070	U
SODIUM	8.446	B
THALLIUM	0.410	U
TIN	2.721	B
VANADIUM	0.070	U
ZINC	0.320	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: ICB

File: AUH10A Aug 10, 2004 17:13

Analyte	Result	C
ALUMINUM	23.29	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-6.69	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-0.99	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 10, 2004 17:53

Analyte	Result	C
ALUMINUM	27.39	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-7.28	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-0.99	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 10, 2004 19:14

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.32	B
CALCIUM	29.06	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	2.46	B
MAGNESIUM	29.34	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCB

File: AUH10A Aug 10, 2004 20:34

Analyte	Result	C
ALUMINUM	-25.17	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	B
BERYLLIUM	0.25	U
CADMIUM	0.40	B
CALCIUM	35.67	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.93	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	30.54	B
MANGANESE	0.16	B
NICKEL	0.92	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 10, 2004 21:54

Analyte	Result	C
ALUMINUM	-57.36	B
ANTIMONY	2.58	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	6.96	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.83	B
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 10, 2004 23:15

Analyte	Result	C
ALUMINUM	-65.18	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.31	B
CALCIUM	29.22	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	1.05	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	16.23	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCB

File: AUH10A Aug 11, 2004 0:35

Analyte	Result	C
ALUMINUM	-56.18	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.18	B
BERYLLIUM	0.25	U
CADMIUM	0.44	B
CALCIUM	41.84	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.99	B
IRON	10.70	U
LEAD	1.85	B
MAGNESIUM	20.69	B
MANGANESE	0.13	U
NICKEL	1.18	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 11, 2004 1:56

Analyte	Result	C
ALUMINUM	-61.39	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	7.56	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	2.26	B
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 11, 2004 3:16

Analyte	Result	C
ALUMINUM	-98.27	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.46	B
CALCIUM	24.95	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	1.39	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	8.29	B
MANGANESE	0.13	U
NICKEL	1.25	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCB
File: AUH10A Aug 11, 2004 4:37

Analyte	Result	C
ALUMINUM	-138.75	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.35	B
CALCIUM	43.24	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	2.51	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	9.90	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB
File: AUH10A Aug 11, 2004 5:57

Analyte	Result	C
ALUMINUM	-140.09	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.20	B
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	33.06	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	2.81	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.14	B
NICKEL	1.03	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	1.01	B

SAMPLE: CCB
File: AUH10A Aug 11, 2004 7:18

Analyte	Result	C
ALUMINUM	-166.46	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.23	B
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	56.22	
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	3.08	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	17.85	B
MANGANESE	0.23	B
NICKEL	1.38	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.98	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCB

File: AUH10A Aug 11, 2004 8:32

Analyte	Result	C
ALUMINUM	-241.70	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.33	B
BERYLLIUM	0.25	U
CADMIUM	0.46	B
CALCIUM	92.47	
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	4.95	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	15.31	B
MANGANESE	0.32	B
NICKEL	1.44	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.93	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: ICB

File: AUH11A Aug 11, 2004 15:09

Analyte	Result	C
ALUMINUM	18.30	U
CALCIUM	-4.90	B
IRON	-16.39	B
LEAD	1.70	U
MAGNESIUM	7.52	U

SAMPLE: CCB

File: AUH11A Aug 11, 2004 15:49

Analyte	Result	C
ALUMINUM	31.13	B
CALCIUM	-7.46	B
IRON	-19.20	B
LEAD	1.70	U
MAGNESIUM	7.52	U

SAMPLE: CCB

File: AUH11A Aug 11, 2004 17:15

Analyte	Result	C
ALUMINUM	151.90	B
CALCIUM	3.13	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	21.03	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCB

File: AUH11A Aug 11, 2004 18:29

Analyte	Result	C
ALUMINUM	141.73	B
CALCIUM	-5.87	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	18.66	B

SAMPLE: CCB

File: AUH11A Aug 11, 2004 19:49

Analyte	Result	C
ALUMINUM	99.51	B
CALCIUM	3.13	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	17.45	B

SAMPLE: CCB

File: AUH11A Aug 11, 2004 21:10

Analyte	Result	C
ALUMINUM	54.57	B
CALCIUM	-13.10	B
IRON	-11.26	B
LEAD	1.70	U
MAGNESIUM	-8.04	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: ICB

File: BUH10A Aug 10, 2004 16:57

Analyte	Result	C
ALUMINUM	54.33	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	406.57	B
SODIUM	26.75	B

SAMPLE: CCB

File: BUH10A Aug 10, 2004 17:36

Analyte	Result	C
ALUMINUM	20.44	B
CALCIUM	21.40	U
IRON	6.35	B
MAGNESIUM	24.70	U
POTASSIUM	238.00	U
SODIUM	19.10	U

SAMPLE: CCB

File: BUH10A Aug 10, 2004 18:46

Analyte	Result	C
ALUMINUM	45.05	B
CALCIUM	21.40	U
IRON	6.26	B
MAGNESIUM	24.70	U
POTASSIUM	-590.27	B
SODIUM	19.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCB

File: BUH10A Aug 10, 2004 19:54

Analyte	Result	C
ALUMINUM	49.23	B
CALCIUM	23.62	B
IRON	5.44	B
MAGNESIUM	24.70	U
POTASSIUM	-920.97	B
SODIUM	23.85	B

SAMPLE: CCB

File: BUH10A Aug 10, 2004 21:01

Analyte	Result	C
ALUMINUM	96.97	B
CALCIUM	45.03	B
IRON	17.23	B
MAGNESIUM	60.89	
POTASSIUM	608.58	B
SODIUM	32.03	B

SAMPLE: CCB

File: BUH10A Aug 10, 2004 22:09

Analyte	Result	C
ALUMINUM	68.04	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	36.43	B
POTASSIUM	511.50	B
SODIUM	40.57	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCB

File: BUH10A Aug 10, 2004 23:17

Analyte	Result	C
ALUMINUM	30.66	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	-748.54	B
SODIUM	19.10	U

SAMPLE: CCB

File: BUH10A Aug 11, 2004 0:24

Analyte	Result	C
ALUMINUM	47.10	B
CALCIUM	21.40	U
IRON	9.49	B
MAGNESIUM	24.70	U
POTASSIUM	-416.61	B
SODIUM	30.19	B

SAMPLE: CCB

File: BUH10A Aug 11, 2004 1:32

Analyte	Result	C
ALUMINUM	57.01	B
CALCIUM	55.52	
IRON	10.50	B
MAGNESIUM	24.70	U
POTASSIUM	-1015.53	
SODIUM	34.92	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCB

File: BUH10A Aug 11, 2004 2:40

Analyte	Result	C
ALUMINUM	35.35	B
CALCIUM	22.23	B
IRON	6.39	B
MAGNESIUM	-28.67	B
POTASSIUM	-500.50	B
SODIUM	19.10	U

SAMPLE: CCB

File: BUH10A Aug 11, 2004 3:48

Analyte	Result	C
ALUMINUM	27.87	B
CALCIUM	21.40	U
IRON	11.59	B
MAGNESIUM	24.70	U
POTASSIUM	-349.04	B
SODIUM	20.75	B

SAMPLE: CCB

File: BUH10A Aug 11, 2004 4:55

Analyte	Result	C
ALUMINUM	49.44	B
CALCIUM	41.05	B
IRON	11.06	B
MAGNESIUM	24.70	U
POTASSIUM	-823.40	B
SODIUM	27.08	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCB

File: BUH10A Aug 11, 2004 5:58

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	26.50	B
MAGNESIUM	46.02	B
POTASSIUM	238.00	U
SODIUM	19.10	U

SAMPLE: CCB

File: BUH10A Aug 11, 2004 6:26

Analyte	Result	C
ALUMINUM	62.05	B
CALCIUM	27.55	B
IRON	19.03	B
MAGNESIUM	25.64	B
POTASSIUM	238.00	U
SODIUM	43.96	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: ICB

File: HUH10B Aug 10, 2004 17:42

Analyte	Result	C
MERCURY	-0.04	B

SAMPLE: CCB

File: HUH10B Aug 10, 2004 18:07

Analyte	Result	C
MERCURY	-0.04	B

SAMPLE: CCB

File: HUH10B Aug 10, 2004 18:33

Analyte	Result	C
MERCURY	-0.04	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Concentration Units: ug/L

SAMPLE: CCB

File: HUH10B Aug 10, 2004 18:59

Analyte	Result	C
MERCURY	-0.03	B

SAMPLE: CCB

File: HUH10B Aug 10, 2004 19:24

Analyte	Result	C
MERCURY	-0.04	B

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	18.30	P
ANTIMONY	8.0	2.34	P
ARSENIC	8.0	3.03	P
BARIUM	5.0	0.17	P
BERYLLIUM	5.0	0.25	P
CADMIUM	10	0.30	P
CALCIUM	50	3.13	P
CHROMIUM	15	0.80	P
COBALT	30	0.64	P
COPPER	25	0.86	P
IRON	100	10.70	P
LEAD	5.0	1.70	P
MAGNESIUM	50	7.52	P
MANGANESE	5.0	0.13	P
NICKEL	40	0.85	P
SELENIUM	10	3.71	P
SILVER	15	0.70	P
THALLIUM	15	4.09	P
TIN	100	1.79	P
VANADIUM	25	0.75	P
ZINC	25	0.25	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
POTASSIUM	1000	238.00	P
SODIUM	1000	19.10	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 1/17/2003

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
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
TIN	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:** 1/17/2003

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

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH10HGS0

Matrix: SOIL **SDG Name:** CTO351-6

Method: CV **Prep Date:** 08/10/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH10HGS0	LCSOUH10HGS0	0.6	0.1
PBSUH10HGS0	PBSUH10HGS0	0.6	0.1
C03V-02ES-06-0804	WU2426-001	0.66	0.1
C03V-02ES-12-0804	WU2426-002	0.8	0.1
C03V-02ES-24-0804	WU2426-003	0.66	0.1
C03V-02C-06-0804	WU2426-004	0.71	0.1
C03V-02C-12-0804	WU2426-005	0.73	0.1
C03V-02C-24-0804	WU2426-006	0.73	0.1
C03V-01C-06-0804	WU2426-007	0.69	0.1
C03V-01C-12-0804	WU2426-008	0.68	0.1
C03V-01C-24-0804	WU2426-009	0.73	0.1
C03V-01WS-06-0804	WU2426-010	0.68	0.1
C03V-01WS-12-0804	WU2426-011	0.8	0.1
C03V-01WS-24-0804	WU2426-012	0.68	0.1
C03V-09C-06-0804	WU2426-013	0.67	0.1
C03V-09C-12-0804	WU2426-014	0.89	0.1
C03V-09C-24-0804	WU2426-015	0.61	0.1
C03V-09C-24-0804P	WU2426-015P	0.7	0.1
C03V-09C-24-0804S	WU2426-015S	0.78	0.1
C03V-13C-06-0804	WU2426-016	0.66	0.1
C03V-13C-12-0804	WU2426-017	0.66	0.1
C03V-13C-24-0804	WU2426-018	1	0.1
C03V-14C-06-0804	WU2426-019	0.83	0.1
C03V-14C-12-0804	WU2426-020	0.64	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH10ICS0

Matrix: SOIL **SDG Name:** CTO351-6

Method: P **Prep Date:** 08/10/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH10ICS0	LCSOUH10ICS0	1	0.1
PBSUH10ICS0	PBSUH10ICS0	1	0.1
C03V-02ES-06-0804	WU2426-001	1.79	0.1
C03V-02ES-12-0804	WU2426-002	1.6	0.1
C03V-02ES-24-0804	WU2426-003	1.42	0.1
C03V-02C-06-0804	WU2426-004	1.3	0.1
C03V-02C-12-0804	WU2426-005	1.48	0.1
C03V-02C-24-0804	WU2426-006	1.8	0.1
C03V-01C-06-0804	WU2426-007	1.3	0.1
C03V-01C-12-0804	WU2426-008	1.3	0.1
C03V-01C-24-0804	WU2426-009	1.22	0.1
C03V-01WS-06-0804	WU2426-010	1.38	0.1
C03V-01WS-12-0804	WU2426-011	1.3	0.1
C03V-01WS-24-0804	WU2426-012	1.37	0.1
C03V-09C-06-0804	WU2426-013	1.3	0.1
C03V-09C-12-0804	WU2426-014	1.34	0.1
C03V-09C-24-0804	WU2426-015	1.59	0.1
C03V-09C-24-0804P	WU2426-015P	1.6	0.1
C03V-09C-24-0804S	WU2426-015S	1.59	0.1
C03V-13C-06-0804	WU2426-016	1.2	0.1
C03V-13C-12-0804	WU2426-017	1.55	0.1
C03V-13C-24-0804	WU2426-018	1.34	0.1
C03V-14C-06-0804	WU2426-019	1.39	0.1
C03V-14C-12-0804	WU2426-020	1.58	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Instrument ID: TJA TRACE ICP **File Name:** AUH10A

Date: 8/10/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements															
S0		1	16:23	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
S1		1	16:30	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
AL IEC		1	16:39	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
FE IEC		1	16:46	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
MN IEC		1	16:53	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
IEC		1	17:00	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICV		1	17:06	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICB		1	17:13	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
PQL		1	17:20	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CRI		1	17:26	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	17:33	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	17:40	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	17:47	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	17:53	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		1	18:00																					
ZZZZZZ		1	18:07																					
ZZZZZZ		1	18:13																					
ZZZZZZ		5	18:20																					
ZZZZZZ		1	18:27																					
ZZZZZZ		1	18:33																					
ZZZZZZ		1	18:40																					
ZZZZZZ		1	18:47																					
ZZZZZZ		1	18:53																					
ZZZZZZ		1	19:00																					
CCV		1	19:07	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	19:14	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		1	19:20																					
ZZZZZZ		1	19:27																					
ZZZZZZ		1	19:34																					
ZZZZZZ		1	19:40																					
ZZZZZZ		1	19:47																					
ZZZZZZ		1	19:54																					
ZZZZZZ		1	20:00																					
ZZZZZZ		1	20:07																					
PBSUH10ICS0		1	20:14	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
LCSOUH10ICS0		1	20:21	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	20:27	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	20:34	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2426-001	C03V-02ES-06-0804	1	20:41	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe		Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2426-002	C03V-02ES-12-0804	1	20:47	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe		Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2426-003	C03V-02ES-24-0804	1	20:54	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe		Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2426-004	C03V-02C-06-0804	1	21:01	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2426-005	C03V-02C-12-0804	1	21:07	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2426-006	C03V-02C-24-0804	1	21:14	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2426-007	C03V-01C-06-0804	1	21:21	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CRI		1	21:28	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	21:34	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	21:41	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	21:48	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	21:54	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Instrument ID: TJA TRACE ICP **File Name:** AUH10A

Date: 8/10/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																					
WU2426-008	C03V-01C-12-0804	1	22:01	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-009	C03V-01C-24-0804	1	22:08	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-010	C03V-01WS-06-0804	1	22:14	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-011	C03V-01WS-12-0804	1	22:21	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-012	C03V-01WS-24-0804	1	22:28	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-013	C03V-09C-06-0804	1	22:35	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-014	C03V-09C-12-0804	1	22:41	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-015	C03V-09C-24-0804	1	22:48	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-015L	C03V-09C-24-0804L	5	22:55	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-015S	C03V-09C-24-0804S	1	23:01	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
CCV		1	23:08	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
CCB		1	23:15	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-015P	C03V-09C-24-0804P	1	23:21	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-016	C03V-13C-06-0804	1	23:28	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe		Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-017	C03V-13C-12-0804	1	23:35	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-018	C03V-13C-24-0804	1	23:42	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-019	C03V-14C-06-0804	1	23:48	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-020	C03V-14C-12-0804	1	23:55	Al	Sb	As	Ba	Be		Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
ZZZZZZ		1	0:02																							
ZZZZZZ		1	0:08																							
ZZZZZZ		1	0:15																							
ZZZZZZ		5	0:22																							
CCV		1	0:28	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
CCB		1	0:35	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
ZZZZZZ		1	0:42																							
ZZZZZZ		1	0:49																							
ZZZZZZ		1	0:55																							
ZZZZZZ		1	1:02																							
ZZZZZZ		1	1:09																							
ZZZZZZ		1	1:15																							
ZZZZZZ		1	1:22																							
CRI		1	1:29	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
ICSA		1	1:36	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
ICSAB		1	1:42	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
CCV		1	1:49	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
CCB		1	1:56	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
ZZZZZZ		1	2:02																							
ZZZZZZ		1	2:09																							
ZZZZZZ		1	2:16																							
ZZZZZZ		1	2:23																							
ZZZZZZ		1	2:29																							
ZZZZZZ		1	2:36																							
WU2426-001	C03V-02ES-06-0804	10	2:43								Ca															
WU2426-002	C03V-02ES-12-0804	10	2:49								Ca															
WU2426-003	C03V-02ES-24-0804	10	2:56								Ca															
WU2426-004	C03V-02C-06-0804	10	3:03								Ca															
CCV		1	3:09	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
CCB		1	3:16	Al	Sb	As	Ba	Be		Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag		Tl	Sn	V	Zn
WU2426-005	C03V-02C-12-0804	10	3:23								Ca															
WU2426-006	C03V-02C-24-0804	10	3:30								Ca															
WU2426-007	C03V-01C-06-0804	10	3:36								Ca															

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Instrument ID: TJA TRACE ICP **File Name:** AUH10A

Date: 8/11/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																
WU2426-008	C03V-01C-12-0804	10	3:43						Ca											
WU2426-009	C03V-01C-24-0804	10	3:50						Ca											
WU2426-010	C03V-01WS-06-0804	10	3:56						Ca											
WU2426-011	C03V-01WS-12-0804	10	4:03						Ca											
WU2426-012	C03V-01WS-24-0804	10	4:10						Ca											
WU2426-013	C03V-09C-06-0804	10	4:17						Ca											
WU2426-014	C03V-09C-12-0804	10	4:23						Ca											
CCV		1	4:30	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	4:37	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2426-015	C03V-09C-24-0804	10	4:43						Ca											
WU2426-015L	C03V-09C-24-0804L	50	4:50						Ca											
WU2426-015S	C03V-09C-24-0804S	10	4:57						Ca											
WU2426-015P	C03V-09C-24-0804P	10	5:04						Ca											
WU2426-016	C03V-13C-06-0804	10	5:10						Ca						Pb					
WU2426-017	C03V-13C-12-0804	10	5:17						Ca											
WU2426-018	C03V-13C-24-0804	10	5:24						Ca											
CRI		1	5:31	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	5:37	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	5:44	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	5:51	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	5:57	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2426-019	C03V-14C-06-0804	10	6:04						Ca											
WU2426-020	C03V-14C-12-0804	10	6:11						Ca											
ZZZZZZ		10	6:18																	
ZZZZZZ		10	6:24																	
ZZZZZZ		10	6:31																	
ZZZZZZ		10	6:38																	
ZZZZZZ		10	6:45																	
ZZZZZZ		10	6:51																	
ZZZZZZ		10	6:58																	
ZZZZZZ		10	7:05																	
CCV		1	7:11	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	7:18	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		10	7:25																	
ZZZZZZ		10	7:32																	
ZZZZZZ		10	7:38																	
ZZZZZZ		50	7:45																	
ZZZZZZ		10	7:52																	
ZZZZZZ		10	7:58																	
CRI		1	8:05	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	8:12	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	8:19	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	8:25	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	8:32	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Instrument ID: TJA TRACE ICP **File Name:** AUH11A

Date: 8/11/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
S0		1	14:19	Al		Ca		Fe	Pb	Mg
S1		1	14:26	Al		Ca		Fe	Pb	Mg
AL IEC		1	14:35	Al		Ca		Fe	Pb	Mg
FE IEC		1	14:42	Al		Ca		Fe	Pb	Mg
MN IEC		1	14:49	Al		Ca		Fe	Pb	Mg
IEC		1	14:55	Al		Ca		Fe	Pb	Mg
ICV		1	15:02	Al		Ca		Fe	Pb	Mg
ICB		1	15:09	Al		Ca		Fe	Pb	Mg
PQL		1	15:16	Al		Ca		Fe	Pb	Mg
CRI		1	15:22	Al		Ca		Fe	Pb	Mg
ICSA		1	15:29	Al		Ca		Fe	Pb	Mg
ICSAB		1	15:36	Al		Ca		Fe	Pb	Mg
CCV		1	15:42	Al		Ca		Fe	Pb	Mg
CCB		1	15:49	Al		Ca		Fe	Pb	Mg
ZZZZZZ		1	16:00							
ZZZZZZ		1	16:08							
ZZZZZZ		1	16:15							
ZZZZZZ		1	16:22							
ZZZZZZ		1	16:28							
ZZZZZZ		1	16:35							
ZZZZZZ		1	16:42							
CRI		1	16:48	Al		Ca		Fe	Pb	Mg
ICSA		1	16:55	Al		Ca		Fe	Pb	Mg
ICSAB		1	17:02	Al		Ca		Fe	Pb	Mg
CCV		1	17:09	Al		Ca		Fe	Pb	Mg
CCB		1	17:15	Al		Ca		Fe	Pb	Mg
WU2426-001	C03V-02ES-06-0804	50	17:24						Pb	
WU2426-002	C03V-02ES-12-0804	1	17:30						Pb	
WU2426-003	C03V-02ES-24-0804	1	17:37						Pb	
ZZZZZZ		1	17:44							
ZZZZZZ		1	17:50							
ZZZZZZ		1	17:57							
ZZZZZZ		1	18:04							
ZZZZZZ		1	18:16							
CCV		1	18:22	Al		Ca		Fe	Pb	Mg
CCB		1	18:29	Al		Ca		Fe	Pb	Mg
ZZZZZZ		1	18:36							
ZZZZZZ		5	18:42							
ZZZZZZ		1	18:49							
ZZZZZZ		1	18:56							
ZZZZZZ		1	19:02							
ZZZZZZ		1	19:09							
ZZZZZZ		1	19:16							
ZZZZZZ		1	19:23							
ZZZZZZ		1	19:29							
ZZZZZZ		1	19:36							
CCV		1	19:43	Al		Ca		Fe	Pb	Mg
CCB		1	19:49	Al		Ca		Fe	Pb	Mg
ZZZZZZ		1	19:56							
ZZZZZZ		1	20:03							

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Instrument ID: TJA TRACE ICP **File Name:** AUH11A

Date: 8/11/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
ZZZZZZ		1	20:10							
ZZZZZZ		1	20:16							
ZZZZZZ		5	20:23							
ZZZZZZ		1	20:30							
ZZZZZZ		1	20:36							
CRI		1	20:43	Al		Ca		Fe	Pb	Mg
ICSA		1	20:50	Al		Ca		Fe	Pb	Mg
ICSAB		1	20:56	Al		Ca		Fe	Pb	Mg
CCV		1	21:03	Al		Ca		Fe	Pb	Mg
CCB		1	21:10	Al		Ca		Fe	Pb	Mg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Instrument ID: TJA 61 ICP **File Name:** BUH10A

Date: 8/10/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
S0		1	16:23	Al	Ca	Fe	Mg	K	Na
S1		1	16:29	Al	Ca	Fe	Mg	K	Na
AL IEC		1	16:34	Al	Ca	Fe	Mg	K	Na
FE IEC		1	16:43	Al	Ca	Fe	Mg	K	Na
ICV		1	16:51	Al	Ca	Fe	Mg	K	Na
ICB		1	16:57	Al	Ca	Fe	Mg	K	Na
PQL		1	17:02	Al	Ca	Fe	Mg	K	Na
CRI		1	17:08	Al	Ca	Fe	Mg	K	Na
ICSA		1	17:14	Al	Ca	Fe	Mg	K	Na
ICSAB		1	17:25	Al	Ca	Fe	Mg	K	Na
CCV		1	17:31	Al	Ca	Fe	Mg	K	Na
CCB		1	17:36	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	17:42						
ZZZZZZ		1	17:48						
ZZZZZZ		1	17:53						
ZZZZZZ		5	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						
CCV		1	18:38	Al	Ca	Fe	Mg	K	Na
CCB		1	18:46	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	18:52						
ZZZZZZ		1	18:57						
ZZZZZZ		1	19:03						
ZZZZZZ		1	19:09						
ZZZZZZ		1	19:14						
ZZZZZZ		1	19:20						
ZZZZZZ		1	19:25						
ZZZZZZ		1	19:31						
ZZZZZZ		1	19:37						
ZZZZZZ		1	19:42						
CCV		1	19:48	Al	Ca	Fe	Mg	K	Na
CCB		1	19:54	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	19:59						
ZZZZZZ		1	20:05						
ZZZZZZ		1	20:11						
ZZZZZZ		1	20:16						
ZZZZZZ		1	20:22						
ZZZZZZ		1	20:27						
ZZZZZZ		1	20:33						
CRI		1	20:39	Al	Ca	Fe	Mg	K	Na
ICSA		1	20:44	Al	Ca	Fe	Mg	K	Na
ICSAB		1	20:50	Al	Ca	Fe	Mg	K	Na
CCV		1	20:56	Al	Ca	Fe	Mg	K	Na
CCB		1	21:01	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	21:07						
ZZZZZZ		1	21:13						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Instrument ID: TJA 61 ICP **File Name:** BUH10A

Date: 8/10/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ZZZZZZ		1	21:18						
ZZZZZZ		1	21:24						
ZZZZZZ		5	21:29						
ZZZZZZ		1	21:35						
ZZZZZZ		1	21:41						
ZZZZZZ		1	21:46						
ZZZZZZ		1	21:52						
ZZZZZZ		1	21:58						
CCV		1	22:03	Al	Ca	Fe	Mg	K	Na
CCB		1	22:09	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	22:15						
ZZZZZZ		1	22:20						
ZZZZZZ		1	22:26						
ZZZZZZ		1	22:31						
ZZZZZZ		1	22:37						
ZZZZZZ		1	22:43						
ZZZZZZ		1	22:48						
ZZZZZZ		1	22:54						
ZZZZZZ		1	23:00						
ZZZZZZ		5	23:05						
CCV		1	23:11	Al	Ca	Fe	Mg	K	Na
CCB		1	23:17	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	23:22						
ZZZZZZ		1	23:28						
ZZZZZZ		1	23:33						
ZZZZZZ		1	23:39						
ZZZZZZ		1	23:45						
ZZZZZZ		1	23:50						
ZZZZZZ		5	23:56						
CRI		1	0:02	Al	Ca	Fe	Mg	K	Na
ICSA		1	0:07	Al	Ca	Fe	Mg	K	Na
ICSAB		1	0:13	Al	Ca	Fe	Mg	K	Na
CCV		1	0:19	Al	Ca	Fe	Mg	K	Na
CCB		1	0:24	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	0:30						
ZZZZZZ		1	0:36						
ZZZZZZ		1	0:41						
PBSUH10ICS0		1	0:47					K	Na
LCSOUH10ICS0		1	0:52					K	Na
WU2426-001	C03V-02ES-06-0804	1	0:58					K	Na
WU2426-002	C03V-02ES-12-0804	1	1:04					K	Na
WU2426-003	C03V-02ES-24-0804	1	1:09					K	Na
WU2426-004	C03V-02C-06-0804	1	1:15					K	Na
WU2426-005	C03V-02C-12-0804	1	1:21					K	Na
CCV		1	1:26	Al	Ca	Fe	Mg	K	Na
CCB		1	1:32	Al	Ca	Fe	Mg	K	Na
WU2426-006	C03V-02C-24-0804	1	1:38					K	Na
WU2426-007	C03V-01C-06-0804	1	1:43					K	Na
WU2426-008	C03V-01C-12-0804	1	1:49					K	Na
WU2426-009	C03V-01C-24-0804	1	1:55					K	Na
WU2426-010	C03V-01WS-06-0804	1	2:00					K	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Instrument ID: TJA 61 ICP **File Name:** BUH10A

Date: 8/11/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
WU2426-011	C03V-01WS-12-0804	1	2:06					K	Na
WU2426-012	C03V-01WS-24-0804	1	2:12					K	Na
WU2426-013	C03V-09C-06-0804	1	2:17					K	Na
WU2426-014	C03V-09C-12-0804	1	2:23					K	Na
WU2426-015	C03V-09C-24-0804	1	2:29					K	Na
CCV		1	2:34	Al	Ca	Fe	Mg	K	Na
CCB		1	2:40	Al	Ca	Fe	Mg	K	Na
WU2426-015L	C03V-09C-24-0804L	5	2:45					K	Na
WU2426-015S	C03V-09C-24-0804S	1	2:51					K	Na
WU2426-015P	C03V-09C-24-0804P	1	2:57					K	Na
WU2426-016	C03V-13C-06-0804	1	3:02					K	Na
WU2426-017	C03V-13C-12-0804	1	3:08					K	Na
WU2426-018	C03V-13C-24-0804	1	3:14					K	Na
WU2426-019	C03V-14C-06-0804	1	3:19					K	Na
CRI		1	3:25	Al	Ca	Fe	Mg	K	Na
ICSA		1	3:31	Al	Ca	Fe	Mg	K	Na
ICSAB		1	3:36	Al	Ca	Fe	Mg	K	Na
CCV		1	3:42	Al	Ca	Fe	Mg	K	Na
CCB		1	3:48	Al	Ca	Fe	Mg	K	Na
WU2426-020	C03V-14C-12-0804	1	3:53					K	Na
ZZZZZZ		1	3:59						
ZZZZZZ		1	4:05						
ZZZZZZ		1	4:10						
ZZZZZZ		5	4:16						
ZZZZZZ		1	4:21						
ZZZZZZ		1	4:27						
ZZZZZZ		1	4:33						
ZZZZZZ		1	4:38						
ZZZZZZ		1	4:44						
CCV		1	4:50	Al	Ca	Fe	Mg	K	Na
CCB		1	4:55	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	5:01						
ZZZZZZ		1	5:07						
ZZZZZZ		1	5:12						
ZZZZZZ		1	5:18						
ZZZZZZ		1	5:24						
ZZZZZZ		1	5:29						
ZZZZZZ		1	5:35						
ZZZZZZ		1	5:41						
ZZZZZZ		1	5:46						
CCV		1	5:52	Al	Ca	Fe	Mg	K	Na
CCB		1	5:58	Al	Ca	Fe	Mg	K	Na
CRI		1	6:03	Al	Ca	Fe	Mg	K	Na
ICSA		1	6:09	Al	Ca	Fe	Mg	K	Na
ICSAB		1	6:15	Al	Ca	Fe	Mg	K	Na
CCV		1	6:20	Al	Ca	Fe	Mg	K	Na
CCB		1	6:26	Al	Ca	Fe	Mg	K	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Instrument ID: CETAC M6100 **File Name:** HUH10B

Date: 8/10/2004 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	17:27	Hg
Standard #1 (0.2 p		1	17:29	Hg
Standard #2 (0.5 p		1	17:31	Hg
Standard #3 (1.0 p		1	17:33	Hg
Standard #4 (5.0 p		1	17:36	Hg
Standard #5 (10.0		1	17:38	Hg
ICV		1	17:40	HG
ICB		1	17:42	HG
CRA		1	17:44	HG
ZZZZZZ		1	17:46	
ZZZZZZ		1	17:48	
ZZZZZZ		1	17:50	
ZZZZZZ		1	17:53	
ZZZZZZ		1	17:55	
ZZZZZZ		1	17:57	
ZZZZZZ		1	17:59	
ZZZZZZ		1	18:01	
ZZZZZZ		1	18:03	
CCV		1	18:05	HG
CCB		1	18:07	HG
ZZZZZZ		1	18:10	
ZZZZZZ		1	18:12	
ZZZZZZ		1	18:14	
ZZZZZZ		1	18:16	
ZZZZZZ		1	18:18	
ZZZZZZ		1	18:20	
LCSOUH10HGS0		1	18:22	HG
PBSUH10HGS0		1	18:24	HG
WU2426-001	C03V-02ES-06-0804	1	18:27	HG
WU2426-002	C03V-02ES-12-0804	1	18:29	HG
CCV		1	18:31	HG
CCB		1	18:33	HG
WU2426-003	C03V-02ES-24-0804	1	18:35	HG
WU2426-004	C03V-02C-06-0804	1	18:37	HG
WU2426-005	C03V-02C-12-0804	1	18:39	HG
WU2426-006	C03V-02C-24-0804	1	18:41	HG
WU2426-007	C03V-01C-06-0804	1	18:44	HG
WU2426-008	C03V-01C-12-0804	1	18:46	HG
WU2426-009	C03V-01C-24-0804	1	18:48	HG
WU2426-010	C03V-01WS-06-0804	1	18:50	HG
WU2426-011	C03V-01WS-12-0804	1	18:52	HG
WU2426-012	C03V-01WS-24-0804	1	18:54	HG
CCV		1	18:56	HG
CCB		1	18:59	HG
WU2426-013	C03V-09C-06-0804	1	19:01	HG
WU2426-014	C03V-09C-12-0804	1	19:03	HG
WU2426-015	C03V-09C-24-0804	1	19:05	HG
WU2426-015P	C03V-09C-24-0804P	1	19:07	HG
WU2426-015S	C03V-09C-24-0804S	1	19:09	HG
WU2426-016	C03V-13C-06-0804	1	19:12	HG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-6

Instrument ID: CETAC M6100 **File Name:** HUH10B

Date: 8/10/2004 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
WU2426-017	C03V-13C-12-0804	1	19:14	HG
WU2426-018	C03V-13C-24-0804	1	19:16	HG
WU2426-019	C03V-14C-06-0804	1	19:18	HG
WU2426-020	C03V-14C-12-0804	1	19:20	HG
CCV		1	19:22	HG
CCB		1	19:24	HG

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**AUGUST 26, 2004**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- SVOA/PCB CTO 349, NAS KEY WEST SDG 3517**		
SAMPLES:	11/Solid		

C03V-10F-48-0804	C03V-14C-24-0804	C03V-15C-06-0804
C03V-15C-12-0804	C03V-15C-24-0804	C03V-15EN-06-0804
C03V-15EN-12-0804	C03V-15EN-24-0804	C03V-16SW-06-0804
C03V-16SW-12-0804	C03V-16SW-24-0804	

OVERVIEW

The sample set for CTO 349 NAS Key West, SDG 3517 consists of eleven (11) solid environmental samples. All samples were analyzed for polychlorinated biphenyls (PCBs).

The samples were collected by TetraTech NUS on August 9, 2004 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 SW-846 Method 8082 analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
• Initial/continuing calibrations
* • Laboratory method blank results
• Surrogate Recoveries
* • Detection Limits

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

PCBs

The surrogate tetrachloro-m-xylene had a recovery greater than the quality control criterion for sample C03V-16SW-24-0804 on the RTX-35 column. No action was taken on this basis because all other surrogate recoveries met criteria.

The surrogates tetrachloro-m-xylene and decachlorobiphenyl had recoveries greater than the quality control criterion for sample C03V-15C-24-0804 on the RTX-35 column. The positive result for Aroclor-1260 has been qualified as estimated (J) for sample C03V-15C-24-0804.

The surrogate recoveries for sample C03V-10F-48-0804 were diluted out because of a high concentration of Aroclor-1260. The high non-detect values for this sample are a result of the dilution for Aroclor-1260.

The continuing calibration average percent difference exceeded 15% for Aroclor-1260 on instrument "GC06" on 01/30/04 @20:03. No action was taken on this basis.

Additional Comments:

Positive results less than the reporting limit (RL) were qualified as estimated "J", due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: A continuing calibration exceeded percent difference criterion.

Other Factors Affecting Data Quality: Data was qualified due to surrogate non-compliance.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines 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

Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

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: 0693

SDG: 3517 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-10F-48-0804
samp_date	8/9/2004
lab_id	WU2427-11DL
qc_type	NM
units	UG/KG
Pct_Solids	84.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	400	U	
AROCLOR-1221	400	U	
AROCLOR-1232	400	U	
AROCLOR-1242	400	U	
AROCLOR-1248	400	U	
AROCLOR-1254	400	U	
AROCLOR-1260	34000		

nsample	C03V-14C-24-0804
samp_date	8/9/2004
lab_id	WU2427-1
qc_type	NM
units	UG/KG
Pct_Solids	90.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	19	U	

nsample	C03V-15C-06-0804
samp_date	8/9/2004
lab_id	WU2427-5
qc_type	NM
units	UG/KG
Pct_Solids	92.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	240		

PROJ_NO: 0693

SDG: 3517 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-15C-12-0804
samp_date	8/9/2004
lab_id	WU2427-6
qc_type	NM
units	UG/KG
Pct_Solids	93.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	1600		

nsample	C03V-15C-24-0804
samp_date	8/9/2004
lab_id	WU2427-7
qc_type	NM
units	UG/KG
Pct_Solids	93.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	420	J	R

nsample	C03V-15EN-06-0804
samp_date	8/9/2004
lab_id	WU2427-2
qc_type	NM
units	UG/KG
Pct_Solids	93.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	13	J	P

PROJ_NO: 0693

SDG: 3517 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-15EN-12-0804	nsample	C03V-15EN-24-0804	nsample	C03V-16SW-06-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2427-3	lab_id	WU2427-4	lab_id	WU2427-8
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	93.2	Pct_Solids	91.1	Pct_Solids	93.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	19	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	250		

PROJ_NO: 0693

SDG: 3517 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-16SW-12-0804	nsample	C03V-16SW-24-0804
samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2427-9	lab_id	WU2427-10
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	92.8	Pct_Solids	87.1
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	20	U	
AROCLOR-1221	20	U	
AROCLOR-1232	20	U	
AROCLOR-1242	20	U	
AROCLOR-1248	20	U	
AROCLOR-1254	20	U	
AROCLOR-1260	790		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/20/2004
Matrix: SOIL
% Solids: 84.6

Lab ID: WU2427-11DL
Client ID: C03V-10F-48-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	400	20	17	400	250
11104-28-2	Aroclor-1221	U	400	20	17	400	190
11141-16-5	Aroclor-1232	U	400	20	17	400	120
53469-21-9	Aroclor-1242	U	400	20	17	400	160
12672-29-6	Aroclor-1248	U	400	20	17	400	200
11097-69-1	Aroclor-1254	U	400	20	17	400	110
11096-82-5	Aroclor-1260		34000	20	17	400	200
877-09-8	Tetrachloro-m-xylene		D				
2051-24-3	Decachlorobiphenyl		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 90.3

Lab ID: WU2427-1
Client ID: C03V-14C-24-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.1
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.1
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.5
877-09-8	Tetrachloro-m-xylene		65%				
2051-24-3	Decachlorobiphenyl		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 92.1

Lab ID: WU2427-5
Client ID: C03V-15C-06-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.9
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	9.0
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260		240	1.0	17	18	9.3
877-09-8	Tetrachloro-m-xylene		95%				
2051-24-3	Decachlorobiphenyl		106%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 93.3

Lab ID: WU2427-6
Client ID: C03V-15C-12-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		1600	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		84%				
2051-24-3	Decachlorobiphenyl		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 93.7

Lab ID: WU2427-7
Client ID: C03V-15C-24-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.7
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		420	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		*106%				
2051-24-3	Decachlorobiphenyl		*114%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 93.4

Lab ID: WU2427-2
Client ID: C03V-15EN-06-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	J	13	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		92%				
2051-24-3	Decachlorobiphenyl		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 93.2

Lab ID: WU2427-3
Client ID: C03V-15EN-12-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		72%				
2051-24-3	Decachlorobiphenyl		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 91.1

Lab ID: WU2427-4
Client ID: C03V-15EN-24-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.0
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.1
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.4
877-09-8	Tetrachloro-m-xylene		88%				
2051-24-3	Decachlorobiphenyl		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/11/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 93.7

Lab ID: WU2427-8
Client ID: C03V-16SW-06-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.7
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		250	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		80%				
2051-24-3	Decachlorobiphenyl		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 92.8

Lab ID: WU2427-9
Client ID: C03V-16SW-12-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		94%				
2051-24-3	Decachlorobiphenyl		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS Key West
PO No:
Sample Date: 08/09/04
Received Date: 08/10/04
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 87.0

Lab ID: WU2427-10
Client ID: C03V-16SW-24-0804
SDG: CTO351-7
Extracted by: JFC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	20	1.0	17	20	12
11104-28-2	Aroclor-1221	U	20	1.0	17	20	9.4
11141-16-5	Aroclor-1232	U	20	1.0	17	20	6.1
53469-21-9	Aroclor-1242	U	20	1.0	17	20	7.7
12672-29-6	Aroclor-1248	U	20	1.0	17	20	9.5
11097-69-1	Aroclor-1254	U	20	1.0	17	20	5.4
11096-82-5	Aroclor-1260		790	1.0	17	20	9.8
877-09-8	Tetrachloro-m-xylene		*104%				
2051-24-3	Decachlorobiphenyl		102%				

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG 3517

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-15EN-12-0804	WU2427-003	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-10F-48-0804	WU2427-011	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-16SW-24-0804	WU2427-010	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-16SW-12-0804	WU2427-009	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-15EN-24-0804	WU2427-004	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-15EN-06-0804	WU2427-002	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-15C-24-0804	WU2427-007	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-15C-12-0804	WU2427-006	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-15C-06-0804	WU2427-005	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-14C-24-0804	WU2427-001	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-16SW-06-0804	WU2427-008	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-10F-48-0804	WU2427-011	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-16SW-12-0804	WU2427-009	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-16SW-06-0804	WU2427-008	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-15EN-24-0804	WU2427-004	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-15EN-12-0804	WU2427-003	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-15EN-06-0804	WU2427-002	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-15C-24-0804	WU2427-007	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-15C-12-0804	WU2427-006	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-14C-24-0804	WU2427-001	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-16SW-24-0804	WU2427-010	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-15C-06-0804	WU2427-005	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-16SW-06-0804	WU2427-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-10F-48-0804	WU2427-11	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15EN-24-0804	WU2427-4	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15EN-12-0804	WU2427-3	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-16SW-24-0804	WU2427-10	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15EN-06-0804	WU2427-2	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-16SW-12-0804	WU2427-9	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15C-24-0804	WU2427-7	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15C-12-0804	WU2427-6	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15C-06-0804	WU2427-5	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-14C-24-0804	WU2427-1	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-15EN-12-0804	WU2427-3	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-14C-24-0804	WU2427-1	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-15C-06-0804	WU2427-5	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-15C-12-0804	WU2427-6	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-15EN-06-0804	WU2427-2	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-15EN-24-0804	WU2427-4	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-16SW-06-0804	WU2427-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-16SW-12-0804	WU2427-9	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-16SW-24-0804	WU2427-10	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-10F-48-0804	WU2427-11DL	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-15C-24-0804	WU2427-7	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-10F-48-0804	WU2427-11DL	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-16SW-24-0804	WU2427-10	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-16SW-12-0804	WU2427-9	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-16SW-06-0804	WU2427-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-15EN-24-0804	WU2427-4	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-15EN-12-0804	WU2427-3	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-15EN-06-0804	WU2427-2	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-15C-24-0804	WU2427-7	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-15C-12-0804	WU2427-6	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-14C-24-0804	WU2427-1	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-15C-06-0804	WU2427-5	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST; SDG: CTO351-7
WU2427
TASK ORDER MANAGER: CHARLES BRYAN

Sample Receipt

The following samples were received on August 10, 2004 and were logged in under Katahdin Analytical Services work order number WU2427 for a hardcopy due date of September 5, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2427-1	C03V-14C-24-0804
WU2427-2	C03V-15EN-06-0804
WU2427-3	C03V-15EN-12-0804
WU2427-4	C03V-15EN-24-0804
WU2427-5	C03V-15C-06-0804
WU2427-6	C03V-15C-12-0804
WU2427-7	C03V-15C-24-0804
WU2427-8	C03V-16SW-06-0804
WU2427-9	C03V-16SW-12-0804
WU2427-10	C03V-16SW-24-0804
WU2427-11	C03V-10F-48-0804

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

The samples of SDG CTO351-7 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

Sample WU2427-10 had a high recovery for the extraction surrogate TCX on channel A, which was outside of the laboratory established acceptance limits. Since the recovery for TCX was within the acceptance limits on channel B and DCB on both channels, the sample was not reanalyzed.

Sample WU2427-7 had high recoveries for the extraction surrogates TCX and DCB on channel B, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX and DCB were within the acceptance limits on channel A, the sample was not reanalyzed.

The calibration verification standards (CV) (files 6UH2147, 6UH2166 and 6UH2177) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The laboratory control sample WG9127-2 had a high recovery for the spiked analyte Aroclor 1260, which was outside of the laboratory established acceptance limits. Since the laboratory control spike duplicate, WG9127-3, had an acceptable recovery, the associated samples were not reanalyzed.

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

Metals Analysis

The samples of Katahdin SDG CTO351-7 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Aqueous Waste", SW-846, November 1986, Third Edition.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Soil-matrix Katahdin Sample Nos. WU2427-(1-11) were digested for ICP analysis on 08/10/04 (QC Batch UH10ICS1) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2427-1 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (3.208 mg/L, corresponding to a dry-weight concentration of 320.8 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of SDG CTO351-7 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2427-(1-11) were digested for mercury analysis on 08/10/04 (QC Batch UH10HGS1) in accordance with USEPA Method 7471A. Katahdin Sample No. WU2427-11 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin SDG CTO351-7 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for all elements in the matrix-spike and matrix-spike duplicate aliquots of Katahdin Sample No. WU2427-1 are within the laboratory's acceptance limits (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added). The mercury recovery in the matrix-spike aliquot of Katahdin Sample No. WU2427-11 is within the laboratory's acceptance limits. The mercury recovery (132.2%) in the matrix-spike duplicate aliquot of Katahdin Sample No. WU2427-11 is outside the laboratory's acceptance limits.

The matrix-spike duplicate analyses of Katahdin Sample Nos. WU2427-(1, 11) are within the laboratory's acceptance limits (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

The serial dilution analysis of Katahdin Sample No. WU2427-1 is within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for all analytes.

Wet Chemistry Analysis

The samples of SDG CTO351-7 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

María Crouch
08.24.04
María Crouch
Quality Assurance Officer

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT

Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WM 2426 4WM 2427

PAGE: 1 OF 1

COOLER: 1 OF 1

CLIENT: Tetra Tech

PROJECT: C70351 Key West

COC#
SDG#
DATE / TIME RECEIVED: 8/10/04 0836
DELIVERED BY: FedEx
RECEIVED BY: DC
LIMS ENTRY BY: DC
LIMS REVIEW BY / PM: TLC

	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)=	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT Y or N?	☒	☐	☐	COOLER TEMP (°C)= 3.3 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 NEESC ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1): * 2 sample containers marked "C03U-02C-12-0804" with time of 1535. Covers marked "...02C-12..." and "...02C-24..." assumed cover labels were correct. TLC 8/10/04

(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.

000006

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: T & NUS
Contact: CHUCK BRYAN
Phone #: (305) 360-1548
Fax #: (803) 642-8454
Address: 900 TRAILRIDGE RD
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): CHUCK BRYAN / [signature]
Copies To:

LAB USE ONLY
WORK ORDER #: W42426, W42427
KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL METALS	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-13C-12-0804	9-8-04/1608	SOIL	1										
	C03V-13C-24-0804	9-8-04/1608												
	C03V-14C-06-0804	/1615												
	C03V-14C-12-0804	/1615												
	C03V-14C-24-0804	/1615												
	C03V-15EN-06-0804	/1630												
	C03V-15EN-12-0804	/1630												
	C03V-15EN-24-0804	/1630												
	C03V-15C-06-0804	/1623												
	C03V-15C-12-0804	/1623												
	C03V 15C-24-0804	/1623												
	C03V-16SW-06-0804	/1640												
	C03V-16SW.12-0804	/1641												
	C03V-16SW-24-0804	/1642												
	C03V-10F-48-0804	/1645												
	C03V-9C-0804MS	/1700												

COMMENTS
24-HR TAT ON ALL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	9-9-04 1728	[signature] Fri 9/10/04 0836			
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
0000008

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG9127-LCSD	WG9127-3	76	78	87	95			0
02	C03V-16SW-12-0804	WU2427-9	90	94	93	101			0
03	C03V-16SW-24-0804	WU2427-10	97	104*	92	102			1
04	WG9127-BLANK	WG9127-1	87	94	91	101			0
05	WG9127-LCS	WG9127-2	94	103	95	107			0
06	C03V-14C-24-0804	WU2427-1	58	65	88	96			0
07	C03V-15EN-06-0804	WU2427-2	83	92	90	99			0
08	C03V-15EN-12-0804	WU2427-3	64	72	94	102			0
09	C03V-15EN-24-0804	WU2427-4	80	88	92	102			0
10	C03V-15C-06-0804	WU2427-5	86	95	96	106			0
11	C03V-15C-12-0804	WU2427-6	76	84	84	93			0
12	C03V-15C-24-0804	WU2427-7	96	106*	101	114*			2
13	C03V-16SW-06-0804	WU2427-8	73	80	89	99			0
14	C03V-10F-48-0804	WU2427-11DL	D	D	D	D			0
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG9127-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Lab Sample ID: WG9127-1 Lab File ID: 6UH1137

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW846 3550

Sulfur Cleanup: (Y/N) N Date Extracted: 08/10/04

Date Analyzed (1): 08/10/04 Date Analyzed (2): 08/10/04

Time Analyzed (1): 1933 Time Analyzed (2): 1933

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): RTX-5 ID: 0.53(mm) GC Column (2): RTX-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG9127-LCSD	WG9127-3	6UH1131	08/10/04	08/10/04
02	C03V-16SW-12-0804	WU2427-9	6UH1135	08/10/04	08/10/04
03	C03V-16SW-24-0804	WU2427-10	6UH1136	08/10/04	08/10/04
04	WG9127-LCS	WG9127-2	6UH1138	08/10/04	08/10/04
05	C03V-14C-24-0804	WU2427-1	6UH1141	08/10/04	08/10/04
06	C03V-15EN-06-0804	WU2427-2	6UH1142	08/10/04	08/10/04
07	C03V-15EN-12-0804	WU2427-3	6UH1143	08/10/04	08/10/04
08	C03V-15EN-24-0804	WU2427-4	6UH1144	08/10/04	08/10/04
09	C03V-15C-06-0804	WU2427-5	6UH1145	08/10/04	08/10/04
10	C03V-15C-12-0804	WU2427-6	6UH1146	08/10/04	08/10/04
11	C03V-15C-24-0804	WU2427-7	6UH1149	08/11/04	08/11/04
12	C03V-16SW-06-0804	WU2427-8	6UH1150	08/11/04	08/11/04
13	C03V-10F-48-0804	WU2427-11DL	6UH1176	08/11/04	08/11/04
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 351 NAS Key West
PO No:
Sample Date:
Received Date:
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/11/2004
Matrix: SOIL
% Solids: 100

Lab ID: WG9127-1
Client ID: WG9127-Blank
SDG: CTO351-7
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	10
11104-28-2	Aroclor-1221	U	17	1.0	17	17	8.2
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	8.2
11097-69-1	Aroclor-1254	U	17	1.0	17	17	4.7
11096-82-5	Aroclor-1260	U	17	1.0	17	17	8.6
877-09-8	Tetrachloro-m-xylene		94%				
2051-24-3	Decachlorobiphenyl		101%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/10/04
Analysis Date: 08/10/04
Report Date: 08/20/2004
Matrix: SOIL

Lab ID: WG9127-2 & WG9127-3
Client ID: WG9127-LCS & WG9127-LCSD
SDG: CTO351-7
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9127
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.		LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	167	167	NA	186	154		112	92	19	50	56-116
Aroclor-1260	167	167	NA	203	173	*	122	104	16	50	59-118

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.13 DCB: 20.57

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	7.14	20.58
02	ICAL	AR1660 0.05P	01/30/04	1712	7.13	20.58
03	ICAL	AR1660 0.10P	01/30/04	1741	7.14	20.58
04	ICAL	AR1660 0.25P	01/30/04	1809	7.13	20.58
05	ICAL	AR1660 2.5PP	01/30/04	1838	7.13	20.57
06	ICAL	AR1660 10PPM	01/30/04	1906	7.13	20.57
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1248 1.0PP	01/30/04	2322		
11	ICAL	AR1254 1.0PP	01/31/04	0212		
12	ICAL	AR1221 1.0PP	01/31/04	0503		
13	ICAL	AR1232 1.0PP	01/31/04	0531		
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:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.92 DCB: 20.30

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/10/04	1122	6.92	20.31
02	WG9127-LCSD	WG9127-3	08/10/04	1642	6.92	20.30
03	C03V-16SW-12	WU2427-9	08/10/04	1836	6.92	20.30
04	C03V-16SW-24	WU2427-10	08/10/04	1904	6.92	20.30
05	WG9127-BLANK	WG9127-1	08/10/04	1933	6.92	20.30
06	WG9127-LCS	WG9127-2	08/10/04	2001	6.92	20.31
07	C03V-14C-24-	WU2427-1	08/10/04	2126	6.92	20.30
08	C03V-15EN-06	WU2427-2	08/10/04	2155	6.92	20.30
09	C03V-15EN-12	WU2427-3	08/10/04	2223	6.92	20.30
10	C03V-15EN-24	WU2427-4	08/10/04	2252	6.92	20.30
11	C03V-15C-06-	WU2427-5	08/10/04	2320	6.92	20.30
12	C03V-15C-12-	WU2427-6	08/10/04	2348	6.92	20.30
13	CV	AR1660 1.0PP	08/11/04	0017	6.92	20.31
14	C03V-15C-24-	WU2427-7	08/11/04	0114	6.92	20.31
15	C03V-16SW-06	WU2427-8	08/11/04	0142	6.92	20.30
16	CV	AR1660 1.0PP	08/11/04	0917	6.92	20.30
17	C03V-10F-48-	WU2427-11DL	08/11/04	1454		
18	CV	AR1660 1.0PP	08/11/04	1523	6.92	20.30
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:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.97 DCB: 21.01

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	6.94	20.99
02	ICAL	AR1660 0.05P	01/30/04	1712	6.94	20.99
03	ICAL	AR1660 0.10P	01/30/04	1741	6.95	20.99
04	ICAL	AR1660 0.25P	01/30/04	1809	6.94	20.99
05	ICAL	AR1660 2.5PP	01/30/04	1838	6.94	20.99
06	ICAL	AR1660 10PPM	01/30/04	1906	6.94	20.99
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1248 1.0PP	01/30/04	2322		
11	ICAL	AR1254 1.0PP	01/31/04	0212		
12	ICAL	AR1221 1.0PP	01/31/04	0503		
13	ICAL	AR1232 1.0PP	01/31/04	0531		
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:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.72 DCB: 20.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/10/04	1122	6.73	20.71
02	WG9127-LCSD	WG9127-3	08/10/04	1642	6.72	20.70
03	C03V-16SW-12	WU2427-9	08/10/04	1836	6.72	20.70
04	C03V-16SW-24	WU2427-10	08/10/04	1904	6.72	20.70
05	WG9127-BLANK	WG9127-1	08/10/04	1933	6.72	20.70
06	WG9127-LCS	WG9127-2	08/10/04	2001	6.72	20.70
07	C03V-14C-24-	WU2427-1	08/10/04	2126	6.72	20.71
08	C03V-15EN-06	WU2427-2	08/10/04	2155	6.72	20.70
09	C03V-15EN-12	WU2427-3	08/10/04	2223	6.72	20.70
10	C03V-15EN-24	WU2427-4	08/10/04	2252	6.72	20.71
11	C03V-15C-06-	WU2427-5	08/10/04	2320	6.72	20.71
12	C03V-15C-12-	WU2427-6	08/10/04	2348	6.72	20.70
13	CV	AR1660 1.0PP	08/11/04	0017	6.72	20.71
14	C03V-15C-24-	WU2427-7	08/11/04	0114	6.72	20.71
15	C03V-16SW-06	WU2427-8	08/11/04	0142	6.72	20.71
16	CV	AR1660 1.0PP	08/11/04	0917	6.72	20.70
17	C03V-10F-48-	WU2427-11DL	08/11/04	1454		
18	CV	AR1660 1.0PP	08/11/04	1523	6.71	20.70
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 10

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-10F
-48-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-7

Lab Sample ID: WU2427-11DL Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.64	15.78	27500		
Aroclor-1260	2	16.25	16.18	16.32	29000		
	3	16.84	16.77	16.91	32200		
COLUMN 1	4	17.51	17.44	17.58	35000		
	5	18.86	18.79	18.93	27000	30100	
	1	15.86	15.79	15.93	36700		
	2	16.76	16.69	16.83	31800		
	3	17.15	17.08	17.22	34200		
COLUMN 2	4	18.12	18.05	18.19	36000		
	5	19.25	19.18	19.32	30000	33800	10.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-15E
N-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-7

Lab Sample ID: WU2427-2 Date(s) Analyzed: 08/10/04 08/10/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	8.39		
Aroclor-1260	2	16.26	16.18	16.32	6.42		
	3	16.85	16.77	16.91	13.4		
COLUMN 1	4	17.52	17.44	17.58	14.4		
	5	18.86	18.79	18.93	15.8	11.7	
	1	15.86	15.79	15.93	13.2		
	2	16.77	16.69	16.83	9.08		
	3	17.16	17.09	17.23	12.9		
COLUMN 2	4	18.13	18.05	18.19	16.3		
	5	19.26	19.18	19.32	14.0	13.1	10.7
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-15C
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-7

Lab Sample ID: WU2427-5 Date(s) Analyzed: 08/10/04 08/10/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	201		
Aroclor-1260	2	16.26	16.18	16.32	191		
	3	16.84	16.77	16.91	230		
COLUMN 1	4	17.52	17.44	17.58	254		
	5	18.86	18.79	18.93	206	216	
	1	15.86	15.79	15.93	253		
	2	16.77	16.69	16.83	210		
	3	17.16	17.09	17.23	252		
COLUMN 2	4	18.12	18.05	18.19	262		
	5	19.26	19.18	19.32	234	242	10.7
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-15C
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-7

Lab Sample ID: WU2427-6 Date(s) Analyzed: 08/10/04 08/10/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	1330		
Aroclor-1260	2	16.25	16.18	16.32	1080		
	3	16.84	16.77	16.91	1700		
COLUMN 1	4	17.51	17.44	17.58	1820		
	5	18.86	18.79	18.93	1420	1470	
	1	15.85	15.79	15.93	1720		
	2	16.76	16.69	16.83	1200		
	3	17.16	17.09	17.23	1800		
COLUMN 2	4	18.12	18.05	18.19	1710		
	5	19.25	19.18	19.32	1540	1590	7.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-15C
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-7

Lab Sample ID: WU2427-7 Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	331		
Aroclor-1260	2	16.26	16.18	16.32	321		
	3	16.84	16.77	16.91	404		
COLUMN 1	4	17.52	17.44	17.58	454		
	5	18.85	18.79	18.93	377	377	
	1	15.86	15.79	15.93	402		
	2	16.77	16.69	16.83	354		
	3	17.16	17.09	17.23	435		
COLUMN 2	4	18.12	18.05	18.19	459		
	5	19.26	19.18	19.32	435	417	9.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-16S
W-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-7

Lab Sample ID: WU2427-8 Date(s) Analyzed: 08/11/04 08/11/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	208		
Aroclor-1260	2	16.26	16.18	16.32	204		
	3	16.84	16.77	16.91	225		
COLUMN 1	4	17.52	17.44	17.58	249		
	5	18.86	18.79	18.93	194	216	
	1	15.86	15.79	15.93	313		
	2	16.77	16.69	16.83	227		
	3	17.16	17.09	17.23	252		
COLUMN 2	4	18.12	18.05	18.19	260		
	5	19.26	19.18	19.32	221	254	15.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-16S
W-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CT0351-7

Lab Sample ID: WU2427-10 Date(s) Analyzed: 08/10/04 08/10/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	633		
Aroclor-1260	2	16.25	16.18	16.32	645		
	3	16.84	16.77	16.91	755		
COLUMN 1	4	17.51	17.44	17.58	834		
	5	18.86	18.79	18.93	706	715	
	1	15.86	15.79	15.93	804		
	2	16.76	16.69	16.83	729		
	3	17.16	17.09	17.23	797		
COLUMN 2	4	18.12	18.05	18.19	844		
	5	19.25	19.18	19.32	768	788	9.3
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date(s): 01/30/04 01/31/04

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 1644 0531

LAB FILE ID: RF0.05: 6UA4224 RF0.1: 6UA4225 RF0.25: 6UA4226
RF1: 6UA4230 RF2.5: 6UA4227 RF10: 6UA4228

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	3610	6995	14898	47378	104100	317680	2ORDR	-3.42e-002	2.057e-005	3.47e-011	0.99996	0.99000	
(2)	1582	3229	7115	24299	53242	166260	2ORDR	-2.64e-002	4.076e-005	1.176e-010	0.99996	0.99000	
(3)	5804	11157	23571	77152	172980	549660	2ORDR	-3.28e-002	1.285e-005	9.826e-012	0.99997	0.99000	
(4)	2561	5042	10881	36551	79398	250640	2ORDR	-3.33e-002	2.761e-005	4.961e-011	0.99994	0.99000	
(5)	1830	3694	8189	29026	64714	210850	2ORDR	-2.39e-002	3.472e-005	6.083e-011	0.99997	0.99000	
Aroclor-1221				18117			2ORDR	0.00000000	5.52e-005	0.00000000	1.00000	0.99000	<
(2)				12525			2ORDR	0.00000000	7.984e-005	0.00000000	1.00000	0.99000	<
(3)				35803			2ORDR	0.00000000	2.793e-005	0.00000000	1.00000	0.99000	<
(4)				9964			2ORDR	0.00000000	1.004e-004	0.00000000	1.00000	0.99000	<
Aroclor-1232				32462			2ORDR	0.00000000	3.081e-005	0.00000000	1.00000	0.99000	<
(2)				24871			2ORDR	0.00000000	4.021e-005	0.00000000	1.00000	0.99000	<
(3)				11524			2ORDR	0.00000000	8.678e-005	0.00000000	1.00000	0.99000	<
(4)				17040			2ORDR	0.00000000	5.869e-005	0.00000000	1.00000	0.99000	<
(5)				10301			2ORDR	0.00000000	9.708e-005	0.00000000	1.00000	0.99000	<
Aroclor-1242	3493	5404	12566	40712	88205	263660	2ORDR	-3.13e-002	2.368e-005	5.452e-011	0.99997	0.99000	
(2)	5329	8512	19813	64936	144840	450280	2ORDR	-2.92e-002	1.504e-005	1.607e-011	0.99998	0.99000	
(3)	2338	3791	9090	30157	66750	205080	2ORDR	-2.57e-002	3.217e-005	8.153e-011	0.99998	0.99000	
(4)	1588	2584	6263	20362	44309	133910	2ORDR	-2.83e-002	4.757e-005	2.041e-010	0.99997	0.99000	
(5)	2240	3634	8812	29622	65876	207230	2ORDR	-2.58e-002	3.327e-005	7.292e-011	0.99997	0.99000	
Aroclor-1248	2917	5411	12400	40574	87498	287290	2ORDR	-4.06e-002	2.579e-005	3.19e-011	0.99990	0.99000	
(2)	1737	3206	7567	25496	55554	181200	2ORDR	-3.27e-002	4.039e-005	8.27e-011	0.99993	0.99000	
(3)	3533	6470	14944	49708	108240	362410	2ORDR	-3.86e-002	2.115e-005	1.81e-011	0.99991	0.99000	
(4)	2850	5218	12144	40487	88480	295580	2ORDR	-3.7e-002	2.584e-005	2.749e-011	0.99992	0.99000	
(5)	2389	4425	10627	37001	82579	282820	2ORDR	-2.84e-002	2.812e-005	2.599e-011	0.99994	0.99000	
Aroclor-1254	1187	2287	5849	17543	41144	122750	2ORDR	-1.52e-002	5.129e-005	2.468e-010	0.99995	0.99000	
(2)	1382	2656	6720	20097	47304	141510	2ORDR	-1.58e-002	4.479e-005	1.836e-010	0.99995	0.99000	
(3)	2460	4693	11925	36509	90031	278210	2ORDR	-8.25e-003	2.439e-005	4.163e-011	0.99992	0.99000	
(4)	4771	8917	22286	67324	164730	516180	2ORDR	-1.43e-002	1.35e-005	1.143e-011	0.99993	0.99000	
(5)	3592	6828	17008	50941	123010	384390	2ORDR	-1.75e-002	1.801e-005	2.094e-011	0.99994	0.99000	
Aroclor-1260	3679	7204	15597	52127	124000	412290	2ORDR	-2.19e-002	1.865e-005	1.372e-011	0.99998	0.99000	
(2)	2832	5573	12168	40674	95807	317640	2ORDR	-2.3e-002	2.405e-005	2.362e-011	0.99998	0.99000	
(3)	5897	11469	24827	84341	202420	703050	2ORDR	-2.25e-002	1.173e-005	3.589e-012	0.99998	0.99000	
(4)	3310	6581	14544	49802	118380	401510	2ORDR	-1.99e-002	1.973e-005	1.301e-011	0.99999	0.99000	
(5)	1497	3024	6912	23843	56334	189580	2ORDR	-1.76e-002	4.116e-005	6.161e-011	0.99999	0.99000	
Tetrachloro-m-xylene	2649	4261	10472	35795	85539	280350	2ORDR	-2.83e-004	5.341e-007	6.431e-013	0.99999	0.99000	
Decachlorobiphenyl	1373	2834	6390	21448	48833	153540	2ORDR	-4.12e-004	9.004e-007	2.637e-012	0.99998	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date(s): 01/30/04 01/31/04

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 1644 0531

LAB FILE ID: RF0.05: 6UA3224 RF0.1: 6UA3225 RF0.25: 6UA3226
RF1: 6UA3230 RF2.5: 6UA3227 RF10: 6UA3228

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	1488	2933	6476	20911	50122	158460	2ORDR	-1.73e-002	4.457e-005	1.177e-010	0.99997	0.99000
(2)	3590	6920	14786	46465	109540	348280	2ORDR	-2.69e-002	2.051e-005	2.378e-011	0.99997	0.99000
(3)	1964	3840	8329	25896	62739	200740	2ORDR	-2.21e-002	3.61e-005	6.886e-011	0.99995	0.99000
(4)	1156	2312	5145	17041	42764	141500	2ORDR	-9.54e-003	5.418e-005	1.17e-010	0.99995	0.99000
(5)	1309	2506	5287	16906	37281	116290	2ORDR	-3.67e-002	5.865e-005	2.38e-010	0.99996	0.99000
Aroclor-1221				4615			2ORDR	0.00000000	2.167e-004	0.00000000	1.00000	0.99000 <
(2)				11045			2ORDR	0.00000000	9.054e-005	0.00000000	1.00000	0.99000 <
(3)				8096			2ORDR	0.00000000	1.235e-004	0.00000000	1.00000	0.99000 <
(4)				24183			2ORDR	0.00000000	4.135e-005	0.00000000	1.00000	0.99000 <
Aroclor-1232				21056			2ORDR	0.00000000	4.749e-005	0.00000000	1.00000	0.99000 <
(2)				10320			2ORDR	0.00000000	9.69e-005	0.00000000	1.00000	0.99000 <
(3)				22658			2ORDR	0.00000000	4.413e-005	0.00000000	1.00000	0.99000 <
(4)				13099			2ORDR	0.00000000	7.634e-005	0.00000000	1.00000	0.99000 <
(5)				8385			2ORDR	0.00000000	1.193e-004	0.00000000	1.00000	0.99000 <
Aroclor-1242	1737	2717	6394	21036	44724	138490	2ORDR	-3.73e-002	4.805e-005	1.765e-010	0.99992	0.99000
(2)	1399	2228	5421	18848	41471	129900	2ORDR	-2.36e-002	5.245e-005	1.904e-010	0.99997	0.99000
(3)	3321	5186	12070	40698	90743	282900	2ORDR	-2.68e-002	2.403e-005	4.036e-011	0.99998	0.99000
(4)	1840	2866	6834	23329	51926	163250	2ORDR	-2.55e-002	4.221e-005	1.177e-010	0.99998	0.99000
(5)	1095	1686	4159	15059	35050	114690	2ORDR	-1.35e-002	6.467e-005	1.974e-010	1.00000	0.99000
Aroclor-1248	1802	3282	7704	25659	55832	185500	2ORDR	-3.7e-002	4.076e-005	7.204e-011	0.99991	0.99000
(2)	1507	2800	6736	23406	52033	178150	2ORDR	-2.92e-002	4.458e-005	6.582e-011	0.99994	0.99000
(3)	2130	3885	8984	30135	65638	221970	2ORDR	-3.86e-002	3.508e-005	4.574e-011	0.99990	0.99000
(4)	2285	4098	9538	32533	70944	240900	2ORDR	-3.67e-002	3.252e-005	3.801e-011	0.99991	0.99000
(5)	1553	2920	7030	25178	56948	198880	2ORDR	-2.4e-002	4.124e-005	4.61e-011	0.99995	0.99000
Aroclor-1254	3073	5810	13983	41152	97891	303840	2ORDR	-2.36e-002	2.251e-005	3.448e-011	0.99994	0.99000
(2)	1592	3133	8127	25632	63816	204560	2ORDR	-6.21e-003	3.54e-005	6.606e-011	0.99994	0.99000
(3)	3031	5795	14674	45296	111430	353080	2ORDR	-1.11e-002	2.011e-005	2.334e-011	0.99994	0.99000
(4)	2625	5000	12615	38453	94434	297880	2ORDR	-1.25e-002	2.366e-005	3.34e-011	0.99994	0.99000
(5)	1329	2603	6673	19864	47648	147970	2ORDR	-1.68e-002	4.616e-005	1.455e-010	0.99994	0.99000
Aroclor-1260	1756	3478	7533	24884	57806	193210	2ORDR	-2.84e-002	4.004e-005	6.143e-011	0.99998	0.99000
(2)	1632	3251	7165	24706	58761	200890	2ORDR	-1.98e-002	3.994e-005	4.948e-011	0.99999	0.99000
(3)	3703	7308	15981	55751	132930	463160	2ORDR	-2.03e-002	1.785e-005	8.179e-012	0.99999	0.99000
(4)	1802	3648	8288	29428	71213	247380	2ORDR	-1.29e-002	3.323e-005	2.929e-011	0.99999	0.99000
(5)	940	1996	4608	16501	39296	135760	2ORDR	-1.32e-002	5.983e-005	1.026e-010	0.99999	0.99000
Tetrachloro-m-xylene	1046	2133	4944	19038	47892	163420	2ORDR	1.061e-004	9.772e-007	1.504e-012	0.99998	0.99000
Decachlorobiphenyl	998	2047	4723	16129	36702	118840	2ORDR	-4.25e-004	1.224e-006	3.893e-012	0.99998	0.99000

FORM VI SV

Report Date: 17-Mar-2004 14:42

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06UC16A1.b\PCBA024B.M
Start Cal Date: 30-JAN-2004 16:44
End Cal Date : 20-FEB-2004 21:29
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
20-FEB-2004 19:35	AR1232	6UB3035.d
20-FEB-2004 16:45	AR1221	6UB3029.d
31-JAN-2004 02:41	ar1254	6UA3224.d
30-JAN-2004 23:50	AR1248	6UA3218.d
30-JAN-2004 21:00	AR1242	6UA3212.d
30-JAN-2004 17:12	AR1660	6UA3204.d
Cal Level: 2 , Cal Amount: 0.10000		
20-FEB-2004 20:03	AR1232	6UB3036.d
31-JAN-2004 03:09	ar1254	6UA3225.d
31-JAN-2004 00:19	AR1248	6UA3219.d
30-JAN-2004 21:28	AR1242	6UA3213.d
30-JAN-2004 17:41	AR1660	6UA3205.d
Cal Level: 3 , Cal Amount: 0.25000		
20-FEB-2004 20:32	AR1232	6UB3037.d
20-FEB-2004 17:41	AR1221	6UB3031.d
31-JAN-2004 03:38	ar1254	6UA3226.d
31-JAN-2004 00:47	AR1248	6UA3220.d
30-JAN-2004 21:57	AR1242	6UA3214.d
30-JAN-2004 18:09	AR1660	6UA3206.d
Cal Level: 4 , Cal Amount: 1.00000		
20-FEB-2004 19:06	AR1232	6UB3034.d
20-FEB-2004 16:16	AR1221	6UB3028.d
31-JAN-2004 02:12	ar1254	6UA3223.d
30-JAN-2004 23:22	AR1248	6UA3217.d
30-JAN-2004 20:32	AR1242	6UA3211.d
30-JAN-2004 16:44	AR1660	6UA3203.d
Cal Level: 5 , Cal Amount: 2.50000		
20-FEB-2004 21:00	AR1232	6UB3038.d
20-FEB-2004 18:10	AR1221	6UB3032.d
31-JAN-2004 04:06	ar1254	6UA3227.d
31-JAN-2004 01:16	AR1248	6UA3221.d
30-JAN-2004 22:25	AR1242	6UA3215.d

30-JAN-2004 18:38	AR1660	6UA3207.d

Cal Level: 6 , Cal Amount: 10.00000		
20-FEB-2004 21:29	AR1232	6UB3039.d
20-FEB-2004 18:38	AR1221	6UB3033.d
31-JAN-2004 04:34	ar1254	6UA3228.d
31-JAN-2004 01:44	AR1248	6UA3222.d
30-JAN-2004 22:54	AR1242	6UA3216.d
30-JAN-2004 19:06	AR1660	6UA3208.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

17-MAR-2004 02:10	AR1254	6UC1125.d
17-MAR-2004 01:41	AR1248	6UC1124.d
17-MAR-2004 01:13	AR1242	6UC1123.d
17-MAR-2004 00:45	AR1660	6UC1122.d
16-MAR-2004 23:48	AR1254	6UC1120.d
16-MAR-2004 23:19	AR1248	6UC1119.d
16-MAR-2004 22:51	AR1242	6UC1118.d
16-MAR-2004 22:23	AR1660	6UC1117.d
17-MAR-2004 02:10	ar1660	6UC2125.d
17-MAR-2004 01:41	ar1660	6UC2124.d
17-MAR-2004 01:13	ar1660	6UC2123.d
17-MAR-2004 00:45	ar1660	6UC2122.d
16-MAR-2004 23:48	ar1660	6UC2120.d
16-MAR-2004 23:19	ar1660	6UC2119.d
16-MAR-2004 22:51	ar1660	6UC2118.d
16-MAR-2004 22:23	ar1660	6UC2117.d
16-MAR-2004 12:26	AR1254	6UC1096.d
16-MAR-2004 11:57	AR1248	6UC1095.d
16-MAR-2004 12:26	ar1660	6UC2096.d
16-MAR-2004 11:57	ar1660	6UC2095.d
16-MAR-2004 11:27	AR1242	6UC1094.d
16-MAR-2004 11:27	ar1660	6UC2094.d
16-MAR-2004 10:58	AR1660	6UC1093.d
16-MAR-2004 10:58	ar1660	6UC2093.d
16-MAR-2004 10:30	ar1660	6UC2092.d
16-MAR-2004 10:30	ar1660	6UC1092.d

Report Date: 17-Mar-2004 14:42

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06UC16B1.B\PCBB024B.M
Start Cal Date: 30-JAN-2004 16:44
End Cal Date : 20-FEB-2004 21:29
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
20-FEB-2004 19:35	AR1232	6UB4035.d
20-FEB-2004 16:45	AR1221	6UB4029.d
31-JAN-2004 02:41	AR1254	6UA4224.d
30-JAN-2004 23:50	AR1248	6UA4218.d
30-JAN-2004 21:00	AR1242	6UA4212.d
30-JAN-2004 17:12	AR1660	6UA4204.d
Cal Level: 2 , Cal Amount: 0.10000		
20-FEB-2004 20:03	AR1232	6UB4036.d
20-FEB-2004 17:13	AR1221	6UB4030.d
31-JAN-2004 03:09	AR1254	6UA4225.d
31-JAN-2004 00:19	AR1248	6UA4219.d
30-JAN-2004 21:28	AR1242	6UA4213.d
30-JAN-2004 17:41	AR1660	6UA4205.d
Cal Level: 3 , Cal Amount: 0.25000		
20-FEB-2004 20:32	AR1232	6UB4037.d
20-FEB-2004 17:41	AR1221	6UB4031.d
31-JAN-2004 03:38	AR1254	6UA4226.d
31-JAN-2004 00:47	AR1248	6UA4220.d
30-JAN-2004 21:57	AR1242	6UA4214.d
30-JAN-2004 18:09	AR1660	6UA4206.d
Cal Level: 4 , Cal Amount: 1.00000		
20-FEB-2004 19:06	AR1232	6UB4034.d
20-FEB-2004 16:16	AR1221	6UB4028.d
31-JAN-2004 02:12	AR1254	6UA4223.d
30-JAN-2004 23:22	AR1248	6UA4217.d
30-JAN-2004 20:32	AR1242	6UA4211.d
30-JAN-2004 16:44	AR1660	6UA4203.d
Cal Level: 5 , Cal Amount: 2.50000		
20-FEB-2004 21:00	AR1232	6UB4038.d
20-FEB-2004 18:10	AR1221	6UB4032.d
31-JAN-2004 04:06	AR1254	6UA4227.d
31-JAN-2004 01:16	AR1248	6UA4221.d

30-JAN-2004 22:25	AR1242	6UA4215.d
30-JAN-2004 18:38	AR1660	6UA4207.d

Cal Level: 6 , Cal Amount: 10.00000		
20-FEB-2004 21:29	AR1232	6UB4039.d
20-FEB-2004 18:38	AR1221	6UB4033.d
31-JAN-2004 04:34	AR1254	6UA4228.d
31-JAN-2004 01:44	AR1248	6UA4222.d
30-JAN-2004 22:54	AR1242	6UA4216.d
30-JAN-2004 19:06	AR1660	6UA4208.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

16-MAR-2004 23:48	AR1254	6UC2120.d
16-MAR-2004 23:19	AR1248	6UC2119.d
16-MAR-2004 22:51	AR1242	6UC2118.d
17-MAR-2004 02:10	AR1254	6UC2125.d
17-MAR-2004 01:41	AR1248	6UC2124.d
17-MAR-2004 01:13	AR1242	6UC2123.d
17-MAR-2004 00:45	AR1660	6UC2122.d
16-MAR-2004 22:23	AR1660	6UC2117.d
16-MAR-2004 12:26	AR1254	6UC2096.d
16-MAR-2004 11:57	AR1248	6UC2095.d
16-MAR-2004 11:27	AR1242	6UC2094.d
16-MAR-2004 10:58	AR1660	6UC2093.d

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 01/30/04 Time: 1935

Lab File ID: 6UA3209 Init. Calib. Date(s): 01/30/04 01/31/04

Init. Calib. Times: 1644 0531

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0470000	1.0000000	22540.000	0.01	4.70	15.00	2RDR
(2)	1.0415000	1.0000000	49280.000	0.01	4.15	15.00	2RDR
(3)	1.0596000	1.0000000	28422.000	0.01	5.96	15.00	2RDR
(4)	1.0494000	1.0000000	18785.000	0.01	4.94	15.00	2RDR
(5)	1.0074000	1.0000000	16675.000	0.01	0.74	15.00	2RDR
Average %D: 4.1000							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 01/30/04 Time: 1935

Lab File ID: 6UA4209 Init. Calib. Date(s): 01/30/04 01/31/04

Init. Calib. Times: 1644 0531

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0426000	1.0000000	48402.000	0.01	4.26	15.00	2RDR
(2)	1.0308000	1.0000000	24242.000	0.01	3.08	15.00	2RDR
(3)	1.0286000	1.0000000	77937.000	0.01	2.86	15.00	2RDR
(4)	1.0259000	1.0000000	36035.000	0.01	2.59	15.00	2RDR
(5)	1.0180000	1.0000000	28576.000	0.01	1.80	15.00	2RDR
Average %D: 2.9200							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 01/30/04 Time: 2003

Lab File ID: 6UA3210 Init. Calib. Date(s): 01/30/04 01/31/04

Init. Calib. Times: 1644 0531

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	1.2251000	1.0000000	29933.000	0.01	22.51	15.00	2RDR	<-
(2)	1.1771000	1.0000000	28934.000	0.01	17.71	15.00	2RDR	<-
(3)	1.1684000	1.0000000	64691.000	0.01	16.84	15.00	2RDR	<-
(4)	1.0797000	1.0000000	31977.000	0.01	7.97	15.00	2RDR	
(5)	1.2304000	1.0000000	20093.000	0.01	23.04	15.00	2RDR	<-
Average %D: 17.620								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 01/30/04 Time: 2003

Lab File ID: 6UA4210 Init. Calib. Date(s): 01/30/04 01/31/04

Init. Calib. Times: 1644 0531

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	0.8890300	1.0000000	47201.000	0.01	-11.10	15.00	2RDR	
(2)	1.1301000	1.0000000	45875.000	0.01	13.01	15.00	2RDR	
(3)	1.1629000	1.0000000	98094.000	0.01	16.29	15.00	2RDR	<-
(4)	1.1249000	1.0000000	55950.000	0.01	12.49	15.00	2RDR	
(5)	1.2306000	1.0000000	29058.000	0.01	23.06	15.00	2RDR	<-
Average %D: 10.750								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 08/10/04 Time: 1122

Lab File ID: 6UH1123 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1011000	1.0000000	23622.000	0.01	10.11	15.00	2RDR
(2)	0.9823500	1.0000000	46686.000	0.01	-1.76	15.00	2RDR
(3)	1.0235000	1.0000000	27519.000	0.01	2.35	15.00	2RDR
(4)	0.9924500	1.0000000	17810.000	0.01	-0.76	15.00	2RDR
(5)	0.9929200	1.0000000	16458.000	0.01	-0.71	15.00	2RDR
Average %D: 1.8500							
Aroclor-1260	1.0434000	1.0000000	25751.000	0.01	4.34	15.00	2RDR
(2)	1.0394000	1.0000000	25705.000	0.01	3.94	15.00	2RDR
(3)	0.9553700	1.0000000	53365.000	0.01	-4.46	15.00	2RDR
(4)	0.9572200	1.0000000	28478.000	0.01	-4.28	15.00	2RDR
(5)	0.9534100	1.0000000	15731.000	0.01	-4.66	15.00	2RDR
Average %D: -1.020							
Tetrachloro-m-xylene	2.23e-002	2.e-002	1097200.0	0.01	11.50	15.00	2RDR
Decachlorobiphenyl	2.1e-002	2.e-002	832600.00	0.01	5.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 08/10/04 Time: 1122

Lab File ID: 6UH2123 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0912000	1.0000000	50426.000	0.01	9.12	15.00	2RDR
(2)	0.9847600	1.0000000	23249.000	0.01	-1.52	15.00	2RDR
(3)	1.0007000	1.0000000	75991.000	0.01	0.07	15.00	2RDR
(4)	1.0151000	1.0000000	35687.000	0.01	1.51	15.00	2RDR
(5)	0.9805200	1.0000000	27594.000	0.01	-1.95	15.00	2RDR
Average %D: 1.4500							
Aroclor-1260	0.9979400	1.0000000	52641.000	0.01	-0.21	15.00	2RDR
(2)	1.0661000	1.0000000	43430.000	0.01	6.61	15.00	2RDR
(3)	1.0056000	1.0000000	85400.000	0.01	0.56	15.00	2RDR
(4)	1.0330000	1.0000000	51601.000	0.01	3.30	15.00	2RDR
(5)	1.0277000	1.0000000	24496.000	0.01	2.77	15.00	2RDR
Average %D: 2.6100							
Tetrachloro-m-xylene	2.26e-002	2.e-002	2041400.0	0.01	13.00	15.00	2RDR
Decachlorobiphenyl	2.24e-002	2.e-002	1184200.0	0.01	12.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 0017

Lab File ID: 6UH1147 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0940000	1.0000000	23481.000	0.01	9.40	15.00	2RDR
(2)	0.9852600	1.0000000	46814.000	0.01	-1.47	15.00	2RDR
(3)	1.0139000	1.0000000	27279.000	0.01	1.39	15.00	2RDR
(4)	0.9928600	1.0000000	17817.000	0.01	-0.71	15.00	2RDR
(5)	0.9913900	1.0000000	16435.000	0.01	-0.86	15.00	2RDR
Average %D: 1.5500							
Aroclor-1260	1.0608000	1.0000000	26155.000	0.01	6.08	15.00	2RDR
(2)	1.0661000	1.0000000	26332.000	0.01	6.61	15.00	2RDR
(3)	0.9817100	1.0000000	54771.000	0.01	-1.83	15.00	2RDR
(4)	0.9736600	1.0000000	28949.000	0.01	-2.63	15.00	2RDR
(5)	0.9855300	1.0000000	16240.000	0.01	-1.45	15.00	2RDR
Average %D: 1.3600							
Tetrachloro-m-xylene	2.24e-002	2.e-002	1102400.0	0.01	12.00	15.00	2RDR
Decachlorobiphenyl	2.19e-002	2.e-002	866150.00	0.01	9.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 0017

Lab File ID: 6UH2147 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1878000	1.0000000	54418.000	0.01	18.78	15.00	2RDR	<-
(2)	1.0868000	1.0000000	25443.000	0.01	8.68	15.00	2RDR	
(3)	1.1005000	1.0000000	82915.000	0.01	10.05	15.00	2RDR	
(4)	1.1041000	1.0000000	38532.000	0.01	10.41	15.00	2RDR	
(5)	1.0863000	1.0000000	30361.000	0.01	8.63	15.00	2RDR	
Average %D: 11.310								
Aroclor-1260	1.0740000	1.0000000	56418.000	0.01	7.40	15.00	2RDR	
(2)	1.1329000	1.0000000	45983.000	0.01	13.29	15.00	2RDR	
(3)	1.0812000	1.0000000	91512.000	0.01	8.12	15.00	2RDR	
(4)	1.1103000	1.0000000	55259.000	0.01	11.03	15.00	2RDR	
(5)	1.1186000	1.0000000	26546.000	0.01	11.86	15.00	2RDR	
Average %D: 10.340								
Tetrachloro-m-xylene	2.5e-002	2.e-002	2249600.0	0.01	25.00	15.00	2RDR	<-
Decachlorobiphenyl	2.45e-002	2.e-002	1288400.0	0.01	22.50	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 0917

Lab File ID: 6UH1166 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0658000	1.0000000	22917.000	0.01	6.58	15.00	2RDR
(2)	0.9716000	1.0000000	46213.000	0.01	-2.84	15.00	2RDR
(3)	0.9965200	1.0000000	26842.000	0.01	-0.35	15.00	2RDR
(4)	0.9626700	1.0000000	17299.000	0.01	-3.73	15.00	2RDR
(5)	0.9663600	1.0000000	16058.000	0.01	-3.36	15.00	2RDR
Average %D: -0.740							
Aroclor-1260	1.0343000	1.0000000	25540.000	0.01	3.43	15.00	2RDR
(2)	1.0442000	1.0000000	25816.000	0.01	4.42	15.00	2RDR
(3)	0.9680700	1.0000000	54043.000	0.01	-3.19	15.00	2RDR
(4)	0.9504500	1.0000000	28284.000	0.01	-4.96	15.00	2RDR
(5)	0.9621100	1.0000000	15869.000	0.01	-3.79	15.00	2RDR
Average %D: -0.820							
Tetrachloro-m-xylene	2.19e-002	2.e-002	1077200.0	0.01	9.50	15.00	2RDR
Decachlorobiphenyl	2.12e-002	2.e-002	840100.00	0.01	6.00	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 0917

Lab File ID: 6UH2166 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1693000	1.0000000	53656.000	0.01	16.93	15.00	2RDR	<-
(2)	1.0614000	1.0000000	24900.000	0.01	6.14	15.00	2RDR	
(3)	1.0920000	1.0000000	82331.000	0.01	9.20	15.00	2RDR	
(4)	1.0813000	1.0000000	37805.000	0.01	8.13	15.00	2RDR	
(5)	1.0687000	1.0000000	29901.000	0.01	6.87	15.00	2RDR	
Average %D: 9.4500								
Aroclor-1260	1.0644000	1.0000000	55942.000	0.01	6.44	15.00	2RDR	
(2)	1.1309000	1.0000000	45905.000	0.01	13.09	15.00	2RDR	
(3)	1.0739000	1.0000000	90921.000	0.01	7.39	15.00	2RDR	
(4)	1.0980000	1.0000000	54678.000	0.01	9.80	15.00	2RDR	
(5)	1.0949000	1.0000000	26013.000	0.01	9.49	15.00	2RDR	
Average %D: 9.2400								
Tetrachloro-m-xylene	2.46e-002	2.e-002	2212600.0	0.01	23.00	15.00	2RDR	<-
Decachlorobiphenyl	2.37e-002	2.e-002	1248600.0	0.01	18.50	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 1523

Lab File ID: 6UH1177 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0581000	1.0000000	22762.000	0.01	5.81	15.00	2RDR
(2)	0.9369700	1.0000000	44685.000	0.01	-6.30	15.00	2RDR
(3)	0.9787100	1.0000000	26394.000	0.01	-2.13	15.00	2RDR
(4)	0.9457400	1.0000000	17008.000	0.01	-5.43	15.00	2RDR
(5)	0.9601300	1.0000000	15964.000	0.01	-3.99	15.00	2RDR
Average %D: -2.410							
Aroclor-1260	1.0320000	1.0000000	25487.000	0.01	3.20	15.00	2RDR
(2)	1.0260000	1.0000000	25389.000	0.01	2.60	15.00	2RDR
(3)	0.9379100	1.0000000	52432.000	0.01	-6.21	15.00	2RDR
(4)	0.9308200	1.0000000	27721.000	0.01	-6.92	15.00	2RDR
(5)	0.9389100	1.0000000	15501.000	0.01	-6.11	15.00	2RDR
Average %D: -2.690							
Tetrachloro-m-xylene	2.17e-002	2.e-002	1069800.0	0.01	8.50	15.00	2RDR
Decachlorobiphenyl	2.14e-002	2.e-002	844400.00	0.01	7.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-7

Instrument ID: GC06 Calibration Date: 08/11/04 Time: 1523

Lab File ID: 6UH2177 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1675000	1.0000000	53582.000	0.01	16.75	15.00	2RDR	<-
(2)	1.0554000	1.0000000	24772.000	0.01	5.54	15.00	2RDR	
(3)	1.0731000	1.0000000	81018.000	0.01	7.31	15.00	2RDR	
(4)	1.0819000	1.0000000	37824.000	0.01	8.19	15.00	2RDR	
(5)	1.0513000	1.0000000	29448.000	0.01	5.13	15.00	2RDR	
Average %D: 8.5800								
Aroclor-1260	1.0585000	1.0000000	55648.000	0.01	5.85	15.00	2RDR	
(2)	1.1276000	1.0000000	45781.000	0.01	12.76	15.00	2RDR	
(3)	1.0559000	1.0000000	89464.000	0.01	5.59	15.00	2RDR	
(4)	1.0896000	1.0000000	54279.000	0.01	8.96	15.00	2RDR	
(5)	1.0929000	1.0000000	25968.000	0.01	9.29	15.00	2RDR	
Average %D: 8.4900								
Tetrachloro-m-xylene	2.46e-002	2.e-002	2213600.0	0.01	23.00	15.00	2RDR	<-
Decachlorobiphenyl	2.38e-002	2.e-002	1251300.0	0.01	19.00	15.00	2RDR	<-

FORM VII PEST

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2ul

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
1-29-04	LAD	6UA3/4 174	WU0059-10 3510	N	Y	PCB A/B023A.M	246/245	
		175	AR1660 1.0PPM P2753	N	Y			1016, 1260 TCX ↑ A OK
		176	1242 P2693	N	Y			↑B AOK
		177	1248 P2726	N	Y			↑B AOK
		178	1254 P2715	N	Y			
	Changed liner and clipped					Column replaced		Septa
1-29-04	LAD	6UA3/4 179	AR1660 1.0PPM P2753	—	—	PCB A/B023A.M	246/245	
		180	hex	—	—			
		181		—	—			
		182		—	—			
		183	AR1660 1.0PPM P2753	Y	Y			1016, TCX ↑ B
		184	AR1242 1.0PPM P2693	N	Y			B↑
		185	AR1248 P2726	N	Y			
		186	AR1254 P2715	N	Y			
		187	WG5516-3 3545	N				
		188	-4	N				
		189	-5					
		190	-6					
		191	AR1660 1.0PPM P2753	N	Y			B↑
		192	1242 P2693	N	Y			
		193	1248 P2726	N	Y			
		194	1254 P2715	N	Y			
1-30-04		195	WU0043-1 3545	N				48, 54, 60 ?
		196	-2					
		197	-3					62?
		198	-4					
		199	AR1262 1.0PPM P2741					
		200	AR1268 1.0PPM P2743					
		201	hexane					
		202	hexane					
		203	AR1660 1.0PPM P2753			PCB A/B 024A.M		
		204	0.05 P2701					

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2ul

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
1-30-04	LAD	LWA3/4205	AR1660 0.10 PPm P2704	N	Y	PCB/8024A.M	246/245	
		206	0.25 P2706					
		207	2.5 P2703					
		208	10 P2702					
		209	AR1016 1.0PPm P2644					
		210	AR1260 1.0 PPm P2645					
		211	AR1242 1.0PPm P2697	Y				
		212	0.05 P2696					
		213	0.10 P2695					
		214	0.25 P2694					
		215	2.5 P2692					
		216	10 P2673	N				
		217	AR1248 1.0PPm P2734	N				
		218	0.05 P2739	Y				
1-31-04		219	0.10 P2738	Y				
		220	0.25 P2737	Y				
		221	2.5 P2735	N				
		222	10 P2734					
		223	AR1254 1.0PPm P2769					
		224	0.05 P2718	Y				
		225	0.10 P2717	Y				
		226	0.25 P2716	N				
		227	2.5 P2714					
		228	10 P2680					
		229	AR1221 1.0PPm P2756	Y				
		230	1232 P2759	Y				
		231	1262 P2741	N				
		232	1268 P2743					
		233	1254II P2547		Y			for pattern recog. only
		234	WG5647-1 3545	N	Y			
		235	-2					
		236	-3					

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2uL

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
08.06.04	SDW	1uH½095	WG9033-4 3545	N	Y	PCBA/B024B	246/245	
		96	↓ -5					TCX↑B
		97	WU2388-3DL					1:5 50/250uL
		98	AR1242 1.0PPM P2895 ~~P2890~~					
		99	AR1248 P2865 ~~P2875~~					
		100	AR1254 P2893 ~~P2865~~					
		101	AR1660 P2890					DCB↑B TCX↑A+B
08.07.04		102	Prime	N	N			
		103	AR1660 1.0PPM P2890		Y			
		104	AR1242 P2895					
		105	AR1248 P2865					
		106	AR1254 P2893					A↓
		107	WU2388-15DL 3545	Y	Y			1:20 50uL/1mL
		108	WU2358-9REDL					1:20
		109	Hexane	N	N			
		110	GC0140		Y			
		111	WG8938-1 3540					
		112	-2					
		113	WU2316-2	Y				
		114	-3					
		115	-4					
		116	WG8938-3					
		117	-4					
		118	AR1660 1.0PPM P2890	N	Y			TCX, DCB↑B
		119	AR1242 P2895					
		120	AR1248 P2865					
		121	AR1254 P2893					
08.10.04		122	Prime	N	N			
		123	AR1660 1.0PPM P2890		Y			
		124	AR1242 P2895					
		125	AR1248 P2865					
		126	AR1254 P2893					A↓

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2 uL

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
08-10-04	SMW	1011H'12 127	WG9122 -1 3545	N	Y	PCBA/B024B	246/245	
		128	↓ -2 ↓					
		129	WU2426-1					
		130	↓ -4 ↓					
		131	WG9127 -3 3550	↓				
		132	WU2426-16	Y				DCB ↓ A
		133	-19	N				DCB ↓ A
		134	↓ -20					DCB ↓ A TCX ↓ A
		135	WU2427-9					DCB ↓ A
		136	-10 ↓					DCB ↓ A; TCX ↑ B
		137	WG9127 -1 3550	↓				
		138	↓ -2	Y				1260 ↑ B
		139	WU2426-17	N				DCB ↓ A + B TCX ↓ A
		140	↓ -18	Y				DCB ↓ A + B TCX ↓ A
		141	WU2427-1	N				
		142	-2					
		143	-3					
		144	-4					
		145	-5					
↓		146	↓ -6 ↓	↓	↓			
08-11-04		147	AR1660 1.0ppM P2890		Y			TCX, DCB ↑ B
		148	AR1242 ↓ P2895	↓	↓			
		149	WU2427-7 3550	Y	Y			TCX + DCB ↑ B
		150	-8	N	↓			
		151	↓ -11 ↓		N			Rerun 1:20
		152	WU2426-2 3545		Y			DCB ↓ A + B
		153	-3					
		154	-5					DCB ↓ A + B
		155	-6					
		156	-7					Rerun for 1254
		157	-8					TCX ↑ B
↓	↓	↓ 158	↓ -9 ↓	↓	↓	↓	↓	

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2 uL

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
08-11-04	SRW	6HH12159	WU2426-10 3545	Y	Y	PCB A/B 024B	246/245	
		160	WU2316-2RA 3540					3660
		161	-3RA	N				
		162	-4RA					
		163	WG8938-1RA					
		164	-2RA					
		165	-3RA					
		166	AR1660 1.0PPM P2890	N	Y			
		167	AR1242 1.0PPM P2895					
		168	WU2426-11 3545		Y			
		169	-12					
		170	-13					
		171	-14					
		172	-15					
		173	WG9122-3					
		174	-4					
		175	WG8938-4RA 3540	Y				3660
		176	WU2427-11DL 3550	N				1:20 50 ug/mL
		177	~~WG9146-1 AR1660 1.0 PPM~~					P2890 TCX, DCB↑B
		178	~~-2 AR1254~~ 1242					P2895
		179	AR1248 1.0PPM					P2865
		180	AR1254					P2893 A↓
		181	WG9146-1 3550					~~DCB↓B~~
		182	-2					~~DCB, 1016, 1260↓B~~
		183	WU2451-1					~~DCB, TCX↓B~~
		184	-2	Y				~~DCB, TCX↓B~~
		185	-3	N				DCB↑A; ~~DCB↓B~~
		186	-4					~~DCB, TCX↓B~~
		187	-5					TCX↓A+B; ~~DCB↓B~~
		188	-6					~~DCB, TCX↓B~~
		189	-7					~~DCB, TCX↓B~~
		190	-8					DCB↑A; ~~DCB↓B~~

8-12-04 SRW

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - SOIL PESTICIDE/PCB

PCB - SON

Extraction Method: SW846 3550 (sonication) ✓ SW846 3540 (soxhlet)____ SW846 3545 (ase)____

Analytical Method: SW846 8081____ SW846 8082 ✓ CLP OLM03.1____ CLP OLM04.2____

Date QC Started: 8-10-04 QC Expiration Date: 8-24-04 QC Batch ID____

Surrogate ID: NB 8-24-04 GC0136 Spike ID: PCB : GC0140 Spike ID:____

Solvent Lot # $MeCl_2$: A18E10 Solvent Lot # Hexane : A02E41

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8-10-04	NB	NG 9127 -1	30g	1.0 mL	NR		✓	10mL	8-10-04	RP577 E6	MC			✓		R22984
↓	↓	↓ -2	↓	↓	1.0 mL		✓	↓	↓	E7	↓			✓		
↓	↓	↓ -3	↓	↓	↓		✓	↓	↓	E8	↓			✓		

PCB-SON

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8-10-04	JFC	WV2426-16	30g	1.0 mL	NR		✓	10mL	8-10-04	RR577 E9	MC			✓		
		-17					✓			F10						
		-18					✓			E1						
		-19					✓			E12						
		-20					✓			F1						
		WV2427-1					✓			F2						
		-2					✓			F3						
		-3					✓			F4						
		-4					✓			F5						
		-5					✓			F6						
		-6					✓			F7						
		-7					✓			F8						
		-8					✓			F9						
		-9					✓			F10						
		-10					✓			F11						
		-11			✓		✓			F12						

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**AUGUST 27, 2004**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS + TIN**
NAS KEY WEST – CTO 349
SAMPLE DELIVERY GROUP (SDG) – 3517

SAMPLES: 11/SOIL/

C03V-10F-48-0804	C03V-14C-24-0804	C03V-15C-06-0804
C03V-15C-12-0804	C03V-15C-24-0804	C03V-15EN-06-0804
C03V-15EN-12-0804	C03V-15EN-24-0804	C03V-16SW-06-0804
C03V-16SW-12-0804	C03V-16SW-24-0804	

Overview

The sample set for NAS Key West, CTO 349, SDG 3517, consists of eleven (11) soil environmental samples.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by Tetra Tech NUS on August 9, 2004 and analyzed by Katahdin Analytical Services. Metals analyses except mercury were conducted using SW846 method 6010B. Mercury analyses were conducted using SW846 method 7471A.

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

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
  • Laboratory Blank Analyses
* • Detection Limits

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	96.97 ug/L	48.49 mg/kg
Antimony	2.58 ug/L	1.29 mg/kg
Barium	0.33 ug/L	0.17 mg/kg
Cadmium	0.46 ug/L	0.23 mg/kg
Calcium[1]	320.79 mg/kg	1604 mg/kg
Copper	4.95 ug/L	2.48 mg/kg
Iron	26.50 ug/L	13.25 mg/kg
Lead	2.46 ug/L	1.23 mg/kg
Magnesium	60.89 ug/L	30.45 mg/kg
Manganese	0.32 ug/L	0.16 mg/kg
Nickel	1.44 ug/L	0.72 mg/kg
Potassium	608.58 ug/L	304.29 mg/kg
Sodium[1]	5.734 mg/kg	28.67 mg/kg
Tin[1]	2.74 mg/kg	13.7 mg/kg
Zinc[1]	0.408 mg/kg	2.04 mg/kg

[1] Maximum concentration present in laboratory preparation blank.

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

Notes

Dilutions were performed for calcium in all samples due to the concentrations of calcium above the linear range of the instrument.

Executive Summary

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

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", 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: 0693

SDG: 3517 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-10F-48-0804	nsample	C03V-14C-24-0804	nsample	C03V-15C-06-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2427-011	lab_id	WU2427-001	lab_id	WU2427-005
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	84.6	Pct_Solids	90.3	Pct_Solids	92.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	305		
ANTIMONY	0.58	U	A
ARSENIC	1.3		
BARIUM	17.4		
BERYLLIUM	0.02	U	
CADMIUM	0.16	U	A
CALCIUM	350000		
CHROMIUM	3.3		
COBALT	0.19		
COPPER	9.8		
IRON	891		
LEAD	64.4		
MAGNESIUM	5540		
MANGANESE	11.4		
MERCURY	0.1		
NICKEL	0.81		
POTASSIUM	22.86	U	
SELENIUM	0.36	U	
SILVER	0.07	U	
SODIUM	2020		
THALLIUM	0.39	U	
TIN	5.8	U	A
VANADIUM	2.1		
ZINC	35.1		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	702		
ANTIMONY	0.24	U	A
ARSENIC	0.88		
BARIUM	5.5		
BERYLLIUM	0.08		
CADMIUM	0.08	U	A
CALCIUM	180000		
CHROMIUM	5.3		
COBALT	0.22		
COPPER	1.1	U	A
IRON	513		
LEAD	0.68	U	A
MAGNESIUM	1500		
MANGANESE	20.8		
MERCURY	0.01	U	
NICKEL	1		
POTASSIUM	94.4	U	A
SELENIUM	0.26	U	
SILVER	0.05	U	
SODIUM	233		
THALLIUM	0.28	U	
TIN	1.9	U	A
VANADIUM	5.3		
ZINC	1.1	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	784		
ANTIMONY	0.2	U	
ARSENIC	0.96		
BARIUM	6.6		
BERYLLIUM	0.06		
CADMIUM	0.1	U	A
CALCIUM	234000		
CHROMIUM	5.4		
COBALT	0.22		
COPPER	1.9	U	A
IRON	583		
LEAD	4.4		
MAGNESIUM	1920		
MANGANESE	25.2		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	98.4	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	256		
THALLIUM	0.34	U	
TIN	2.1	U	A
VANADIUM	5.7		
ZINC	2		

PROJ_NO: 0693

SDG: 3517 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-15C-12-0804	nsample	C03V-15C-24-0804	nsample	C03V-15EN-06-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2427-006	lab_id	WU2427-007	lab_id	WU2427-002
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	93.3	Pct_Solids	93.7	Pct_Solids	93.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	764		
ANTIMONY	0.37	U	A
ARSENIC	1.1		
BARIUM	7		
BERYLLIUM	0.08		
CADMIUM	0.12	U	A
CALCIUM	236000		
CHROMIUM	5.8		
COBALT	0.26		
COPPER	3.2		
IRON	659		
LEAD	26.5		
MAGNESIUM	1920		
MANGANESE	24.9		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	50.3	U	A
SELENIUM	0.24	U	
SILVER	0.04	U	
SODIUM	258		
THALLIUM	0.26	U	
TIN	1.8	U	A
VANADIUM	5.5		
ZINC	7.5		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	562		
ANTIMONY	0.34	U	A
ARSENIC	0.8		
BARIUM	7.3		
BERYLLIUM	0.06		
CADMIUM	0.13	U	A
CALCIUM	238000		
CHROMIUM	4.5		
COBALT	0.21		
COPPER	4		
IRON	520		
LEAD	34.2		
MAGNESIUM	1960		
MANGANESE	19.1		
MERCURY	0.01	U	
NICKEL	1		
POTASSIUM	15.03	U	
SELENIUM	0.23	U	
SILVER	0.04	U	
SODIUM	448		
THALLIUM	0.26	U	
TIN	2	U	A
VANADIUM	4.4		
ZINC	8.8		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	811		
ANTIMONY	0.53	U	A
ARSENIC	0.88		
BARIUM	6.3		
BERYLLIUM	0.06		
CADMIUM	0.1	U	A
CALCIUM	244000		
CHROMIUM	5		
COBALT	0.26		
COPPER	1.7	U	A
IRON	597		
LEAD	2		
MAGNESIUM	2050		
MANGANESE	26.1		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	110	U	A
SELENIUM	0.28	U	
SILVER	0.05	U	
SODIUM	205		
THALLIUM	0.3	U	
TIN	2.1	U	A
VANADIUM	5.4		
ZINC	1.5	U	A

PROJ_NO: 0693

SDG: 3517 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-15EN-12-0804	nsample	C03V-15EN-24-0804	nsample	C03V-16SW-06-0804
samp_date	8/9/2004	samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2427-003	lab_id	WU2427-004	lab_id	WU2427-008
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	93.2	Pct_Solids	91.1	Pct_Solids	93.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	659		
ANTIMONY	0.23	U	A
ARSENIC	0.87		
BARIUM	5.9		
BERYLLIUM	0.06		
CADMIUM	0.08	U	A
CALCIUM	255000		
CHROMIUM	4.8		
COBALT	0.3		
COPPER	1.5	U	A
IRON	556		
LEAD	0.64	U	A
MAGNESIUM	2080		
MANGANESE	25.9		
MERCURY	0.01	U	
NICKEL	1		
POTASSIUM	72	U	A
SELENIUM	0.29	U	
SILVER	0.06	U	
SODIUM	188		
THALLIUM	0.33	U	
TIN	2	U	A
VANADIUM	5.1		
ZINC	1	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	671		
ANTIMONY	0.28	U	A
ARSENIC	0.83		
BARIUM	6.2		
BERYLLIUM	0.06		
CADMIUM	0.1	U	A
CALCIUM	242000		
CHROMIUM	4.8		
COBALT	0.19		
COPPER	1.7	U	A
IRON	555		
LEAD	0.77	U	A
MAGNESIUM	2010		
MANGANESE	25.3		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	21.7	U	A
SELENIUM	0.33	U	
SILVER	0.06	U	
SODIUM	196		
THALLIUM	0.37	U	
TIN	2.4	U	A
VANADIUM	5.2		
ZINC	1	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	823		
ANTIMONY	0.23	U	A
ARSENIC	0.94		
BARIUM	6.7		
BERYLLIUM	0.08		
CADMIUM	0.12	U	A
CALCIUM	238000		
CHROMIUM	5.6		
COBALT	0.3		
COPPER	2.5		
IRON	668		
LEAD	15.8		
MAGNESIUM	1940		
MANGANESE	25.3		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	81.5	U	A
SELENIUM	0.26	U	
SILVER	0.05	U	
SODIUM	242		
THALLIUM	0.28	U	
TIN	2	U	A
VANADIUM	5.8		
ZINC	4.6		

PROJ_NO: 0693

SDG: 3517 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-16SW-12-0804	nsample	C03V-16SW-24-0804
samp_date	8/9/2004	samp_date	8/9/2004
lab_id	WU2427-009	lab_id	WU2427-010
qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG
Pct_Solids	92.8	Pct_Solids	87.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	802		
ANTIMONY	0.2	U	
ARSENIC	0.93		
BARIUM	6.3		
BERYLLIUM	0.06		
CADMIUM	0.09	U	A
CALCIUM	242000		
CHROMIUM	5.3		
COBALT	0.29		
COPPER	1.9	U	A
IRON	597		
LEAD	2.6		
MAGNESIUM	2010		
MANGANESE	25.5		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	69	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	221		
THALLIUM	0.34	U	
TIN	2.2	U	A
VANADIUM	5.7		
ZINC	1.5	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	614		
ANTIMONY	0.65	U	A
ARSENIC	1.2		
BARIUM	12.3		
BERYLLIUM	0.05		
CADMIUM	0.22		
CALCIUM	297000		
CHROMIUM	5.3		
COBALT	0.23		
COPPER	10.1		
IRON	718		
LEAD	113		
MAGNESIUM	3840		
MANGANESE	28.3		
MERCURY	0.02		
NICKEL	1.2		
POTASSIUM	34.5	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	1050		
THALLIUM	0.34	U	
TIN	3.5	U	A
VANADIUM	4.2		
ZINC	27.4		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-10F-48-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 84.6 **Lab Sample ID:** WU2427-011

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	305			P	1	29	1.76
7440-36-0	ANTIMONY, TOTAL	0.58	B		P	1	0.77	0.22
7440-38-2	ARSENIC, TOTAL	1.3			P	1	0.77	0.29
7440-39-3	BARIUM, TOTAL	17.4			P	1	0.48	0.02
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.48	0.02
7440-43-9	CADMIUM, TOTAL	0.16	B		P	1	0.96	0.03
7440-70-2	CALCIUM, TOTAL	350000			P	10	48	3.01
7440-47-3	CHROMIUM, TOTAL	3.3			P	1	1.4	0.08
7440-48-4	COBALT, TOTAL	0.19	B		P	1	2.9	0.06
7440-50-8	COPPER, TOTAL	9.8			P	1	2.4	0.08
7439-89-6	IRON, TOTAL	891			P	1	9.6	1.03
7439-92-1	LEAD, TOTAL	64.4			P	1	0.48	0.16
7439-95-4	MAGNESIUM, TOTAL	5540			P	1	4.8	0.72
7439-96-5	MANGANESE, TOTAL	11.4			P	1	0.48	0.01
7439-97-6	MERCURY, TOTAL	0.10		N	CV	1	0.035	0.01
7440-02-0	NICKEL, TOTAL	0.81	B		P	1	3.8	0.08
7440-09-7	POTASSIUM, TOTAL	22.86	U		P	1	190	22.86
7782-49-2	SELENIUM, TOTAL	0.36	U		P	1	0.96	0.36
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.4	0.07
7440-23-5	SODIUM, TOTAL	2020			P	1	96	1.83
7440-28-0	THALLIUM, TOTAL	0.39	U		P	1	1.4	0.39
7440-31-5	TIN, TOTAL	5.8	B		P	1	9.6	0.17
7440-62-2	VANADIUM, TOTAL	2.1	B		P	1	2.4	0.07
7440-66-6	ZINC, TOTAL	35.1			P	1	2.4	0.02

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:** C03V-14C-24-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 90.3 **Lab Sample ID:** WU2427-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	702			P	1	21	1.27
7440-36-0	ANTIMONY, TOTAL	0.24	B		P	1	0.56	0.16
7440-38-2	ARSENIC, TOTAL	0.88			P	1	0.56	0.21
7440-39-3	BARIUM, TOTAL	5.5			P	1	0.35	0.01
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.35	0.02
7440-43-9	CADMIUM, TOTAL	0.08	B		P	1	0.70	0.02
7440-70-2	CALCIUM, TOTAL	180000			P	10	35	2.18
7440-47-3	CHROMIUM, TOTAL	5.3			P	1	1.0	0.06
7440-48-4	COBALT, TOTAL	0.22	B		P	1	2.1	0.04
7440-50-8	COPPER, TOTAL	1.1	B		P	1	1.7	0.06
7439-89-6	IRON, TOTAL	513			P	1	7.0	0.75
7439-92-1	LEAD, TOTAL	0.68			P	1	0.35	0.12
7439-95-4	MAGNESIUM, TOTAL	1500			P	1	3.5	0.52
7439-96-5	MANGANESE, TOTAL	20.8			P	1	0.35	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.028	0.01
7440-02-0	NICKEL, TOTAL	1.0	B		P	1	2.8	0.06
7440-09-7	POTASSIUM, TOTAL	94.4	B		P	1	140	16.57
7782-49-2	SELENIUM, TOTAL	0.26	U		P	1	0.70	0.26
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.0	0.05
7440-23-5	SODIUM, TOTAL	233			P	1	70	1.33
7440-28-0	THALLIUM, TOTAL	0.28	U		P	1	1.0	0.28
7440-31-5	TIN, TOTAL	1.9	B		P	1	7.0	0.12
7440-62-2	VANADIUM, TOTAL	5.3			P	1	1.7	0.05
7440-66-6	ZINC, TOTAL	1.1	B		P	1	1.7	0.02

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:** C03V-15C-06-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 92.1 **Lab Sample ID:** WU2427-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	784			P	1	25	1.53
7440-36-0	ANTIMONY, TOTAL	0.20	U		P	1	0.67	0.20
7440-38-2	ARSENIC, TOTAL	0.96			P	1	0.67	0.25
7440-39-3	BARIUM, TOTAL	6.6			P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.10	B		P	1	0.84	0.03
7440-70-2	CALCIUM, TOTAL	234000			P	10	42	2.61
7440-47-3	CHROMIUM, TOTAL	5.4			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.22	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	1.9	B		P	1	2.1	0.07
7439-89-6	IRON, TOTAL	583			P	1	8.4	0.89
7439-92-1	LEAD, TOTAL	4.4			P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	1920			P	1	4.2	0.63
7439-96-5	MANGANESE, TOTAL	25.2			P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.026	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	98.4	B		P	1	170	19.88
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.84	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	256			P	1	84	1.60
7440-28-0	THALLIUM, TOTAL	0.34	U		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	2.1	B		P	1	8.4	0.15
7440-62-2	VANADIUM, TOTAL	5.7			P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	2.0	B		P	1	2.1	0.02

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:** C03V-15C-12-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 93.3 **Lab Sample ID:** WU2427-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	764			P	1	19	1.17
7440-36-0	ANTIMONY, TOTAL	0.37	B		P	1	0.51	0.15
7440-38-2	ARSENIC, TOTAL	1.1			P	1	0.51	0.19
7440-39-3	BARIUM, TOTAL	7.0			P	1	0.32	0.01
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.32	0.02
7440-43-9	CADMIUM, TOTAL	0.12	B		P	1	0.64	0.02
7440-70-2	CALCIUM, TOTAL	236000			P	10	32	2.01
7440-47-3	CHROMIUM, TOTAL	5.8			P	1	0.96	0.05
7440-48-4	COBALT, TOTAL	0.26	B		P	1	1.9	0.04
7440-50-8	COPPER, TOTAL	3.2			P	1	1.6	0.06
7439-89-6	IRON, TOTAL	659			P	1	6.4	0.69
7439-92-1	LEAD, TOTAL	26.5			P	1	0.32	0.11
7439-95-4	MAGNESIUM, TOTAL	1920			P	1	3.2	0.48
7439-96-5	MANGANESE, TOTAL	24.9			P	1	0.32	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	2.6	0.05
7440-09-7	POTASSIUM, TOTAL	50.3	B		P	1	130	15.27
7782-49-2	SELENIUM, TOTAL	0.24	U		P	1	0.64	0.24
7440-22-4	SILVER, TOTAL	0.04	U		P	1	0.96	0.04
7440-23-5	SODIUM, TOTAL	258			P	1	64	1.23
7440-28-0	THALLIUM, TOTAL	0.26	U		P	1	0.96	0.26
7440-31-5	TIN, TOTAL	1.8	B		P	1	6.4	0.11
7440-62-2	VANADIUM, TOTAL	5.5			P	1	1.6	0.05
7440-66-6	ZINC, TOTAL	7.5			P	1	1.6	0.02

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:** C03V-15C-24-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 93.7 **Lab Sample ID:** WU2427-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	562			P	1	19	1.16
7440-36-0	ANTIMONY, TOTAL	0.34	B		P	1	0.50	0.15
7440-38-2	ARSENIC, TOTAL	0.80			P	1	0.50	0.19
7440-39-3	BARIUM, TOTAL	7.3			P	1	0.32	0.01
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.32	0.02
7440-43-9	CADMIUM, TOTAL	0.13	B		P	1	0.63	0.02
7440-70-2	CALCIUM, TOTAL	238000			P	10	32	1.98
7440-47-3	CHROMIUM, TOTAL	4.5			P	1	0.95	0.05
7440-48-4	COBALT, TOTAL	0.21	B		P	1	1.9	0.04
7440-50-8	COPPER, TOTAL	4.0			P	1	1.6	0.05
7439-89-6	IRON, TOTAL	520			P	1	6.3	0.68
7439-92-1	LEAD, TOTAL	34.2			P	1	0.32	0.11
7439-95-4	MAGNESIUM, TOTAL	1960			P	1	3.2	0.47
7439-96-5	MANGANESE, TOTAL	19.1			P	1	0.32	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.031	0.01
7440-02-0	NICKEL, TOTAL	1.0	B		P	1	2.5	0.05
7440-09-7	POTASSIUM, TOTAL	15.03	U		P	1	130	15.03
7782-49-2	SELENIUM, TOTAL	0.23	U		P	1	0.63	0.23
7440-22-4	SILVER, TOTAL	0.04	U		P	1	0.95	0.04
7440-23-5	SODIUM, TOTAL	448			P	1	63	1.21
7440-28-0	THALLIUM, TOTAL	0.26	U		P	1	0.95	0.26
7440-31-5	TIN, TOTAL	2.0	B		P	1	6.3	0.11
7440-62-2	VANADIUM, TOTAL	4.4			P	1	1.6	0.05
7440-66-6	ZINC, TOTAL	8.8			P	1	1.6	0.02

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:** C03V-15EN-06-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 93.4 **Lab Sample ID:** WU2427-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	811			P	1	22	1.36
7440-36-0	ANTIMONY, TOTAL	0.53	B		P	1	0.59	0.17
7440-38-2	ARSENIC, TOTAL	0.88			P	1	0.59	0.23
7440-39-3	BARIUM, TOTAL	6.3			P	1	0.37	0.01
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.37	0.02
7440-43-9	CADMIUM, TOTAL	0.1	B		P	1	0.74	0.02
7440-70-2	CALCIUM, TOTAL	244000			P	10	37	2.33
7440-47-3	CHROMIUM, TOTAL	5.0			P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.26	B		P	1	2.2	0.05
7440-50-8	COPPER, TOTAL	1.7	B		P	1	1.8	0.06
7439-89-6	IRON, TOTAL	597			P	1	7.4	0.80
7439-92-1	LEAD, TOTAL	2.0			P	1	0.37	0.13
7439-95-4	MAGNESIUM, TOTAL	2050			P	1	3.7	0.56
7439-96-5	MANGANESE, TOTAL	26.1			P	1	0.37	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.028	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	3.0	0.06
7440-09-7	POTASSIUM, TOTAL	110	B		P	1	150	17.70
7782-49-2	SELENIUM, TOTAL	0.28	U		P	1	0.74	0.28
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.1	0.05
7440-23-5	SODIUM, TOTAL	205			P	1	74	1.42
7440-28-0	THALLIUM, TOTAL	0.30	U		P	1	1.1	0.30
7440-31-5	TIN, TOTAL	2.1	B		P	1	7.4	0.13
7440-62-2	VANADIUM, TOTAL	5.4			P	1	1.8	0.06
7440-66-6	ZINC, TOTAL	1.5	B		P	1	1.8	0.02

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:** C03V-15EN-12-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 93.2 **Lab Sample ID:** WU2427-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	659			P	1	24	1.46
7440-36-0	ANTIMONY, TOTAL	0.23	B		P	1	0.64	0.19
7440-38-2	ARSENIC, TOTAL	0.87			P	1	0.64	0.24
7440-39-3	BARIUM, TOTAL	5.9			P	1	0.40	0.01
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.08	B		P	1	0.80	0.02
7440-70-2	CALCIUM, TOTAL	255000			P	10	40	2.49
7440-47-3	CHROMIUM, TOTAL	4.8			P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.30	B		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	1.5	B		P	1	2.0	0.07
7439-89-6	IRON, TOTAL	556			P	1	8.0	0.85
7439-92-1	LEAD, TOTAL	0.64			P	1	0.40	0.14
7439-95-4	MAGNESIUM, TOTAL	2080			P	1	4.0	0.60
7439-96-5	MANGANESE, TOTAL	25.9			P	1	0.40	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.0	B		P	1	3.2	0.07
7440-09-7	POTASSIUM, TOTAL	72.0	B		P	1	160	18.92
7782-49-2	SELENIUM, TOTAL	0.29	U		P	1	0.80	0.29
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	188			P	1	80	1.52
7440-28-0	THALLIUM, TOTAL	0.33	U		P	1	1.2	0.33
7440-31-5	TIN, TOTAL	2.0	B		P	1	8.0	0.14
7440-62-2	VANADIUM, TOTAL	5.1			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	1.0	B		P	1	2.0	0.02

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:** C03V-15EN-24-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 91.1 **Lab Sample ID:** WU2427-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	671			P	1	27	1.65
7440-36-0	ANTIMONY, TOTAL	0.28	B		P	1	0.72	0.21
7440-38-2	ARSENIC, TOTAL	0.83			P	1	0.72	0.27
7440-39-3	BARIUM, TOTAL	6.2			P	1	0.45	0.02
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.45	0.02
7440-43-9	CADMIUM, TOTAL	0.10	B		P	1	0.90	0.03
7440-70-2	CALCIUM, TOTAL	242000			P	10	45	2.82
7440-47-3	CHROMIUM, TOTAL	4.8			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.19	B		P	1	2.7	0.06
7440-50-8	COPPER, TOTAL	1.7	B		P	1	2.2	0.08
7439-89-6	IRON, TOTAL	555			P	1	9.0	0.96
7439-92-1	LEAD, TOTAL	0.77			P	1	0.45	0.15
7439-95-4	MAGNESIUM, TOTAL	2010			P	1	4.5	0.68
7439-96-5	MANGANESE, TOTAL	25.3			P	1	0.45	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.028	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.6	0.08
7440-09-7	POTASSIUM, TOTAL	21.7	B		P	1	180	21.41
7782-49-2	SELENIUM, TOTAL	0.33	U		P	1	0.90	0.33
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	196			P	1	90	1.72
7440-28-0	THALLIUM, TOTAL	0.37	U		P	1	1.3	0.37
7440-31-5	TIN, TOTAL	2.4	B		P	1	9.0	0.16
7440-62-2	VANADIUM, TOTAL	5.2			P	1	2.2	0.07
7440-66-6	ZINC, TOTAL	1.0	B		P	1	2.2	0.02

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:** C03V-16SW-06-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 93.7 **Lab Sample ID:** WU2427-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	823			P	1	21	1.26
7440-36-0	ANTIMONY, TOTAL	0.23	B		P	1	0.55	0.16
7440-38-2	ARSENIC, TOTAL	0.94			P	1	0.55	0.21
7440-39-3	BARIUM, TOTAL	6.7			P	1	0.34	0.01
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.34	0.02
7440-43-9	CADMIUM, TOTAL	0.12	B		P	1	0.69	0.02
7440-70-2	CALCIUM, TOTAL	238000			P	10	34	2.16
7440-47-3	CHROMIUM, TOTAL	5.6			P	1	1.0	0.06
7440-48-4	COBALT, TOTAL	0.30	B		P	1	2.1	0.04
7440-50-8	COPPER, TOTAL	2.5			P	1	1.7	0.06
7439-89-6	IRON, TOTAL	668			P	1	6.9	0.74
7439-92-1	LEAD, TOTAL	15.8			P	1	0.34	0.12
7439-95-4	MAGNESIUM, TOTAL	1940			P	1	3.4	0.52
7439-96-5	MANGANESE, TOTAL	25.3			P	1	0.34	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.034	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	2.8	0.06
7440-09-7	POTASSIUM, TOTAL	81.5	B		P	1	140	16.39
7782-49-2	SELENIUM, TOTAL	0.26	U		P	1	0.69	0.26
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.0	0.05
7440-23-5	SODIUM, TOTAL	242			P	1	69	1.32
7440-28-0	THALLIUM, TOTAL	0.28	U		P	1	1.0	0.28
7440-31-5	TIN, TOTAL	2.0	B		P	1	6.9	0.12
7440-62-2	VANADIUM, TOTAL	5.8			P	1	1.7	0.05
7440-66-6	ZINC, TOTAL	4.6			P	1	1.7	0.02

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:** C03V-16SW-12-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 92.8 **Lab Sample ID:** WU2427-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	802			P	1	25	1.54
7440-36-0	ANTIMONY, TOTAL	0.20	U		P	1	0.67	0.20
7440-38-2	ARSENIC, TOTAL	0.93			P	1	0.67	0.26
7440-39-3	BARIUM, TOTAL	6.3			P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.09	B		P	1	0.84	0.03
7440-70-2	CALCIUM, TOTAL	242000			P	10	42	2.63
7440-47-3	CHROMIUM, TOTAL	5.3			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.29	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	1.9	B		P	1	2.1	0.07
7439-89-6	IRON, TOTAL	597			P	1	8.4	0.90
7439-92-1	LEAD, TOTAL	2.6			P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	2010			P	1	4.2	0.63
7439-96-5	MANGANESE, TOTAL	25.5			P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.01	U	N	CV	1	0.028	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	3.4	0.07
7440-09-7	POTASSIUM, TOTAL	69.0	B		P	1	170	20.03
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.84	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	221			P	1	84	1.61
7440-28-0	THALLIUM, TOTAL	0.34	U		P	1	1.3	0.34
7440-31-5	TIN, TOTAL	2.2	B		P	1	8.4	0.15
7440-62-2	VANADIUM, TOTAL	5.7			P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	1.5	B		P	1	2.1	0.02

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:** C03V-16SW-24-0804

Matrix: SOIL **SDG Name:** CTO351-7

Percent Solids: 87.0 **Lab Sample ID:** WU2427-010

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	614			P	1	25	1.53
7440-36-0	ANTIMONY, TOTAL	0.65	B		P	1	0.67	0.20
7440-38-2	ARSENIC, TOTAL	1.2			P	1	0.67	0.25
7440-39-3	BARIUM, TOTAL	12.3			P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.05	B		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.22	B		P	1	0.84	0.03
7440-70-2	CALCIUM, TOTAL	297000			P	10	42	2.62
7440-47-3	CHROMIUM, TOTAL	5.3			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.23	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	10.1			P	1	2.1	0.07
7439-89-6	IRON, TOTAL	718			P	1	8.4	0.90
7439-92-1	LEAD, TOTAL	113			P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	3840			P	1	4.2	0.63
7439-96-5	MANGANESE, TOTAL	28.3			P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.02	B	N	CV	1	0.034	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	3.4	0.07
7440-09-7	POTASSIUM, TOTAL	34.5	B		P	1	170	19.96
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.84	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	1050			P	1	84	1.60
7440-28-0	THALLIUM, TOTAL	0.34	U		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	3.5	B		P	1	8.4	0.15
7440-62-2	VANADIUM, TOTAL	4.2			P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	27.4			P	1	2.1	0.02

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-11
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-10F-48-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	85. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

Katahdin
ANALYTICAL SERVICES

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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-1
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-14C-24-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	90. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-5
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-15C-06-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	92. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

Katahdin
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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-6
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-15C-12-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-7
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-15C-24-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-2
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-15EN-06-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-3
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-15EN-12-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

Katahdin
ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-4
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943·
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-15EN-24-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	91. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

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

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-8
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-16SW-06-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
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http://katahdinlab.com
sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-9
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-16SW-12-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2427-10
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: CTO351-7

Sample Description	Matrix	Date Sampled	Date Received
C03V-16SW-24-0804	SL	09-AUG-04	10-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	87. %	.1	CLP SOW 788	WG9131	11-AUG-04	JF	CLP SOW 788	10-AUG-04	JF	

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG 3517

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-15EN-12-0804	WU2427-003	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-10F-48-0804	WU2427-011	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-16SW-24-0804	WU2427-010	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-16SW-12-0804	WU2427-009	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-15EN-24-0804	WU2427-004	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-15EN-06-0804	WU2427-002	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-15C-24-0804	WU2427-007	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-15C-12-0804	WU2427-006	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-15C-06-0804	WU2427-005	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-14C-24-0804	WU2427-001	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
HG	MG/KG	C03V-16SW-06-0804	WU2427-008	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
M	MG/KG	C03V-10F-48-0804	WU2427-011	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-16SW-12-0804	WU2427-009	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-16SW-06-0804	WU2427-008	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-15EN-24-0804	WU2427-004	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-15EN-12-0804	WU2427-003	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-15EN-06-0804	WU2427-002	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-15C-24-0804	WU2427-007	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-15C-12-0804	WU2427-006	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-14C-24-0804	WU2427-001	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-16SW-24-0804	WU2427-010	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
M	MG/KG	C03V-15C-06-0804	WU2427-005	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-16SW-06-0804	WU2427-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-10F-48-0804	WU2427-11	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15EN-24-0804	WU2427-4	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15EN-12-0804	WU2427-3	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-16SW-24-0804	WU2427-10	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15EN-06-0804	WU2427-2	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-16SW-12-0804	WU2427-9	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15C-24-0804	WU2427-7	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15C-12-0804	WU2427-6	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-15C-06-0804	WU2427-5	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
TS	%	C03V-14C-24-0804	WU2427-1	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-15EN-12-0804	WU2427-3	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-14C-24-0804	WU2427-1	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-15C-06-0804	WU2427-5	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-15C-12-0804	WU2427-6	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-15EN-06-0804	WU2427-2	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-15EN-24-0804	WU2427-4	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-16SW-06-0804	WU2427-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-16SW-12-0804	WU2427-9	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-16SW-24-0804	WU2427-10	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	%	C03V-10F-48-0804	WU2427-11DL	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	%	C03V-15C-24-0804	WU2427-7	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-10F-48-0804	WU2427-11DL	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-16SW-24-0804	WU2427-10	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-16SW-12-0804	WU2427-9	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-16SW-06-0804	WU2427-8	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-15EN-24-0804	WU2427-4	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-15EN-12-0804	WU2427-3	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-15EN-06-0804	WU2427-2	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-15C-24-0804	WU2427-7	NM	08/09/2004	08/10/2004	08/11/2004	1	1	2
PCB	UG/KG	C03V-15C-12-0804	WU2427-6	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-14C-24-0804	WU2427-1	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1
PCB	UG/KG	C03V-15C-06-0804	WU2427-5	NM	08/09/2004	08/10/2004	08/10/2004	1	0	1

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: T & NUS
Contact: CHUCK BRYAN
Phone #: (305) 360-1548
Fax #: (803) 642-8454
Address: 900 TRAILRIDGE RD
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): CHUCK BRYAN /
Copies To:

LAB USE ONLY
WORK ORDER #: W42426, W42427
KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

#	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL METALS (Filt. ☐Y ☐N)	TCL PCB (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
	C03V-13C-12-0804	8-9-04/1608	SOIL	1										
	C03V-13C-24-0804	8-8-04/1608												
	C03V-14C-06-0804	/1615												
	C03V-14C-12-0804	/1615												
	C03V-14C-24-0804	/1615			✓									
	C03V-15EN-06-0804	/1630			✓									
	C03V-15EN-12-0804	/1630			✓									
	C03V-15EN-24-0804	/1630			✓									
	C03V-15C-06-0804	/1623			✓									
	C03V-15C-12-0804	/1623			✓									
	C03V 15C-24-0804	/1623			✓									
	C03V-16SW-06-0804	/1640			✓									
	C03V-16SW.12-0804	/1641			✓									
	C03V-16SW.24-0804	/1642			✓									
	C03V-10F-48-0804	/1645			✓									
	C03V-9C-0804MS	/1700												

COMMENTS
24-HR TAT ON ALL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	8-9-04 1728	Fed Ex 8/10/04 0836			
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.

S-COC1

ORIGINAL
0000008

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
T+NUS	CHUCK BRYAN	(305)360-1548	(803)642-8454

Address	City	State	Zip Code
900 TRAIL RIDGE RD.	AIKEN	SC	29803

Purchase Order #: Proj. Name / No.: N0693 Katahdin Quote #:

Bill (if different than above): Address:

Sampler (Print / Sign): CHUCK BRYAN / [signature] Copies To:

LAB USE ONLY WORK ORDER #: ~~WU2420~~ VC 8/10

KATAHDIN PROJECT NUMBER: WU2427

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 TAL METAL	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-9C-0804MSD	8-9-04/1700	SOIL	1	✓	✓								
		/												
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COMMENTS

24-TAT ON ALL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	8-9-04 1728	[signature]	8/10/04 0836		
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

000009

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST; SDG: CTO351-7
WU2427
TASK ORDER MANAGER: CHARLES BRYAN

Sample Receipt

The following samples were received on August 10, 2004 and were logged in under Katahdin Analytical Services work order number WU2427 for a hardcopy due date of September 5, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2427-1	C03V-14C-24-0804
WU2427-2	C03V-15EN-06-0804
WU2427-3	C03V-15EN-12-0804
WU2427-4	C03V-15EN-24-0804
WU2427-5	C03V-15C-06-0804
WU2427-6	C03V-15C-12-0804
WU2427-7	C03V-15C-24-0804
WU2427-8	C03V-16SW-06-0804
WU2427-9	C03V-16SW-12-0804
WU2427-10	C03V-16SW-24-0804
WU2427-11	C03V-10F-48-0804

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

The samples of SDG CTO351-7 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

Sample WU2427-10 had a high recovery for the extraction surrogate TCX on channel A, which was outside of the laboratory established acceptance limits. Since the recovery for TCX was within the acceptance limits on channel B and DCB on both channels, the sample was not reanalyzed.

Sample WU2427-7 had high recoveries for the extraction surrogates TCX and DCB on channel B, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX and DCB were within the acceptance limits on channel A, the sample was not reanalyzed.

The calibration verification standards (CV) (files 6UH2147, 6UH2166 and 6UH2177) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The laboratory control sample WG9127-2 had a high recovery for the spiked analyte Aroclor 1260, which was outside of the laboratory established acceptance limits. Since the laboratory control spike duplicate, WG9127-3, had an acceptable recovery, the associated samples were not reanalyzed.

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

Metals Analysis

The samples of Katahdin SDG CTO351-7 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Aqueous Waste", SW-846, November 1986, Third Edition.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Soil-matrix Katahdin Sample Nos. WU2427-(1-11) were digested for ICP analysis on 08/10/04 (QC Batch UH10ICS1) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2427-1 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (3.208 mg/L, corresponding to a dry-weight concentration of 320.8 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of SDG CTO351-7 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2427-(1-11) were digested for mercury analysis on 08/10/04 (QC Batch UH10HGS1) in accordance with USEPA Method 7471A. Katahdin Sample No. WU2427-11 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin SDG CTO351-7 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for all elements in the matrix-spike and matrix-spike duplicate aliquots of Katahdin Sample No. WU2427-1 are within the laboratory's acceptance limits (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added). The mercury recovery in the matrix-spike aliquot of Katahdin Sample No. WU2427-11 is within the laboratory's acceptance limits. The mercury recovery (132.2%) in the matrix-spike duplicate aliquot of Katahdin Sample No. WU2427-11 is outside the laboratory's acceptance limits.

The matrix-spike duplicate analyses of Katahdin Sample Nos. WU2427-(1, 11) are within the laboratory's acceptance limits (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

The serial dilution analysis of Katahdin Sample No. WU2427-1 is within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for all analytes.

Wet Chemistry Analysis

The samples of SDG CTO351-7 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

María Crouch
08.24.04
María Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: CTO351-7 **SOW No.** SW846

Client Field ID	Lab Sample ID
C03V-10F-48-0804	WU2427-011
C03V-10F-48-0804	WU2427-011P
C03V-10F-48-0804	WU2427-011S
C03V-14C-24-0804	WU2427-001
C03V-14C-24-0804	WU2427-001P
C03V-14C-24-0804	WU2427-001S
C03V-15C-06-0804	WU2427-005
C03V-15C-12-0804	WU2427-006
C03V-15C-24-0804	WU2427-007
C03V-15EN-06-0804	WU2427-002
C03V-15EN-12-0804	WU2427-003
C03V-15EN-24-0804	WU2427-004
C03V-16SW-06-0804	WU2427-008
C03V-16SW-12-0804	WU2427-009
C03V-16SW-24-0804	WU2427-010

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: George Brewer Name: George Brewer

Date: 08/23/04 Title: Inorganic Dept. Mgr.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: ICV

File: AUH10A Aug 10, 2004 17:06

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18252.70	91.3
ANTIMONY	600.0	580.91	96.8
ARSENIC	600.0	606.00	101.0
BARIUM	500.0	469.27	93.9
BERYLLIUM	500.0	486.91	97.4
CADMIUM	1250.0	1214.94	97.2
CALCIUM	20000.0	20137.59	100.7
CHROMIUM	500.0	493.70	98.7
COBALT	500.0	486.83	97.4
COPPER	500.0	478.19	95.6
IRON	20000.0	19947.81	99.7
LEAD	550.0	547.04	99.5
MAGNESIUM	20000.0	20498.21	102.5
MANGANESE	500.0	492.78	98.6
NICKEL	1000.0	988.75	98.9
SELENIUM	550.0	537.91	97.8
SILVER	200.0	194.25	97.1
THALLIUM	600.0	593.58	98.9
TIN	500.0	489.25	97.9
VANADIUM	500.0	485.75	97.2
ZINC	1000.0	966.89	96.7

SAMPLE: CCV

File: AUH10A Aug 10, 2004 17:47

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49894.64	99.8
ANTIMONY	1000.0	993.28	99.3
ARSENIC	1000.0	1003.06	100.3
BARIUM	1000.0	1020.65	102.1
BERYLLIUM	1000.0	1031.23	103.1
CADMIUM	1000.0	1014.12	101.4
CALCIUM	50000.0	51851.58	103.7
CHROMIUM	1000.0	1020.91	102.1
COBALT	1000.0	1019.29	101.9
COPPER	1000.0	1003.04	100.3
IRON	20000.0	20489.31	102.4
LEAD	1000.0	1002.94	100.3
MAGNESIUM	50000.0	52286.19	104.6
MANGANESE	1000.0	1016.65	101.7
NICKEL	1000.0	1021.76	102.2
SELENIUM	1000.0	998.63	99.9
SILVER	250.0	253.38	101.4
THALLIUM	1000.0	1003.20	100.3
TIN	1000.0	1012.30	101.2
VANADIUM	1000.0	1021.07	102.1
ZINC	1000.0	1017.78	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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 10, 2004 19:07

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49486.20	99.0
ANTIMONY	1000.0	997.39	99.7
ARSENIC	1000.0	1005.68	100.6
BARIUM	1000.0	1002.58	100.3
BERYLLIUM	1000.0	1027.31	102.7
CADMIUM	1000.0	1013.76	101.4
CALCIUM	50000.0	52027.52	104.1
CHROMIUM	1000.0	1023.63	102.4
COBALT	1000.0	1024.44	102.4
COPPER	1000.0	992.46	99.2
IRON	20000.0	20509.66	102.5
LEAD	1000.0	1014.30	101.4
MAGNESIUM	50000.0	52378.56	104.8
MANGANESE	1000.0	1018.43	101.8
NICKEL	1000.0	1025.11	102.5
SELENIUM	1000.0	1001.92	100.2
SILVER	250.0	251.02	100.4
THALLIUM	1000.0	994.07	99.4
TIN	1000.0	1017.85	101.8
VANADIUM	1000.0	1016.04	101.6
ZINC	1000.0	1012.31	101.2

SAMPLE: CCV

File: AUH10A Aug 10, 2004 20:27

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49572.66	99.1
ANTIMONY	1000.0	992.55	99.3
ARSENIC	1000.0	999.03	99.9
BARIUM	1000.0	999.01	99.9
BERYLLIUM	1000.0	1032.76	103.3
CADMIUM	1000.0	1010.51	101.1
CALCIUM	50000.0	52047.24	104.1
CHROMIUM	1000.0	1024.64	102.5
COBALT	1000.0	1020.93	102.1
COPPER	1000.0	988.42	98.8
IRON	20000.0	20434.04	102.2
LEAD	1000.0	1014.87	101.5
MAGNESIUM	50000.0	52401.98	104.8
MANGANESE	1000.0	1018.30	101.8
NICKEL	1000.0	1021.02	102.1
SELENIUM	1000.0	1002.25	100.2
SILVER	250.0	250.10	100.0
THALLIUM	1000.0	995.32	99.5
TIN	1000.0	1010.48	101.0
VANADIUM	1000.0	1024.76	102.5
ZINC	1000.0	1008.17	100.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 10, 2004 21:48

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50482.87	101.0
ANTIMONY	1000.0	980.81	98.1
ARSENIC	1000.0	985.26	98.5
BARIUM	1000.0	1023.11	102.3
BERYLLIUM	1000.0	1051.62	105.2
CADMIUM	1000.0	1014.74	101.5
CALCIUM	50000.0	51631.23	103.3
CHROMIUM	1000.0	1029.82	103.0
COBALT	1000.0	1014.56	101.5
COPPER	1000.0	997.07	99.7
IRON	20000.0	20465.09	102.3
LEAD	1000.0	991.72	99.2
MAGNESIUM	50000.0	52638.64	105.3
MANGANESE	1000.0	1024.37	102.4
NICKEL	1000.0	1013.31	101.3
SELENIUM	1000.0	984.32	98.4
SILVER	250.0	251.40	100.6
THALLIUM	1000.0	988.70	98.9
TIN	1000.0	994.37	99.4
VANADIUM	1000.0	1049.16	104.9
ZINC	1000.0	1009.03	100.9

SAMPLE: CCV

File: AUH10A Aug 10, 2004 23:08

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50956.11	101.9
ANTIMONY	1000.0	975.98	97.6
ARSENIC	1000.0	978.11	97.8
BARIUM	1000.0	1031.91	103.2
BERYLLIUM	1000.0	1061.28	106.1
CADMIUM	1000.0	1019.08	101.9
CALCIUM	50000.0	51734.35	103.5
CHROMIUM	1000.0	1032.74	103.3
COBALT	1000.0	1012.54	101.3
COPPER	1000.0	998.05	99.8
IRON	20000.0	20457.86	102.3
LEAD	1000.0	985.68	98.6
MAGNESIUM	50000.0	52877.95	105.8
MANGANESE	1000.0	1028.23	102.8
NICKEL	1000.0	1011.60	101.2
SELENIUM	1000.0	982.11	98.2
SILVER	250.0	250.37	100.1
THALLIUM	1000.0	981.20	98.1
TIN	1000.0	988.95	98.9
VANADIUM	1000.0	1060.96	106.1
ZINC	1000.0	1009.58	101.0

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 11, 2004 0:28

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49472.67	98.9
ANTIMONY	1000.0	955.97	95.6
ARSENIC	1000.0	957.92	95.8
BARIUM	1000.0	1000.14	100.0
BERYLLIUM	1000.0	1031.23	103.1
CADMIUM	1000.0	988.61	98.9
CALCIUM	50000.0	50323.89	100.6
CHROMIUM	1000.0	1005.08	100.5
COBALT	1000.0	987.38	98.7
COPPER	1000.0	972.67	97.3
IRON	20000.0	19866.87	99.3
LEAD	1000.0	976.22	97.6
MAGNESIUM	50000.0	51475.13	103.0
MANGANESE	1000.0	1001.57	100.2
NICKEL	1000.0	987.03	98.7
SELENIUM	1000.0	970.21	97.0
SILVER	250.0	244.76	97.9
THALLIUM	1000.0	962.82	96.3
TIN	1000.0	961.07	96.1
VANADIUM	1000.0	1031.40	103.1
ZINC	1000.0	981.39	98.1

SAMPLE: CCV

File: AUH10A Aug 11, 2004 1:49

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49795.76	99.6
ANTIMONY	1000.0	959.71	96.0
ARSENIC	1000.0	968.21	96.8
BARIUM	1000.0	999.72	100.0
BERYLLIUM	1000.0	1042.10	104.2
CADMIUM	1000.0	996.87	99.7
CALCIUM	50000.0	50877.54	101.8
CHROMIUM	1000.0	1019.35	101.9
COBALT	1000.0	1001.13	100.1
COPPER	1000.0	977.75	97.8
IRON	20000.0	20169.21	100.8
LEAD	1000.0	987.46	98.7
MAGNESIUM	50000.0	52004.11	104.0
MANGANESE	1000.0	1016.96	101.7
NICKEL	1000.0	998.03	99.8
SELENIUM	1000.0	981.03	98.1
SILVER	250.0	245.69	98.3
THALLIUM	1000.0	979.56	98.0
TIN	1000.0	966.88	96.7
VANADIUM	1000.0	1044.87	104.5
ZINC	1000.0	985.80	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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 11, 2004 3:09

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50434.01	100.9
ANTIMONY	1000.0	964.89	96.5
ARSENIC	1000.0	978.79	97.9
BARIUM	1000.0	1005.92	100.6
BERYLLIUM	1000.0	1054.97	105.5
CADMIUM	1000.0	1006.73	100.7
CALCIUM	50000.0	51475.57	103.0
CHROMIUM	1000.0	1032.30	103.2
COBALT	1000.0	1014.33	101.4
COPPER	1000.0	986.70	98.7
IRON	20000.0	20575.21	102.9
LEAD	1000.0	993.51	99.4
MAGNESIUM	50000.0	52738.48	105.5
MANGANESE	1000.0	1029.45	102.9
NICKEL	1000.0	1009.14	100.9
SELENIUM	1000.0	985.62	98.6
SILVER	250.0	247.36	98.9
THALLIUM	1000.0	988.67	98.9
TIN	1000.0	980.78	98.1
VANADIUM	1000.0	1057.66	105.8
ZINC	1000.0	993.98	99.4

SAMPLE: CCV

File: AUH10A Aug 11, 2004 4:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50839.84	101.7
ANTIMONY	1000.0	964.32	96.4
ARSENIC	1000.0	966.53	96.7
BARIUM	1000.0	1019.76	102.0
BERYLLIUM	1000.0	1056.13	105.6
CADMIUM	1000.0	998.23	99.8
CALCIUM	50000.0	51219.57	102.4
CHROMIUM	1000.0	1026.53	102.7
COBALT	1000.0	1006.49	100.6
COPPER	1000.0	991.85	99.2
IRON	20000.0	20422.49	102.1
LEAD	1000.0	985.91	98.6
MAGNESIUM	50000.0	52519.51	105.0
MANGANESE	1000.0	1024.53	102.5
NICKEL	1000.0	1001.46	100.1
SELENIUM	1000.0	976.10	97.6
SILVER	250.0	248.62	99.4
THALLIUM	1000.0	974.98	97.5
TIN	1000.0	973.74	97.4
VANADIUM	1000.0	1060.22	106.0
ZINC	1000.0	993.01	99.3

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 11, 2004 5:51

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51012.98	102.0
ANTIMONY	1000.0	953.49	95.3
ARSENIC	1000.0	946.37	94.6
BARIUM	1000.0	1031.67	103.2
BERYLLIUM	1000.0	1058.17	105.8
CADMIUM	1000.0	991.63	99.2
CALCIUM	50000.0	50702.03	101.4
CHROMIUM	1000.0	1016.80	101.7
COBALT	1000.0	989.56	99.0
COPPER	1000.0	988.11	98.8
IRON	20000.0	20120.07	100.6
LEAD	1000.0	962.27	96.2
MAGNESIUM	50000.0	52070.25	104.1
MANGANESE	1000.0	1017.05	101.7
NICKEL	1000.0	984.68	98.5
SELENIUM	1000.0	955.77	95.6
SILVER	250.0	247.10	98.8
THALLIUM	1000.0	959.90	96.0
TIN	1000.0	952.81	95.3
VANADIUM	1000.0	1064.81	106.5
ZINC	1000.0	986.16	98.6

SAMPLE: CCV

File: AUH10A Aug 11, 2004 7:11

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51676.58	103.4
ANTIMONY	1000.0	956.11	95.6
ARSENIC	1000.0	952.63	95.3
BARIUM	1000.0	1040.96	104.1
BERYLLIUM	1000.0	1077.07	107.7
CADMIUM	1000.0	1009.15	100.9
CALCIUM	50000.0	51514.05	103.0
CHROMIUM	1000.0	1031.71	103.2
COBALT	1000.0	1001.66	100.2
COPPER	1000.0	992.16	99.2
IRON	20000.0	20362.34	101.8
LEAD	1000.0	971.80	97.2
MAGNESIUM	50000.0	52887.54	105.8
MANGANESE	1000.0	1033.24	103.3
NICKEL	1000.0	995.33	99.5
SELENIUM	1000.0	964.61	96.5
SILVER	250.0	248.19	99.3
THALLIUM	1000.0	971.38	97.1
TIN	1000.0	955.24	95.5
VANADIUM	1000.0	1081.48	108.1
ZINC	1000.0	997.20	99.7

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: AUH10A Aug 11, 2004 8:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51667.28	103.3
ANTIMONY	1000.0	938.58	93.9
ARSENIC	1000.0	938.52	93.9
BARIUM	1000.0	1037.51	103.8
BERYLLIUM	1000.0	1100.75	110.1
CADMIUM	1000.0	1039.23	103.9
CALCIUM	50000.0	52424.10	104.8
CHROMIUM	1000.0	1047.82	104.8
COBALT	1000.0	1006.80	100.7
COPPER	1000.0	978.94	97.9
IRON	20000.0	20609.73	103.0
LEAD	1000.0	969.66	97.0
MAGNESIUM	50000.0	53598.16	107.2
MANGANESE	1000.0	1049.32	104.9
NICKEL	1000.0	1003.55	100.4
SELENIUM	1000.0	970.36	97.0
SILVER	250.0	244.28	97.7
THALLIUM	1000.0	972.36	97.2
TIN	1000.0	937.08	93.7
VANADIUM	1000.0	1101.04	110.1
ZINC	1000.0	1001.31	100.1

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: ICV

File: BUH10A Aug 10, 2004 16:51

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19723.60	98.6
CALCIUM	20000.0	19245.84	96.2
IRON	20000.0	20191.82	101.0
MAGNESIUM	20000.0	19397.91	97.0
POTASSIUM	20000.0	19260.67	96.3
SODIUM	20000.0	21916.08	109.6

SAMPLE: CCV

File: BUH10A Aug 10, 2004 17:31

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50628.84	101.3
CALCIUM	50000.0	49009.84	98.0
IRON	20000.0	20367.39	101.8
MAGNESIUM	50000.0	49975.41	100.0
POTASSIUM	50000.0	49894.00	99.8
SODIUM	50000.0	51934.92	103.9

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 10, 2004 18:38

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50841.24	101.7
CALCIUM	50000.0	48897.91	97.8
IRON	20000.0	20310.50	101.6
MAGNESIUM	50000.0	50049.85	100.1
POTASSIUM	50000.0	50525.16	101.1
SODIUM	50000.0	52479.61	105.0

SAMPLE: CCV

File: BUH10A Aug 10, 2004 19:48

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	52667.52	105.3
CALCIUM	50000.0	50458.74	100.9
IRON	20000.0	21163.08	105.8
MAGNESIUM	50000.0	51733.20	103.5
POTASSIUM	50000.0	51958.09	103.9
SODIUM	50000.0	54071.97	108.1

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 10, 2004 20:56

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	52493.04	105.0
CALCIUM	50000.0	49918.01	99.8
IRON	20000.0	20932.41	104.7
MAGNESIUM	50000.0	51353.11	102.7
POTASSIUM	50000.0	52903.34	105.8
SODIUM	50000.0	54318.87	108.6

SAMPLE: CCV

File: BUH10A Aug 10, 2004 22:03

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51385.68	102.8
CALCIUM	50000.0	49452.48	98.9
IRON	20000.0	20580.51	102.9
MAGNESIUM	50000.0	50554.91	101.1
POTASSIUM	50000.0	51078.92	102.2
SODIUM	50000.0	52093.49	104.2

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 10, 2004 23:11

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51633.41	103.3
CALCIUM	50000.0	49882.30	99.8
IRON	20000.0	20807.46	104.0
MAGNESIUM	50000.0	50937.50	101.9
POTASSIUM	50000.0	51081.57	102.2
SODIUM	50000.0	52261.68	104.5

SAMPLE: CCV

File: BUH10A Aug 11, 2004 0:19

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51426.39	102.9
CALCIUM	50000.0	49646.03	99.3
IRON	20000.0	20676.54	103.4
MAGNESIUM	50000.0	50659.28	101.3
POTASSIUM	50000.0	51011.85	102.0
SODIUM	50000.0	52282.98	104.6

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 11, 2004 1:26

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51199.05	102.4
CALCIUM	50000.0	51663.84	103.3
IRON	20000.0	21416.21	107.1
MAGNESIUM	50000.0	51638.30	103.3
POTASSIUM	50000.0	50038.93	100.1
SODIUM	50000.0	49712.15	99.4

SAMPLE: CCV

File: BUH10A Aug 11, 2004 2:34

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53607.95	107.2
CALCIUM	50000.0	49665.48	99.3
IRON	20000.0	21719.92	108.6
MAGNESIUM	50000.0	52472.58	104.9
POTASSIUM	50000.0	51721.84	103.4
SODIUM	50000.0	53940.06	107.9

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 11, 2004 3:42

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53595.26	107.2
CALCIUM	50000.0	49840.72	99.7
IRON	20000.0	21719.36	108.6
MAGNESIUM	50000.0	52557.92	105.1
POTASSIUM	50000.0	52323.86	104.6
SODIUM	50000.0	54092.65	108.2

SAMPLE: CCV

File: BUH10A Aug 11, 2004 4:50

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53418.32	106.8
CALCIUM	50000.0	50994.36	102.0
IRON	20000.0	22041.21	110.2
MAGNESIUM	50000.0	52822.25	105.6
POTASSIUM	50000.0	50905.40	101.8
SODIUM	50000.0	52526.86	105.1

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: BUH10A Aug 11, 2004 5:52

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53559.74	107.1
CALCIUM	50000.0	49274.49	98.5
IRON	20000.0	21692.88	108.5
MAGNESIUM	50000.0	52818.64	105.6
POTASSIUM	50000.0	53100.66	106.2
SODIUM	50000.0	54807.54	109.6

SAMPLE: CCV

File: BUH10A Aug 11, 2004 6:20

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	53832.63	107.7
CALCIUM	50000.0	50315.14	100.6
IRON	20000.0	21970.61	109.9
MAGNESIUM	50000.0	53096.76	106.2
POTASSIUM	50000.0	52973.30	105.9
SODIUM	50000.0	55093.10	110.2

(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:** CTO351-7

Concentration Units: ug/L

SAMPLE: ICV

File: HUH10B Aug 10, 2004 17:40

Analyte	True	Found	%R (1)
MERCURY	6.0	6.20	103.3

SAMPLE: CCV

File: HUH10B Aug 10, 2004 18:05

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:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCV

File: HUH10B Aug 10, 2004 18:31

Analyte	True	Found	%R (1)
MERCURY	5.0	5.36	107.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH10HGS1

Matrix: SOIL **SDG Name:** CTO351-7

QC Batch ID: UH10HGS1

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH10ICS1

Matrix: SOIL **SDG Name:** CTO351-7

QC Batch ID: UH10ICS1

Concentration Units : mg/Kg

Analyte	RESULT	C
ALUMINUM	-8.476	B
ANTIMONY	0.230	U
ARSENIC	0.300	U
BARIUM	0.020	U
BERYLLIUM	-0.025	B
CADMIUM	0.043	B
CALCIUM	320.791	
CHROMIUM	0.080	U
COBALT	0.060	U
COPPER	0.119	B
IRON	1.070	U
LEAD	0.170	U
MAGNESIUM	0.750	U
MANGANESE	0.023	B
NICKEL	0.090	U
POTASSIUM	23.800	U
SELENIUM	0.370	U
SILVER	0.070	U
SODIUM	5.734	B
THALLIUM	0.410	U
TIN	2.740	B
VANADIUM	0.070	U
ZINC	0.408	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: ICB

File: AUH10A Aug 10, 2004 17:13

Analyte	Result	C
ALUMINUM	23.29	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-6.69	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-0.99	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 10, 2004 17:53

Analyte	Result	C
ALUMINUM	27.39	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-7.28	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-0.99	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 10, 2004 19:14

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.32	B
CALCIUM	29.06	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	2.46	B
MAGNESIUM	29.34	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCB

File: AUH10A Aug 10, 2004 20:34

Analyte	Result	C
ALUMINUM	-25.17	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	B
BERYLLIUM	0.25	U
CADMIUM	0.40	B
CALCIUM	35.67	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.93	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	30.54	B
MANGANESE	0.16	B
NICKEL	0.92	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 10, 2004 21:54

Analyte	Result	C
ALUMINUM	-57.36	B
ANTIMONY	2.58	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	6.96	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.83	B
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 10, 2004 23:15

Analyte	Result	C
ALUMINUM	-65.18	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.31	B
CALCIUM	29.22	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	1.05	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	16.23	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCB

File: AUH10A Aug 11, 2004 0:35

Analyte	Result	C
ALUMINUM	-56.18	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.18	B
BERYLLIUM	0.25	U
CADMIUM	0.44	B
CALCIUM	41.84	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.99	B
IRON	10.70	U
LEAD	1.85	B
MAGNESIUM	20.69	B
MANGANESE	0.13	U
NICKEL	1.18	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 11, 2004 1:56

Analyte	Result	C
ALUMINUM	-61.39	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	7.56	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	2.26	B
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH10A Aug 11, 2004 3:16

Analyte	Result	C
ALUMINUM	-98.27	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.46	B
CALCIUM	24.95	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	1.39	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	8.29	B
MANGANESE	0.13	U
NICKEL	1.25	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCB
File: AUH10A Aug 11, 2004 4:37

Analyte	Result	C
ALUMINUM	-138.75	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.35	B
CALCIUM	43.24	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	2.51	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	9.90	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB
File: AUH10A Aug 11, 2004 5:57

Analyte	Result	C
ALUMINUM	-140.09	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.20	B
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	33.06	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	2.81	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.14	B
NICKEL	1.03	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	1.01	B

SAMPLE: CCB
File: AUH10A Aug 11, 2004 7:18

Analyte	Result	C
ALUMINUM	-166.46	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.23	B
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	56.22	
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	3.08	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	17.85	B
MANGANESE	0.23	B
NICKEL	1.38	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.98	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCB

File: AUH10A Aug 11, 2004 8:32

Analyte	Result	C
ALUMINUM	-241.70	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.33	B
BERYLLIUM	0.25	U
CADMIUM	0.46	B
CALCIUM	92.47	
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	4.95	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	15.31	B
MANGANESE	0.32	B
NICKEL	1.44	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.93	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: ICB

File: BUH10A Aug 10, 2004 16:57

Analyte	Result	C
ALUMINUM	54.33	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	406.57	B
SODIUM	26.75	B

SAMPLE: CCB

File: BUH10A Aug 10, 2004 17:36

Analyte	Result	C
ALUMINUM	20.44	B
CALCIUM	21.40	U
IRON	6.35	B
MAGNESIUM	24.70	U
POTASSIUM	238.00	U
SODIUM	19.10	U

SAMPLE: CCB

File: BUH10A Aug 10, 2004 18:46

Analyte	Result	C
ALUMINUM	45.05	B
CALCIUM	21.40	U
IRON	6.26	B
MAGNESIUM	24.70	U
POTASSIUM	-590.27	B
SODIUM	19.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCB

File: BUH10A Aug 10, 2004 19:54

Analyte	Result	C
ALUMINUM	49.23	B
CALCIUM	23.62	B
IRON	5.44	B
MAGNESIUM	24.70	U
POTASSIUM	-920.97	B
SODIUM	23.85	B

SAMPLE: CCB

File: BUH10A Aug 10, 2004 21:01

Analyte	Result	C
ALUMINUM	96.97	B
CALCIUM	45.03	B
IRON	17.23	B
MAGNESIUM	60.89	
POTASSIUM	608.58	B
SODIUM	32.03	B

SAMPLE: CCB

File: BUH10A Aug 10, 2004 22:09

Analyte	Result	C
ALUMINUM	68.04	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	36.43	B
POTASSIUM	511.50	B
SODIUM	40.57	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCB

File: BUH10A Aug 10, 2004 23:17

Analyte	Result	C
ALUMINUM	30.66	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	-748.54	B
SODIUM	19.10	U

SAMPLE: CCB

File: BUH10A Aug 11, 2004 0:24

Analyte	Result	C
ALUMINUM	47.10	B
CALCIUM	21.40	U
IRON	9.49	B
MAGNESIUM	24.70	U
POTASSIUM	-416.61	B
SODIUM	30.19	B

SAMPLE: CCB

File: BUH10A Aug 11, 2004 1:32

Analyte	Result	C
ALUMINUM	57.01	B
CALCIUM	55.52	
IRON	10.50	B
MAGNESIUM	24.70	U
POTASSIUM	-1015.53	B
SODIUM	34.92	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCB

File: BUH10A Aug 11, 2004 2:40

Analyte	Result	C
ALUMINUM	35.35	B
CALCIUM	22.23	B
IRON	6.39	B
MAGNESIUM	-28.67	B
POTASSIUM	-500.50	B
SODIUM	19.10	U

SAMPLE: CCB

File: BUH10A Aug 11, 2004 3:48

Analyte	Result	C
ALUMINUM	27.87	B
CALCIUM	21.40	U
IRON	11.59	B
MAGNESIUM	24.70	U
POTASSIUM	-349.04	B
SODIUM	20.75	B

SAMPLE: CCB

File: BUH10A Aug 11, 2004 4:55

Analyte	Result	C
ALUMINUM	49.44	B
CALCIUM	41.05	B
IRON	11.06	B
MAGNESIUM	24.70	U
POTASSIUM	-823.40	B
SODIUM	27.08	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: CCB

File: BUH10A Aug 11, 2004 5:58

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	26.50	B
MAGNESIUM	46.02	B
POTASSIUM	238.00	U
SODIUM	19.10	U

SAMPLE: CCB

File: BUH10A Aug 11, 2004 6:26

Analyte	Result	C
ALUMINUM	62.05	B
CALCIUM	27.55	B
IRON	19.03	B
MAGNESIUM	25.64	B
POTASSIUM	238.00	U
SODIUM	43.96	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Concentration Units: ug/L

SAMPLE: ICB

File: HUH10B Aug 10, 2004 17:42

Analyte	Result	C
MERCURY	-0.04	B

SAMPLE: CCB

File: HUH10B Aug 10, 2004 18:07

Analyte	Result	C
MERCURY	-0.04	B

SAMPLE: CCB

File: HUH10B Aug 10, 2004 18:33

Analyte	Result	C
MERCURY	-0.04	B

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	18.30	P
ANTIMONY	8.0	2.34	P
ARSENIC	8.0	3.03	P
BARIUM	5.0	0.17	P
BERYLLIUM	5.0	0.25	P
CADMIUM	10	0.30	P
CALCIUM	50	3.13	P
CHROMIUM	15	0.80	P
COBALT	30	0.64	P
COPPER	25	0.86	P
IRON	100	10.70	P
LEAD	5.0	1.70	P
MAGNESIUM	50	7.52	P
MANGANESE	5.0	0.13	P
NICKEL	40	0.85	P
SELENIUM	10	3.71	P
SILVER	15	0.70	P
THALLIUM	15	4.09	P
TIN	100	1.79	P
VANADIUM	25	0.75	P
ZINC	25	0.25	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
POTASSIUM	2000	238.00	P
SODIUM	1000	19.10	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 1/17/2003

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
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
TIN	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:** 1/17/2003

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

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH10HGS1

Matrix: SOIL **SDG Name:** CTO351-7

Method: CV **Prep Date:** 08/10/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH10HGS1	LCSOUH10HGS1	0.6	0.1
PBSUH10HGS1	PBSUH10HGS1	0.6	0.1
C03V-14C-24-0804	WU2427-001	0.78	0.1
C03V-15EN-06-0804	WU2427-002	0.76	0.1
C03V-15EN-12-0804	WU2427-003	0.68	0.1
C03V-15EN-24-0804	WU2427-004	0.79	0.1
C03V-15C-06-0804	WU2427-005	0.83	0.1
C03V-15C-12-0804	WU2427-006	0.66	0.1
C03V-15C-24-0804	WU2427-007	0.68	0.1
C03V-16SW-06-0804	WU2427-008	0.62	0.1
C03V-16SW-12-0804	WU2427-009	0.76	0.1
C03V-16SW-24-0804	WU2427-010	0.67	0.1
C03V-10F-48-0804	WU2427-011	0.68	0.1
C03V-10F-48-0804P	WU2427-011P	0.66	0.1
C03V-10F-48-0804S	WU2427-011S	0.75	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH10ICS1

Matrix: SOIL **SDG Name:** CTO351-7

Method: P **Prep Date:** 08/10/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH10ICS1	LCSOUH10ICS1	1	0.1
PBSUH10ICS1	PBSUH10ICS1	1	0.1
C03V-14C-24-0804	WU2427-001	1.59	0.1
C03V-14C-24-0804P	WU2427-001P	1.58	0.1
C03V-14C-24-0804S	WU2427-001S	1.59	0.1
C03V-15EN-06-0804	WU2427-002	1.44	0.1
C03V-15EN-12-0804	WU2427-003	1.35	0.1
C03V-15EN-24-0804	WU2427-004	1.22	0.1
C03V-15C-06-0804	WU2427-005	1.3	0.1
C03V-15C-12-0804	WU2427-006	1.67	0.1
C03V-15C-24-0804	WU2427-007	1.69	0.1
C03V-16SW-06-0804	WU2427-008	1.55	0.1
C03V-16SW-12-0804	WU2427-009	1.28	0.1
C03V-16SW-24-0804	WU2427-010	1.37	0.1
C03V-10F-48-0804	WU2427-011	1.23	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Instrument ID: TJA TRACE ICP **File Name:** AUH10A

Date: 8/10/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements															
S0		1	16:23	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
S1		1	16:30	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
AL IEC		1	16:39	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
FE IEC		1	16:46	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
MN IEC		1	16:53	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
IEC		1	17:00	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICV		1	17:06	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICB		1	17:13	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
PQL		1	17:20	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CRI		1	17:26	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	17:33	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	17:40	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	17:47	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	17:53	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		1	18:00																					
ZZZZZZ		1	18:07																					
ZZZZZZ		1	18:13																					
ZZZZZZ		5	18:20																					
ZZZZZZ		1	18:27																					
ZZZZZZ		1	18:33																					
ZZZZZZ		1	18:40																					
ZZZZZZ		1	18:47																					
ZZZZZZ		1	18:53																					
ZZZZZZ		1	19:00																					
CCV		1	19:07	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	19:14	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		1	19:20																					
ZZZZZZ		1	19:27																					
ZZZZZZ		1	19:34																					
ZZZZZZ		1	19:40																					
ZZZZZZ		1	19:47																					
ZZZZZZ		1	19:54																					
ZZZZZZ		1	20:00																					
ZZZZZZ		1	20:07																					
ZZZZZZ		1	20:14																					
ZZZZZZ		1	20:21																					
CCV		1	20:27	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	20:34	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		1	20:41																					
ZZZZZZ		1	20:47																					
ZZZZZZ		1	20:54																					
ZZZZZZ		1	21:01																					
ZZZZZZ		1	21:07																					
ZZZZZZ		1	21:14																					
ZZZZZZ		1	21:21																					
CRI		1	21:28	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	21:34	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	21:41	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	21:48	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	21:54	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Instrument ID: TJA TRACE ICP **File Name:** AUH10A

Date: 8/10/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	22:01	
ZZZZZZ		1	22:08	
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		5	22:55	
ZZZZZZ		1	23:01	
CCV		1	23:08	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	23:15	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ZZZZZZ		1	23:21	
ZZZZZZ		1	23:28	
ZZZZZZ		1	23:35	
ZZZZZZ		1	23:42	
ZZZZZZ		1	23:48	
ZZZZZZ		1	23:55	
PBSUH10ICS1		1	0:02	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
LCSOUH10ICS1		1	0:08	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-001	C03V-14C-24-0804	1	0:15	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-001L	C03V-14C-24-0804L	5	0:22	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCV		1	0:28	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	0:35	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-001S	C03V-14C-24-0804S	1	0:42	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-001P	C03V-14C-24-0804P	1	0:49	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-002	C03V-15EN-06-0804	1	0:55	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-003	C03V-15EN-12-0804	1	1:02	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-004	C03V-15EN-24-0804	1	1:09	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-005	C03V-15C-06-0804	1	1:15	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-006	C03V-15C-12-0804	1	1:22	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CRI		1	1:29	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICSA		1	1:36	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICSAB		1	1:42	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCV		1	1:49	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	1:56	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-007	C03V-15C-24-0804	1	2:02	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-008	C03V-16SW-06-0804	1	2:09	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-009	C03V-16SW-12-0804	1	2:16	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-010	C03V-16SW-24-0804	1	2:23	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2427-011	C03V-10F-48-0804	1	2:29	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ZZZZZZ		1	2:36	
ZZZZZZ		10	2:43	
ZZZZZZ		10	2:49	
ZZZZZZ		10	2:56	
ZZZZZZ		10	3:03	
CCV		1	3:09	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	3:16	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ZZZZZZ		10	3:23	
ZZZZZZ		10	3:30	
ZZZZZZ		10	3:36	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Instrument ID: TJA TRACE ICP **File Name:** AUH10A

Date: 8/11/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements														
ZZZZZZ		10	3:43															
ZZZZZZ		10	3:50															
ZZZZZZ		10	3:56															
ZZZZZZ		10	4:03															
ZZZZZZ		10	4:10															
ZZZZZZ		10	4:17															
ZZZZZZ		10	4:23															
CCV		1	4:30	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	4:37	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		10	4:43																					
ZZZZZZ		50	4:50																					
ZZZZZZ		10	4:57																					
ZZZZZZ		10	5:04																					
ZZZZZZ		10	5:10																					
ZZZZZZ		10	5:17																					
ZZZZZZ		10	5:24																					
CRI		1	5:31	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	5:37	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	5:44	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	5:51	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	5:57	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		10	6:04																					
ZZZZZZ		10	6:11																					
WU2427-001	C03V-14C-24-0804	10	6:18							Ca														
WU2427-002	C03V-15EN-06-0804	10	6:24							Ca														
WU2427-003	C03V-15EN-12-0804	10	6:31							Ca														
WU2427-004	C03V-15EN-24-0804	10	6:38							Ca														
WU2427-005	C03V-15C-06-0804	10	6:45							Ca														
WU2427-006	C03V-15C-12-0804	10	6:51							Ca														
WU2427-007	C03V-15C-24-0804	10	6:58							Ca														
WU2427-008	C03V-16SW-06-0804	10	7:05							Ca														
CCV		1	7:11	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	7:18	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2427-009	C03V-16SW-12-0804	10	7:25							Ca														
WU2427-010	C03V-16SW-24-0804	10	7:32							Ca														
WU2427-011	C03V-10F-48-0804	10	7:38							Ca														
WU2427-001L	C03V-14C-24-0804L	50	7:45							Ca														
WU2427-001S	C03V-14C-24-0804S	10	7:52							Ca														
WU2427-001P	C03V-14C-24-0804P	10	7:58							Ca														
CRI		1	8:05	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	8:12	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	8:19	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	8:25	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	8:32	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Instrument ID: TJA 61 ICP **File Name:** BUH10A

Date: 8/10/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
S0		1	16:23	Al	Ca	Fe	Mg	K	Na
S1		1	16:29	Al	Ca	Fe	Mg	K	Na
AL IEC		1	16:34	Al	Ca	Fe	Mg	K	Na
FE IEC		1	16:43	Al	Ca	Fe	Mg	K	Na
ICV		1	16:51	Al	Ca	Fe	Mg	K	Na
ICB		1	16:57	Al	Ca	Fe	Mg	K	Na
PQL		1	17:02	Al	Ca	Fe	Mg	K	Na
CRI		1	17:08	Al	Ca	Fe	Mg	K	Na
ICSA		1	17:14	Al	Ca	Fe	Mg	K	Na
ICSAB		1	17:25	Al	Ca	Fe	Mg	K	Na
CCV		1	17:31	Al	Ca	Fe	Mg	K	Na
CCB		1	17:36	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	17:42						
ZZZZZZ		1	17:48						
ZZZZZZ		1	17:53						
ZZZZZZ		5	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						
CCV		1	18:38	Al	Ca	Fe	Mg	K	Na
CCB		1	18:46	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	18:52						
ZZZZZZ		1	18:57						
ZZZZZZ		1	19:03						
ZZZZZZ		1	19:09						
ZZZZZZ		1	19:14						
ZZZZZZ		1	19:20						
ZZZZZZ		1	19:25						
ZZZZZZ		1	19:31						
ZZZZZZ		1	19:37						
ZZZZZZ		1	19:42						
CCV		1	19:48	Al	Ca	Fe	Mg	K	Na
CCB		1	19:54	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	19:59						
ZZZZZZ		1	20:05						
ZZZZZZ		1	20:11						
ZZZZZZ		1	20:16						
ZZZZZZ		1	20:22						
ZZZZZZ		1	20:27						
ZZZZZZ		1	20:33						
CRI		1	20:39	Al	Ca	Fe	Mg	K	Na
ICSA		1	20:44	Al	Ca	Fe	Mg	K	Na
ICSAB		1	20:50	Al	Ca	Fe	Mg	K	Na
CCV		1	20:56	Al	Ca	Fe	Mg	K	Na
CCB		1	21:01	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	21:07						
ZZZZZZ		1	21:13						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Instrument ID: TJA 61 ICP **File Name:** BUH10A

Date: 8/10/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ZZZZZZ		1	21:18						
ZZZZZZ		1	21:24						
ZZZZZZ		5	21:29						
ZZZZZZ		1	21:35						
ZZZZZZ		1	21:41						
ZZZZZZ		1	21:46						
ZZZZZZ		1	21:52						
ZZZZZZ		1	21:58						
CCV		1	22:03	Al	Ca	Fe	Mg	K	Na
CCB		1	22:09	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	22:15						
ZZZZZZ		1	22:20						
ZZZZZZ		1	22:26						
ZZZZZZ		1	22:31						
ZZZZZZ		1	22:37						
ZZZZZZ		1	22:43						
ZZZZZZ		1	22:48						
ZZZZZZ		1	22:54						
ZZZZZZ		1	23:00						
ZZZZZZ		5	23:05						
CCV		1	23:11	Al	Ca	Fe	Mg	K	Na
CCB		1	23:17	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	23:22						
ZZZZZZ		1	23:28						
ZZZZZZ		1	23:33						
ZZZZZZ		1	23:39						
ZZZZZZ		1	23:45						
ZZZZZZ		1	23:50						
ZZZZZZ		5	23:56						
CRI		1	0:02	Al	Ca	Fe	Mg	K	Na
ICSA		1	0:07	Al	Ca	Fe	Mg	K	Na
ICSAB		1	0:13	Al	Ca	Fe	Mg	K	Na
CCV		1	0:19	Al	Ca	Fe	Mg	K	Na
CCB		1	0:24	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	0:30						
ZZZZZZ		1	0:36						
ZZZZZZ		1	0:41						
ZZZZZZ		1	0:47						
ZZZZZZ		1	0:52						
ZZZZZZ		1	0:58						
ZZZZZZ		1	1:04						
ZZZZZZ		1	1:09						
ZZZZZZ		1	1:15						
ZZZZZZ		1	1:21						
CCV		1	1:26	Al	Ca	Fe	Mg	K	Na
CCB		1	1:32	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	1:38						
ZZZZZZ		1	1:43						
ZZZZZZ		1	1:49						
ZZZZZZ		1	1:55						
ZZZZZZ		1	2:00						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Instrument ID: TJA 61 ICP **File Name:** BUH10A

Date: 8/11/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ZZZZZZ		1	2:06						
ZZZZZZ		1	2:12						
ZZZZZZ		1	2:17						
ZZZZZZ		1	2:23						
ZZZZZZ		1	2:29						
CCV		1	2:34	Al	Ca	Fe	Mg	K	Na
CCB		1	2:40	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		5	2:45						
ZZZZZZ		1	2:51						
ZZZZZZ		1	2:57						
ZZZZZZ		1	3:02						
ZZZZZZ		1	3:08						
ZZZZZZ		1	3:14						
ZZZZZZ		1	3:19						
CRI		1	3:25	Al	Ca	Fe	Mg	K	Na
ICSA		1	3:31	Al	Ca	Fe	Mg	K	Na
ICSAB		1	3:36	Al	Ca	Fe	Mg	K	Na
CCV		1	3:42	Al	Ca	Fe	Mg	K	Na
CCB		1	3:48	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	3:53						
PBSUH10ICS1		1	3:59					K	Na
LCSOUH10ICS1		1	4:05					K	Na
WU2427-001	C03V-14C-24-0804	1	4:10					K	Na
WU2427-001L	C03V-14C-24-0804L	5	4:16					K	Na
WU2427-001S	C03V-14C-24-0804S	1	4:21					K	Na
WU2427-001P	C03V-14C-24-0804P	1	4:27					K	Na
WU2427-002	C03V-15EN-06-0804	1	4:33					K	Na
WU2427-003	C03V-15EN-12-0804	1	4:38					K	Na
WU2427-004	C03V-15EN-24-0804	1	4:44					K	Na
CCV		1	4:50	Al	Ca	Fe	Mg	K	Na
CCB		1	4:55	Al	Ca	Fe	Mg	K	Na
WU2427-005	C03V-15C-06-0804	1	5:01					K	Na
WU2427-006	C03V-15C-12-0804	1	5:07					K	Na
WU2427-007	C03V-15C-24-0804	1	5:12					K	Na
WU2427-008	C03V-16SW-06-0804	1	5:18					K	Na
WU2427-009	C03V-16SW-12-0804	1	5:24					K	Na
WU2427-010	C03V-16SW-24-0804	1	5:29					K	Na
WU2427-011	C03V-10F-48-0804	1	5:35					K	Na
ZZZZZZ		1	5:41						
ZZZZZZ		1	5:46						
CCV		1	5:52	Al	Ca	Fe	Mg	K	Na
CCB		1	5:58	Al	Ca	Fe	Mg	K	Na
CRI		1	6:03	Al	Ca	Fe	Mg	K	Na
ICSA		1	6:09	Al	Ca	Fe	Mg	K	Na
ICSAB		1	6:15	Al	Ca	Fe	Mg	K	Na
CCV		1	6:20	Al	Ca	Fe	Mg	K	Na
CCB		1	6:26	Al	Ca	Fe	Mg	K	Na

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-7

Instrument ID: CETAC M6100 **File Name:** HUH10B

Date: 8/10/2004 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	17:27	Hg
Standard #1 (0.2 p		1	17:29	Hg
Standard #2 (0.5 p		1	17:31	Hg
Standard #3 (1.0 p		1	17:33	Hg
Standard #4 (5.0 p		1	17:36	Hg
Standard #5 (10.0		1	17:38	Hg
ICV		1	17:40	HG
ICB		1	17:42	HG
CRA		1	17:44	HG
LCSOUH10HGS1		1	17:46	HG
PBSUH10HGS1		1	17:48	HG
WU2427-001	C03V-14C-24-0804	1	17:50	HG
WU2427-002	C03V-15EN-06-0804	1	17:53	HG
WU2427-003	C03V-15EN-12-0804	1	17:55	HG
WU2427-004	C03V-15EN-24-0804	1	17:57	HG
WU2427-005	C03V-15C-06-0804	1	17:59	HG
WU2427-006	C03V-15C-12-0804	1	18:01	HG
WU2427-007	C03V-15C-24-0804	1	18:03	HG
CCV		1	18:05	HG
CCB		1	18:07	HG
WU2427-008	C03V-16SW-06-0804	1	18:10	HG
WU2427-009	C03V-16SW-12-0804	1	18:12	HG
WU2427-010	C03V-16SW-24-0804	1	18:14	HG
WU2427-011	C03V-10F-48-0804	1	18:16	HG
WU2427-011P	C03V-10F-48-0804P	1	18:18	HG
WU2427-011S	C03V-10F-48-0804S	1	18:20	HG
ZZZZZZ		1	18:22	
ZZZZZZ		1	18:24	
ZZZZZZ		1	18:27	
ZZZZZZ		1	18:29	
CCV		1	18:31	HG
CCB		1	18:33	HG

FORM XIV - IN

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **C. BRYAN** **DATE: SEPTEMBER 3, 2004**

FROM: **D. SCHLOER** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PCB**
CTO 349, NAS KEY WEST
SDG: 3518

SAMPLES: 10/Soil/PCB

C03V-12C-06-0804	C03V-12C-24-0804	C03V-12NW-06-0804
C03V-12NW-12-0804	C03V-12NW-24-0804	C03V-5F-0804
C03V-DUP04-0804	C03V-DUP05-0804	C03V-12C-12-0804
C03V-DUP06-0804		

Overview

The sample set for CTO 349; NAS Key West; SDG 3518 consists of ten (10) soil environmental samples, including three field duplicates. As detailed above, the samples were analyzed for Polychlorinated Biphenyls (PCBs). Three field duplicate pair were included in this SDG: C03V-5F-0804/C03V-DUP04-0804 and C03V-12NW-12-0804/C03V-DUP05-0804 and C03V-12C-24-0804/C03V-DUP06-0804.

The samples were collected by Tetra Tech NUS on August 10th, 2004 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 U.S. EPA Test Methods for Evaluating Solid Waste (SW-846) Methods 8082 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
• Field Duplicate Precision
* • 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. Results as reported by the laboratory are presented in Appendix B.

PCB

The surrogate Decachlorobiphenyl (DCB) was recovered above the 56%-107% quality control limit on one analytical column for the analysis of sample C03V-12C-24-0804. No data validation action was taken based on this noncompliance.

The surrogate Tetrachloro-m-xylene (TCX) was recovered below the 44%-103% quality control limit on one analytical column for the analysis of sample C03V-12NW-12-0804. No data validation action was taken based on this noncompliance.

The surrogate DCB was recovered above the 56%-107% quality control limit on one analytical column for the analysis of sample C03V-DUP06-0804. No data validation action was taken based on this noncompliance.

The laboratory analyzed and reported sample C03V-DUP04-0804 at a 2X dilution factor. This accounts for the elevated reporting limits for this sample.

Results for the following field duplicate pairs were reported in this SDG: C03V-5F-0804/C03V-DUP04-0804 and C03V-12NW-12-0804/C03V-DUP05-0804 and C03V-12C-24-0804/C03V-DUP06-0804. Field Duplicate precision was assessed by calculating the Relative Percent Difference (RPD) between positive results to a quality control limit of 50% for the solid matrix.

The target PCB Aroclor-1260 was detected in the field duplicate pair C03V-5F-0804 and C03V-DUP04-0804 resulting in a RPD of 86.8%. Positive results for Aroclor-1260 were qualified as estimated (J) in the duplicate pair.

The target PCB Aroclor-1260 was detected in original sample C03V-12NW-12-0804 but not in the duplicate sample C03V-DUP05-0804, resulting in a RPD of 200%. No data validation action was taken as the positive Aroclor-1260 result in sample C03V-12NW-12-0804 is less than 2X the Reporting Limit (RL).

The target PCB Aroclor-1260 was detected in the field duplicate pair C03V-12C-24-0804 and C03V-DUP06-0804, resulting in a RPD of 112.8%. No data validation action was taken as one of the results was less than 2X the RL.

Additional Comments

Nondetected organic compounds were reported to the method detection limits (MDLs); positive results greater than the MDL but less than the sample-specific Reporting Limit (RL) were qualified as estimated (J) due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Surrogate recoveries were noncompliant for the analysis of several samples. No data were qualified on this basis.

Other Factors Affecting Data Quality: Field duplicate imprecision was observed for Aroclor 1260 in one field duplicate pair.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the NFESC guidelines 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

for Douglas Schloer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration 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: 0693

SDG: 3518 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-12C-06-0804	nsample	C03V-12C-12-0804	nsample	C03V-12C-24-0804
samp_date	8/10/2004	samp_date	8/10/2004	samp_date	8/10/2004
lab_id	WU2451-1	lab_id	WU2451-2	lab_id	WU2451-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	95.4	Pct_Solids	93.9	Pct_Solids	83.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	39		
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	650		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	2100		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	20	U	
AROCLOR-1221	20	U	
AROCLOR-1232	20	U	
AROCLOR-1242	20	U	
AROCLOR-1248	20	U	
AROCLOR-1254	20	U	
AROCLOR-1260	61		

PROJ_NO: 0693

SDG: 3518 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-12NW-06-0804	nsample	C03V-12NW-12-0804	nsample	C03V-12NW-24-0804
samp_date	8/10/2004	samp_date	8/10/2004	samp_date	8/10/2004
lab_id	WU2451-4	lab_id	WU2451-5	lab_id	WU2451-6
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	95.3	Pct_Solids	91.3	Pct_Solids	79.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	270		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	20		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	21	U	
AROCLOR-1221	21	U	
AROCLOR-1232	21	U	
AROCLOR-1242	21	U	
AROCLOR-1248	21	U	
AROCLOR-1254	21	U	
AROCLOR-1260	21	U	

PROJ_NO: 0693

SDG: 3518 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-5F-0804	nsample	C03V-DUP04-0804	nsample	C03V-DUP05-0804
samp_date	8/10/2004	samp_date	8/10/2004	samp_date	8/10/2004
lab_id	WU2451-10	lab_id	WU2451-9DL	lab_id	WU2451-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	89.9	Pct_Solids	90.7	Pct_Solids	76.6
DUP_OF:		DUP_OF:	C03V-5F-0804	DUP_OF:	C03V-12NW-12-0804

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	1500	J	G

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	34	U	
AROCLOR-1221	34	U	
AROCLOR-1232	34	U	
AROCLOR-1242	34	U	
AROCLOR-1248	34	U	
AROCLOR-1254	34	U	
AROCLOR-1260	3800	J	G

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	22	U	
AROCLOR-1221	22	U	
AROCLOR-1232	22	U	
AROCLOR-1242	22	U	
AROCLOR-1248	22	U	
AROCLOR-1254	22	U	
AROCLOR-1260	22	U	

PROJ_NO: 0693

SDG: 3518 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-DUP06-0804
samp_date	8/10/2004
lab_id	WU2451-8
qc_type	NM
units	UG/KG
Pct_Solids	85.6
DUP_OF:	C03V-12C-24-0804

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	20	U	
AROCLOR-1221	20	U	
AROCLOR-1232	20	U	
AROCLOR-1242	20	U	
AROCLOR-1248	20	U	
AROCLOR-1254	20	U	
AROCLOR-1260	17	J	P

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 95.4

Lab ID: WU2451-1
Client ID: C03V-12C-06-0804
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.6
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.5
53469-21-9	Aroclor-1242		39	1.0	17	18	7.0
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.6
11097-69-1	Aroclor-1254	U	18	1.0	17	18	4.9
11096-82-5	Aroclor-1260		650	1.0	17	18	9.0
877-09-8	Tetrachloro-m-xylene		87%				
2051-24-3	Decachlorobiphenyl		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 93.9

Lab ID: WU2451-2
Client ID: C03V-12C-12-0804
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.7
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		2100	1.0	17	18	9.1
877-09-8	Tetrachloro-m-xylene		79%				
2051-24-3	Decachlorobiphenyl		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 83.1

Lab ID: WU2451-3
Client ID: C03V-12C-24-0804
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	20	1.0	17	20	13
11104-28-2	Aroclor-1221	U	20	1.0	17	20	9.8
11141-16-5	Aroclor-1232	U	20	1.0	17	20	6.4
53469-21-9	Aroclor-1242	U	20	1.0	17	20	8.1
12672-29-6	Aroclor-1248	U	20	1.0	17	20	9.9
11097-69-1	Aroclor-1254	U	20	1.0	17	20	5.6
11096-82-5	Aroclor-1260		61	1.0	17	20	10
877-09-8	Tetrachloro-m-xylene		99%				
2051-24-3	Decachlorobiphenyl		*112%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 95.3

Lab ID: WU2451-4
Client ID: C03V-12NW-06-0804
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.6
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.5
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.1
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.7
11097-69-1	Aroclor-1254	U	18	1.0	17	18	4.9
11096-82-5	Aroclor-1260		270	1.0	17	18	9.0
877-09-8	Tetrachloro-m-xylene		75%				
2051-24-3	Decachlorobiphenyl		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 91.3

Lab ID: WU2451-5
Client ID: C03V-12NW-12-0804
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.0
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.0
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.1
11096-82-5	Aroclor-1260		20	1.0	17	19	9.4
877-09-8	Tetrachloro-m-xylene		47%				
2051-24-3	Decachlorobiphenyl		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 79.6

Lab ID: WU2451-6
Client ID: C03V-12NW-24-0804
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	21	1.0	17	21	13
11104-28-2	Aroclor-1221	U	21	1.0	17	21	10
11141-16-5	Aroclor-1232	U	21	1.0	17	21	6.6
53469-21-9	Aroclor-1242	U	21	1.0	17	21	8.4
12672-29-6	Aroclor-1248	U	21	1.0	17	21	10
11097-69-1	Aroclor-1254	U	21	1.0	17	21	5.9
11096-82-5	Aroclor-1260	U	21	1.0	17	21	11
877-09-8	Tetrachloro-m-xylene		82%				
2051-24-3	Decachlorobiphenyl		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 89.9

Lab ID: WU2451-10
Client ID: C03V-5F-0804
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.1
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.9
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.5
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.2
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260		1500	1.0	17	19	9.5
877-09-8	Tetrachloro-m-xylene		58%				
2051-24-3	Decachlorobiphenyl		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/12/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 90.7

Lab ID: WU2451-9DL
Client ID: C03V-DUP04-0804
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	34	2.0	15	34	23
11104-28-2	Aroclor-1221	U	34	2.0	15	34	18
11141-16-5	Aroclor-1232	U	34	2.0	15	34	12
53469-21-9	Aroclor-1242	U	34	2.0	15	34	15
12672-29-6	Aroclor-1248	U	34	2.0	15	34	18
11097-69-1	Aroclor-1254	U	34	2.0	15	34	10
11096-82-5	Aroclor-1260		3800	2.0	15	34	19
877-09-8	Tetrachloro-m-xylene		74%				
2051-24-3	Decachlorobiphenyl		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 76.6

Lab ID: WU2451-7
Client ID: C03V-DUP05-0804
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	22	1.0	17	22	14
11104-28-2	Aroclor-1221	U	22	1.0	17	22	11
11141-16-5	Aroclor-1232	U	22	1.0	17	22	6.9
53469-21-9	Aroclor-1242	U	22	1.0	17	22	8.8
12672-29-6	Aroclor-1248	U	22	1.0	17	22	11
11097-69-1	Aroclor-1254	U	22	1.0	17	22	6.1
11096-82-5	Aroclor-1260	U	22	1.0	17	22	11
877-09-8	Tetrachloro-m-xylene		69%				
2051-24-3	Decachlorobiphenyl		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 85.6

Lab ID: WU2451-8
Client ID: C03V-DUP06-0804
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	20	1.0	17	20	12
11104-28-2	Aroclor-1221	U	20	1.0	17	20	9.6
11141-16-5	Aroclor-1232	U	20	1.0	17	20	6.2
53469-21-9	Aroclor-1242	U	20	1.0	17	20	7.8
12672-29-6	Aroclor-1248	U	20	1.0	17	20	9.6
11097-69-1	Aroclor-1254	U	20	1.0	17	20	5.5
11096-82-5	Aroclor-1260	J	17	1.0	17	20	10
877-09-8	Tetrachloro-m-xylene		101%				
2051-24-3	Decachlorobiphenyl		*108%				

APPENDIX C

SUPPORT DOCUMENTATION

S-DIV CTO 349 SDG 3518

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-12NW-12-0804	WU2451-5	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-5F-0804	WU2451-10	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-DUP04-0804	WU2451-9DL	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
PCB	%	C03V-DUP05-0804	WU2451-7	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-DUP06-0804	WU2451-8	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-12C-06-0804	WU2451-1	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-12NW-06-0804	WU2451-4	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12C-06-0804	WU2451-1	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-DUP06-0804	WU2451-8	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-DUP05-0804	WU2451-7	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-DUP04-0804	WU2451-9DL	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
PCB	UG/KG	C03V-5F-0804	WU2451-10	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12NW-24-0804	WU2451-6	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12NW-12-0804	WU2451-5	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12NW-06-0804	WU2451-4	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12C-12-0804	WU2451-2	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12C-24-0804	WU2451-3	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1

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

4

Client: Tetra Tech NUS | Contact: Chuck Bryan | Phone #: 649-7963 (803) 25 | Fax #: 649-8454 (803)

Address: 900 Trail Ridge Rd | City: Aiken | State: SC | Zip Code: 29803

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): Shonda C. Sumpter | Copies To:

LAB USE ONLY | WORK ORDER #: LU2451 | KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☒ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N: TAL Metals	Filt. ☐Y ☐N: TCL PCBs	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-12C-06-0804	10Aug04 / 0925	SO	1	X	X								
	C03V-12C-12-0804	/ 0930				✓								
	C03V-12C-24-0804	/ 0935				✓								
	C03V-12NW06-0804	/ ~~0920~~ 1130				✓								
	C03V-12NW-12-0804	/ 1130				✓								
	C03V-12NW-24-0804	/ 1130				✓								
	C03V-DUP05-0804	/ —				✓								
	C03V-DUP06-0804	/ —				✓								
	C03V-DUP04-0804	/ —				✓								
	C03V-5F-0804	/ 1110				✓								
		/												
		/												
		/												
		/												
		/												
		/												

8-31-04

COMMENTS

24 hour turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10 Aug 04 2:48PM	[signature] Fed Ex	8/11/04 0830		
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.

0000006

ORIGINAL

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST; SDG: CTO351-8
WU2451
TASK ORDER MANAGER: CHARLES BRYAN

Sample Receipt

The following samples were received on August 11, 2004 and were logged in under Katahdin Analytical Services work order number WU2451 for a hardcopy due date of September 6, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2451-1	C03V-12C-06-0804
WU2451-2	C03V-12C-12-0804
WU2451-3	C03V-12C-24-0804
WU2451-4	C03V-12NW-06-0804
WU2451-5	C03V-12NW-12-0804
WU2451-6	C03V-12NW-24-0804
WU2451-7	C03V-DUP05-0804
WU2451-8	C03V-DUP06-0804
WU2451-9	C03V-DUP04-0804
WU2451-10	C03V-5F-0804

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

The samples of SDG CTO351-8 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

Samples WU2451-3 and 8 had high recoveries for the extraction surrogate DCB on channel A, which were outside of the laboratory established acceptance limits. Since the recoveries for DCB were within the acceptance limits on channel B and TCX on both channels, the samples were not reanalyzed.

Sample WU2451-5 had a low recovery for the extraction surrogate TCX on channel A, which was outside of the laboratory established acceptance limits. Since the recovery for TCX was within the acceptance limits on channel B and DCB on both channels, the sample was not reanalyzed.

The calibration verification standards (CV) (files 6UH2177, 6UH2195 and 6UH2200) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

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

Metals Analysis

The samples of Katahdin SDG CTO351-8 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. WU2451-(1-10) were digested for ICP analysis on 08/11/04 (QC Batch UH11ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2451-1 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.081 mg/L, corresponding to a dry-weight concentration of 8.1 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of SDG CTO351-8 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2451-(1-10) were digested for mercury analysis on 08/12/04 (QC Batch UH12HGS0) in accordance with USEPA Method 7471A.

Mercury analyses of Katahdin SDG CTO351-8 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for lead (57.4%) and manganese (70.1%) in the matrix-spike aliquot of Katahdin Sample No. WU2451-1 are outside the laboratory's acceptance limits. The recoveries for lead (67.8%), manganese (58.5%), and potassium (132.9%) in the matrix-spike duplicate aliquot of Katahdin Sample No. WU2451-4 are outside the laboratory's acceptance limits. The recoveries for all other elements in these matrix-spiked aliquots 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).

The matrix-spike duplicate analysis of Katahdin Sample No. WU2451-1 for potassium (24.4% RPD) exceeds the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample Nos. WU2451-(1, 10) are within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for all analytes.

Wet Chemistry Analysis

The samples of SDG CTO351-8 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

María Crouch
08.25.04
María Crouch
Quality Assurance Officer

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # W4 2457, W4 2452

PAGE: 1 OF 1

COOLER: 1 OF 1

CLIENT: Tetra Tech

PROJECT: C70351 Key West

COC#
SDG#
DATE / TIME RECEIVED: 8/11/09 0850
DELIVERED BY: FedEx
RECEIVED BY:
LIMS ENTRY BY:
LIMS REVIEW BY / PM:

	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)=	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y) or N?	☐	☒	☐	COOLER TEMP (°C)= 0.6 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.

000005

FIELD DUPLICATE SUMMARY - SOIL
NAS KEY WEST CTO 349

Analytical Fraction	Compound	Result (ug/L)		RPD	Result (ug/L)		RPD	Result (ug/L)		RPD
		C03V-5F-0804	C03V-DUP04-0804		C03V-12NW-12-0804	C03V-DUP05-0804		C03V-12C-24-0804	C03V-DUP06-0804	
PCB	Aroclor-1260	1500	3800	86.8	20	ND	200.0	61	17 J	112.8

ND - Compound not detected.
NC - RPD not calculated.
NA - Not Applicable
Shaded Values indicate Relative Percent Differences greater than 50% for soil and 30% for aqueous matricies.

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/12/2004
Matrix: SOIL
% Solids: 100

Lab ID: WG9146-1
Client ID: WG9146-Blank
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	10
11104-28-2	Aroclor-1221	U	17	1.0	17	17	8.2
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	8.2
11097-69-1	Aroclor-1254	U	17	1.0	17	17	4.7
11096-82-5	Aroclor-1260	U	17	1.0	17	17	8.6
877-09-8	Tetrachloro-m-xylene		90%				
2051-24-3	Decachlorobiphenyl		100%				

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-8

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

RTX-35
ICAL
ok

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.13 DCB: 20.57

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	7.14	20.58
02	ICAL	AR1660 0.05P	01/30/04	1712	7.13	20.58
03	ICAL	AR1660 0.10P	01/30/04	1741	7.14	20.58
04	ICAL	AR1660 0.25P	01/30/04	1809	7.13	20.58
05	ICAL	AR1660 2.5PP	01/30/04	1838	7.13	20.57
06	ICAL	AR1660 10PPM	01/30/04	1906	7.13	20.57
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1242 0.05P	01/30/04	2100		
11	ICAL	AR1242 0.10P	01/30/04	2128		
12	ICAL	AR1242 0.25P	01/30/04	2157		
13	ICAL	AR1242 2.5PP	01/30/04	2225		
14	ICAL	AR1242 10PPM	01/30/04	2254		
15	ICAL	AR1248 1.0PP	01/30/04	2322		
16	ICAL	AR1254 1.0PP	01/31/04	0212		
17	ICAL	AR1221 1.0PP	01/31/04	0503		
18	ICAL	AR1232 1.0PP	01/31/04	0531		
19						
20						

ok

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-8

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.92 DCB: 20.30

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #	
01	CV	AR1660 1.0PP	08/11/04	1523	6.92	20.30	ok
02	CV	AR1242 1.0PP	08/11/04	1552			ok
03	WG9146-BLANK	WG9146-1	08/11/04	1717	6.91	20.29	clean
04	WG9146-LCS	WG9146-2	08/11/04	1746	6.91	20.29	ok
05	C03V-12C-06-	WU2451-1	08/11/04	1814	6.91	20.29	
06	C03V-12C-12-	WU2451-2	08/11/04	1843	6.91	20.29	
07	C03V-12C-24-	WU2451-3	08/11/04	1911	6.91	20.30	
08	C03V-12NW-06	WU2451-4	08/11/04	1940	6.91	20.30	
09	C03V-12NW-12	WU2451-5	08/11/04	2009	6.91	20.30	
10	C03V-12NW-24	WU2451-6	08/11/04	2037	6.91	20.30	
11	C03V-DUP05-0	WU2451-7	08/11/04	2106	6.91	20.30	
12	C03V-DUP06-0	WU2451-8	08/11/04	2134	6.91	20.30	
13	C03V-5F-0804	WU2451-10	08/11/04	2231	6.92	20.30	
14	CV	AR1660 1.0PP	08/11/04	2357	6.92	20.30	ok
15	CV	AR1242 1.0PP	08/12/04	0025			ok
16	C03V-DUP04-0	WU2451-9DL	08/12/04	0941	6.94	20.31	2X dilut.
17	CV	AR1660 1.0PP	08/12/04	1009	6.92	20.30	ok
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.

8-31-04

FORM VIII PEST

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-8

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG9146-BLANK	WG9146-1	80	90	89	100			0
02	WG9146-LCS	WG9146-2	84	94	93	105			0
03	C03V-12C-06-0804	WU2451-1	79	87	89	100			0
04	C03V-12C-12-0804	WU2451-2	71	79	86	99			0
05	C03V-12C-24-0804	WU2451-3	89	99	112*	99			1
06	C03V-12NW-06-0804	WU2451-4	67	75	88	95			0
07	C03V-12NW-12-0804	WU2451-5	41*	47	83	92			1
08	C03V-12NW-24-0804	WU2451-6	73	82	85	95			0
09	C03V-DUP05-0804	WU2451-7	60	69	86	96			0
10	C03V-DUP06-0804	WU2451-8	90	101	108*	98			1
11	C03V-5F-0804	WU2451-10	51	58	70	77			0
12	C03V-DUP04-0804	WU2451-9DL	68	74	87	94			0
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

8-31-04

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: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/11/04
Analysis Date: 08/11/04
Report Date: 08/24/2004
Matrix: SOIL

Lab ID: WG9146-2
Client ID: WG9146-LCS
SDG: CTO351-8
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Aroclor-1016	167	NA	168	101	56-116
Aroclor-1260	167	NA	190	114	59-118

PCB-SON

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - SOIL PESTICIDE/PCB

Extraction Method: SW846 3550 (sonication) ✓ SW846 3540 (soxhlet)____ SW846 3545 (ase)____

Analytical Method: SW846 8081____ SW846 8082 ✓ CLP OLM03.1____ CLP OLM04.2____

Date QC Started: 8.11.04 QC Expiration Date: 8.25.04 QC Batch ID____

Surrogate ID: QC0136 Spike ID: PCB: QC0140 Spike ID:____

Solvent Lot # $MeCl_2$: A18E10 Acetone: Solvent Lot # Hexane: A02E41

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8-11-04	NB	WG 9146 -1	30g	1.0 mL	NR		✓	10mL	8-11-04	~~B5~~ B8	MC			✓		R23011
↓	↓	↓ -2	↓	↓	1.0 mL		↓	↓	↓	B9	↓			✓		
↓	↓	↓ -3	↓	↓	↓		↓									MS WW2452-3
↓	↓	↓ -4	↓	↓	↓		↓									↓ MSD

Katahdin Analytical Services 30000

8-31-04 PCB -SON

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8.11.04	NB	WU2451-1	30g	1.0 mL	NR		✓	10mL	8-11-04	B10	MC			✓		
		-2								B11						
		-3								B12						
		-4								C1						
		-5								C2						
		-6								C3						
		-7								C4						
		-8								C5						
		-9								C6						
		-10								C7						
		WU2452-1														
		-2														
		-3														
		-4														
		-5														
		-6														
		WU2346-1														

Katahdin Analytical Services 3000059

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 1, 2004**
FROM:	**ERIN M. FAUST**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS AND TIN**
CTO – 349 NAS KEY WEST
SAMPLE DELIVERY GROUP (SDG) – 3518

SAMPLES: 10/Soil/

C03V-12C-06-0804	C03V-12C-12-0804	C03V-12C-24-0804
C03V-12NW-06-0804	C03V-12NW-12-0804	C03V-12NW-24-0804
C03V-5F-0804	C003V-DUP04-0804	C03V-DUP05-0804
C03V-DUP06-0804		

Overview

The sample set for CTO 349, NAS Key West, SDG 3518, consists of ten (10) soil environmental samples. Three (3) field duplicate pairs (C03V-DUP04-0804 / C03V-5F-0804, C03V-DUP05-0804 / C03V-12NW-12-0804 and C03V-DUP06-0804 / C03V-12C-24-0804) are included within this SDG.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by TetraTech NUS on August 10, 2004 and analyzed by Katahdin Analytical Services under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. Metals analyses, with the exception of mercury, were conducted using SW-846 method 6010B. Analyses for mercury were conducted using SW-846 method 7471A.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
• Laboratory Blank Analyses
• Field Duplicate Results
* • 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	151.9 µg/L	75.95 mg/kg
Antimony	4.14 µg/L	2.07 mg/kg
Beryllium	0.57 µg/L	0.285 mg/kg

Calcium[1]	8.098 mg/kg	40.49 mg/kg
Copper	2.82 µg/L	1.41 mg/kg
Iron	20.42 µg/L	10.21 mg/kg
Magnesium	102.69 µg/L	51.345 mg/kg
Manganese	2.56 µg/L	1.28 mg/kg
Nickel	1.07 µg/L	0.535 mg/kg
Potassium	1151.37 µg/L	575.685 mg/kg
Tin[1]	2.602 mg/kg	13.01 mg/kg
Zinc[1]	0.284 mg/kg	1.42 mg/kg

[1] Maximum concentration present in a laboratory preparation blank.

An action level of 5X the maximum concentration has been used to evaluate the sample data for blank contamination. Sample aliquot, percent solids and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. Positive results, less than the action level, reported for aluminum, antimony, beryllium, nickel, potassium and tin were qualified "U" as a result of laboratory blank contamination.

Field Duplicate Results

Field duplicate imprecision (difference > 4X CRDL) was noted for manganese in the C03V-DUP04-0804 / C03V-5F-0804 sample pair. Positive results reported for manganese in this sample pair were qualified as estimated, "J".

Field duplicate imprecision (difference > 4X CRDL) was noted for aluminum, mercury and sodium in the C03V-DUP05-0804 / C03V-12NW-12-0804 sample pair. Positive results reported for these analytes in this sample pair were qualified as estimated, "J". The nondetected result reported for mercury in sample C03V-12NW-12-0804 was qualified as estimated, "UJ".

Field duplicate imprecision (RPD > 50%) was noted for iron, magnesium and manganese in the C03V-DUP05-0804 / C03V-12NW-12-0804 sample pair. Positive results reported for these analytes in this sample pair were qualified as estimated, "J".

Field duplicate imprecision (RPD > 50%) was noted for aluminum, copper, iron, magnesium and manganese in the C03V-DUP06-0804 / C03V-12C-24-0804 sample pair. Positive results reported for these analytes in this sample pair were qualified as estimated, "J".

Notes

All samples were diluted by a factor of 10 for calcium.

Executive Summary

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

Other Factors Affecting Data Quality: Field duplicate imprecision was noted for several analytes.

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
Erin M. Faust
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

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

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: 0693

SDG: 3518 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-12C-06-0804	nsample	C03V-12C-12-0804	nsample	C03V-12C-24-0804
samp_date	8/10/2004	samp_date	8/10/2004	samp_date	8/10/2004
lab_id	WU2451-001	lab_id	WU2451-002	lab_id	WU2451-003
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	95.4	Pct_Solids	93.9	Pct_Solids	83.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	688		
ANTIMONY	0.66	U	A
ARSENIC	1.1		
BARIUM	7.9		
BERYLLIUM	0.06	U	A
CADMIUM	0.12		
CALCIUM	214000		
CHROMIUM	7.5		
COBALT	0.40		
COPPER	7.0		
IRON	2670		
LEAD	61.6		
MAGNESIUM	1780		
MANGANESE	39.7		
MERCURY	0.01		
NICKEL	1.7		
POTASSIUM	151	U	A
SELENIUM	0.30	U	
SILVER	0.06	U	
SODIUM	254		
THALLIUM	0.33	U	
TIN	2.4	U	A
VANADIUM	5.2		
ZINC	20.0		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	719	J	G
ANTIMONY	0.53	U	A
ARSENIC	0.94		
BARIUM	6.3		
BERYLLIUM	0.08	U	A
CADMIUM	0.07		
CALCIUM	218000		
CHROMIUM	5.1		
COBALT	0.29		
COPPER	2.3	J	G
IRON	692	J	G
LEAD	10.5		
MAGNESIUM	1800	J	G
MANGANESE	24.0	J	G
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	150	U	A
SELENIUM	0.34	U	
SILVER	0.06	U	
SODIUM	227		
THALLIUM	0.41		
TIN	2.4	U	A
VANADIUM	5.2		
ZINC	3.8		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	1030		
ANTIMONY	1.8	U	A
ARSENIC	1.5		
BARIUM	38.5		
BERYLLIUM	0.02	U	
CADMIUM	0.13		
CALCIUM	314000		
CHROMIUM	3.5		
COBALT	0.40		
COPPER	56.6		
IRON	3350		
LEAD	98.2		
MAGNESIUM	4450		
MANGANESE	68.7		
MERCURY	0.28		
NICKEL	1.6		
POTASSIUM	161	U	A
SELENIUM	0.34	U	
SILVER	0.06	U	
SODIUM	1560		
THALLIUM	0.38	U	
TIN	5.8	U	A
VANADIUM	2.2		
ZINC	71.4		

PROJ_NO: 0693

SDG: 3518 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-12NW-06-0804	nsample	C03V-12NW-12-0804	nsample	C03V-12NW-24-0804
samp_date	8/10/2004	samp_date	8/10/2004	samp_date	8/10/2004
lab_id	WU2451-004	lab_id	WU2451-005	lab_id	WU2451-006
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	95.3	Pct_Solids	91.3	Pct_Solids	79.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	814		
ANTIMONY	0.39	U	A
ARSENIC	0.79		
BARIUM	6.8		
BERYLLIUM	0.07	U	A
CADMIUM	0.09		
CALCIUM	224000		
CHROMIUM	5.7		
COBALT	0.26		
COPPER	3.3		
IRON	715		
LEAD	29.5		
MAGNESIUM	1920		
MANGANESE	25.2		
MERCURY	0.01		
NICKEL	1.2		
POTASSIUM	100	U	A
SELENIUM	0.26	U	
SILVER	0.05	U	
SODIUM	225		
THALLIUM	0.28	U	
TIN	1.8	U	A
VANADIUM	5.5		
ZINC	6.6		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	737	J	G
ANTIMONY	0.32	U	A
ARSENIC	0.62		
BARIUM	5.7		
BERYLLIUM	0.05	U	A
CADMIUM	0.04		
CALCIUM	214000		
CHROMIUM	5.1		
COBALT	0.20		
COPPER	1.5		
IRON	550	J	G
LEAD	3.5		
MAGNESIUM	1780	J	G
MANGANESE	23.4	J	G
MERCURY	0.01	UJ	G
NICKEL	0.98		
POTASSIUM	92.3	U	A
SELENIUM	0.29	U	
SILVER	0.06	U	
SODIUM	195	J	G
THALLIUM	0.32	U	
TIN	2.0	U	A
VANADIUM	5.1		
ZINC	1.4		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	95.7		
ANTIMONY	0.62	U	A
ARSENIC	0.75		
BARIUM	9.2		
BERYLLIUM	0.02	U	
CADMIUM	0.04		
CALCIUM	306000		
CHROMIUM	2.5		
COBALT	0.06	U	
COPPER	2.8		
IRON	189		
LEAD	10.1		
MAGNESIUM	6670		
MANGANESE	5.7		
MERCURY	0.10		
NICKEL	0.27	U	A
POTASSIUM	66.8	U	A
SELENIUM	0.35	U	
SILVER	0.07	U	
SODIUM	2000		
THALLIUM	0.38	U	
TIN	3.0	U	A
VANADIUM	0.60		
ZINC	12.8		

PROJ_NO: 0693

SDG: 3518 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-5F-0804	nsample	C03V-DUP04-0804	nsample	C03V-DUP05-0804
samp_date	8/10/2004	samp_date	8/10/2004	samp_date	8/10/2004
lab_id	WU2451-010	lab_id	WU2451-009	lab_id	WU2451-007
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	89.9	Pct_Solids	90.7	Pct_Solids	76.6
DUP_OF:		DUP_OF:	C03V-5F-0804	DUP_OF:	C03V-12NW-12-0804

Parameter	Result	Val Qual	Qual Code
ALUMINUM	48.5	U	A
ANTIMONY	0.20	U	
ARSENIC	0.34		
BARIUM	8.9		
BERYLLIUM	0.02	U	
CADMIUM	0.06		
CALCIUM	380000		
CHROMIUM	1.5		
COBALT	0.05	U	
COPPER	3.0		
IRON	96.2		
LEAD	7.8		
MAGNESIUM	838		
MANGANESE	1.6	J	G
MERCURY	0.02		
NICKEL	0.46		
POTASSIUM	55.2	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	1790		
THALLIUM	0.34	U	
TIN	2.2	U	A
VANADIUM	0.86		
ZINC	3.5		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	63.8	U	A
ANTIMONY	0.30	U	A
ARSENIC	0.44		
BARIUM	8.8		
BERYLLIUM	0.02	U	
CADMIUM	0.04		
CALCIUM	361000		
CHROMIUM	1.7		
COBALT	0.09		
COPPER	2.6		
IRON	132		
LEAD	8.6		
MAGNESIUM	1030		
MANGANESE	3.8	J	G
MERCURY	0.01		
NICKEL	0.50	U	A
POTASSIUM	63.0	U	A
SELENIUM	0.36	U	
SILVER	0.07	U	
SODIUM	1460		
THALLIUM	0.40	U	
TIN	2.5	U	A
VANADIUM	1.0		
ZINC	4.1		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	90.9	J	G
ANTIMONY	0.78	U	A
ARSENIC	0.87		
BARIUM	8.5		
BERYLLIUM	0.02	U	
CADMIUM	0.05		
CALCIUM	332000		
CHROMIUM	2.6		
COBALT	0.06	U	
COPPER	2.6		
IRON	206	J	G
LEAD	5.2		
MAGNESIUM	7040	J	G
MANGANESE	6.0	J	G
MERCURY	0.14	J	G
NICKEL	0.30	U	A
POTASSIUM	69.3	U	A
SELENIUM	0.36	U	
SILVER	0.07	U	
SODIUM	2100	J	G
THALLIUM	0.39	U	
TIN	3.1	U	A
VANADIUM	0.66		
ZINC	5.8		

PROJ_NO: 0693

SDG: 3518 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-DUP06-0804
samp_date	8/10/2004
lab_id	WU2451-008
qc_type	NM
units	MG/KG
Pct_Solids	85.6
DUP_OF:	C03V-12C-24-0804

Parameter	Result	Val Qual	Qual Code
ALUMINUM	494	J	G
ANTIMONY	1.2	U	A
ARSENIC	0.86	U	A
BARIUM	23.8		
BERYLLIUM	0.02	U	
CADMIUM	0.09		
CALCIUM	258000		
CHROMIUM	2.2		
COBALT	0.29		
COPPER	20.6	J	G
IRON	1670	J	G
LEAD	120		
MAGNESIUM	2620	J	G
MANGANESE	37.2	J	G
MERCURY	0.24		
NICKEL	0.87		
POTASSIUM	81.2	U	A
SELENIUM	0.27	U	
SILVER	0.05	U	
SODIUM	1120		
THALLIUM	0.29	U	
TIN	4.7	U	A
VANADIUM	1.4		
ZINC	62.1		

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-12C-06-0804

Matrix: SOIL **SDG Name:** CTO351-8

Percent Solids: 95.4 **Lab Sample ID:** WU2451-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	688			P	1	24	1.46
7440-36-0	ANTIMONY, TOTAL	0.66			P	1	0.64	0.19
7440-38-2	ARSENIC, TOTAL	1.1			P	1	0.64	0.24
7440-39-3	BARIUM, TOTAL	7.9			P	1	0.40	0.01
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.12	B		P	1	0.80	0.02
7440-70-2	CALCIUM, TOTAL	214000			P	10	40	2.50
7440-47-3	CHROMIUM, TOTAL	7.5			P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.40	B		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	7.0			P	1	2.0	0.07
7439-89-6	IRON, TOTAL	2670			P	1	8.0	0.86
7439-92-1	LEAD, TOTAL	61.6		N	P	1	0.40	0.14
7439-95-4	MAGNESIUM, TOTAL	1780			P	1	4.0	0.60
7439-96-5	MANGANESE, TOTAL	39.7		N	P	1	0.40	0.01
7439-97-6	MERCURY, TOTAL	0.01	B		CV	1	0.028	0.01
7440-02-0	NICKEL, TOTAL	1.7	B		P	1	3.2	0.07
7440-09-7	POTASSIUM, TOTAL	151		N*	P	1	80	19.04
7782-49-2	SELENIUM, TOTAL	0.30	U		P	1	0.80	0.30
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	254			P	1	80	1.53
7440-28-0	THALLIUM, TOTAL	0.33	U		P	1	1.2	0.33
7440-31-5	TIN, TOTAL	2.4	B		P	1	8.0	0.14
7440-62-2	VANADIUM, TOTAL	5.2			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	20.0			P	1	2.0	0.02

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:** C03V-12C-12-0804

Matrix: SOIL **SDG Name:** CTO351-8

Percent Solids: 93.9 **Lab Sample ID:** WU2451-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	719			P	1	28	1.69
7440-36-0	ANTIMONY, TOTAL	0.53	B		P	1	0.74	0.22
7440-38-2	ARSENIC, TOTAL	0.94			P	1	0.74	0.28
7440-39-3	BARIUM, TOTAL	6.3			P	1	0.46	0.02
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.46	0.02
7440-43-9	CADMIUM, TOTAL	0.07	B		P	1	0.92	0.03
7440-70-2	CALCIUM, TOTAL	218000			P	10	46	2.90
7440-47-3	CHROMIUM, TOTAL	5.1			P	1	1.4	0.07
7440-48-4	COBALT, TOTAL	0.29	B		P	1	2.8	0.06
7440-50-8	COPPER, TOTAL	2.3	B		P	1	2.3	0.08
7439-89-6	IRON, TOTAL	692			P	1	9.2	0.99
7439-92-1	LEAD, TOTAL	10.5		N	P	1	0.46	0.16
7439-95-4	MAGNESIUM, TOTAL	1800			P	1	4.6	0.70
7439-96-5	MANGANESE, TOTAL	24.0		N	P	1	0.46	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.025	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.7	0.08
7440-09-7	POTASSIUM, TOTAL	150		N*	P	1	92	22.03
7782-49-2	SELENIUM, TOTAL	0.34	U		P	1	0.92	0.34
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.4	0.06
7440-23-5	SODIUM, TOTAL	227			P	1	92	1.77
7440-28-0	THALLIUM, TOTAL	0.41	B		P	1	1.4	0.38
7440-31-5	TIN, TOTAL	2.4	B		P	1	9.2	0.17
7440-62-2	VANADIUM, TOTAL	5.2			P	1	2.3	0.07
7440-66-6	ZINC, TOTAL	3.8			P	1	2.3	0.02

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:** C03V-12C-24-0804

Matrix: SOIL **SDG Name:** CTO351-8

Percent Solids: 83.1 **Lab Sample ID:** WU2451-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	1030			P	1	28	1.68
7440-36-0	ANTIMONY, TOTAL	1.8			P	1	0.73	0.21
7440-38-2	ARSENIC, TOTAL	1.5			P	1	0.73	0.28
7440-39-3	BARIUM, TOTAL	38.5			P	1	0.46	0.02
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.46	0.02
7440-43-9	CADMIUM, TOTAL	0.13	B		P	1	0.92	0.03
7440-70-2	CALCIUM, TOTAL	314000			P	10	46	2.87
7440-47-3	CHROMIUM, TOTAL	3.5			P	1	1.4	0.07
7440-48-4	COBALT, TOTAL	0.40	B		P	1	2.8	0.06
7440-50-8	COPPER, TOTAL	56.6			P	1	2.3	0.08
7439-89-6	IRON, TOTAL	3350			P	1	9.2	0.98
7439-92-1	LEAD, TOTAL	98.2		N	P	1	0.46	0.16
7439-95-4	MAGNESIUM, TOTAL	4450			P	1	4.6	0.69
7439-96-5	MANGANESE, TOTAL	68.7		N	P	1	0.46	0.01
7439-97-6	MERCURY, TOTAL	0.28			CV	1	0.039	0.01
7440-02-0	NICKEL, TOTAL	1.6	B		P	1	3.7	0.08
7440-09-7	POTASSIUM, TOTAL	161		N*	P	1	92	21.85
7782-49-2	SELENIUM, TOTAL	0.34	U		P	1	0.92	0.34
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.4	0.06
7440-23-5	SODIUM, TOTAL	1560			P	1	92	1.75
7440-28-0	THALLIUM, TOTAL	0.38	U		P	1	1.4	0.38
7440-31-5	TIN, TOTAL	5.8	B		P	1	9.2	0.16
7440-62-2	VANADIUM, TOTAL	2.2	B		P	1	2.3	0.07
7440-66-6	ZINC, TOTAL	71.4			P	1	2.3	0.02

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:** C03V-12NW-06-0804

Matrix: SOIL **SDG Name:** CTO351-8

Percent Solids: 95.3 **Lab Sample ID:** WU2451-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	814			P	1	21	1.26
7440-36-0	ANTIMONY, TOTAL	0.39	B		P	1	0.55	0.16
7440-38-2	ARSENIC, TOTAL	0.79			P	1	0.55	0.21
7440-39-3	BARIUM, TOTAL	6.8			P	1	0.34	0.01
7440-41-7	BERYLLIUM, TOTAL	0.07	B		P	1	0.34	0.02
7440-43-9	CADMIUM, TOTAL	0.09	B		P	1	0.69	0.02
7440-70-2	CALCIUM, TOTAL	224000			P	10	34	2.16
7440-47-3	CHROMIUM, TOTAL	5.7			P	1	1.0	0.06
7440-48-4	COBALT, TOTAL	0.26	B		P	1	2.1	0.04
7440-50-8	COPPER, TOTAL	3.3			P	1	1.7	0.06
7439-89-6	IRON, TOTAL	715			P	1	6.9	0.74
7439-92-1	LEAD, TOTAL	29.5		N	P	1	0.34	0.12
7439-95-4	MAGNESIUM, TOTAL	1920			P	1	3.4	0.52
7439-96-5	MANGANESE, TOTAL	25.2		N	P	1	0.34	0.01
7439-97-6	MERCURY, TOTAL	0.01	B		CV	1	0.026	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	2.8	0.06
7440-09-7	POTASSIUM, TOTAL	100		N*	P	1	69	16.43
7782-49-2	SELENIUM, TOTAL	0.26	U		P	1	0.69	0.26
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.0	0.05
7440-23-5	SODIUM, TOTAL	225			P	1	69	1.32
7440-28-0	THALLIUM, TOTAL	0.28	U		P	1	1.0	0.28
7440-31-5	TIN, TOTAL	1.8	B		P	1	6.9	0.12
7440-62-2	VANADIUM, TOTAL	5.5			P	1	1.7	0.05
7440-66-6	ZINC, TOTAL	6.6			P	1	1.7	0.02

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:** C03V-12NW-12-0804

Matrix: SOIL **SDG Name:** CTO351-8

Percent Solids: 91.3 **Lab Sample ID:** WU2451-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	737			P	1	24	1.45
7440-36-0	ANTIMONY, TOTAL	0.32	B		P	1	0.64	0.19
7440-38-2	ARSENIC, TOTAL	0.62	B		P	1	0.64	0.24
7440-39-3	BARIUM, TOTAL	5.7			P	1	0.40	0.01
7440-41-7	BERYLLIUM, TOTAL	0.05	B		P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.04	B		P	1	0.79	0.02
7440-70-2	CALCIUM, TOTAL	214000			P	10	40	2.48
7440-47-3	CHROMIUM, TOTAL	5.1			P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.20	B		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	1.5	B		P	1	2.0	0.07
7439-89-6	IRON, TOTAL	550			P	1	7.9	0.85
7439-92-1	LEAD, TOTAL	3.5		N	P	1	0.40	0.13
7439-95-4	MAGNESIUM, TOTAL	1780			P	1	4.0	0.60
7439-96-5	MANGANESE, TOTAL	23.4		N	P	1	0.40	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	0.98	B		P	1	3.2	0.07
7440-09-7	POTASSIUM, TOTAL	92.3		N*	P	1	79	18.89
7782-49-2	SELENIUM, TOTAL	0.29	U		P	1	0.79	0.29
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	195			P	1	79	1.52
7440-28-0	THALLIUM, TOTAL	0.32	U		P	1	1.2	0.32
7440-31-5	TIN, TOTAL	2.0	B		P	1	7.9	0.14
7440-62-2	VANADIUM, TOTAL	5.1			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	1.4	B		P	1	2.0	0.02

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:** C03V-12NW-24-0804

Matrix: SOIL **SDG Name:** CTO351-8

Percent Solids: 79.6 **Lab Sample ID:** WU2451-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	95.7			P	1	28	1.70
7440-36-0	ANTIMONY, TOTAL	0.62	B		P	1	0.74	0.22
7440-38-2	ARSENIC, TOTAL	0.75			P	1	0.74	0.28
7440-39-3	BARIUM, TOTAL	9.2			P	1	0.46	0.02
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.46	0.02
7440-43-9	CADMIUM, TOTAL	0.04	B		P	1	0.93	0.03
7440-70-2	CALCIUM, TOTAL	306000			P	10	46	2.91
7440-47-3	CHROMIUM, TOTAL	2.5			P	1	1.4	0.07
7440-48-4	COBALT, TOTAL	0.06	U		P	1	2.8	0.06
7440-50-8	COPPER, TOTAL	2.8			P	1	2.3	0.08
7439-89-6	IRON, TOTAL	189			P	1	9.3	1.00
7439-92-1	LEAD, TOTAL	10.1		N	P	1	0.46	0.16
7439-95-4	MAGNESIUM, TOTAL	6670			P	1	4.6	0.70
7439-96-5	MANGANESE, TOTAL	5.7		N	P	1	0.46	0.01
7439-97-6	MERCURY, TOTAL	0.1			CV	1	0.033	0.01
7440-02-0	NICKEL, TOTAL	0.27	B		P	1	3.7	0.08
7440-09-7	POTASSIUM, TOTAL	66.8	B	N*	P	1	93	22.15
7782-49-2	SELENIUM, TOTAL	0.35	U		P	1	0.93	0.35
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.4	0.07
7440-23-5	SODIUM, TOTAL	2000			P	1	93	1.78
7440-28-0	THALLIUM, TOTAL	0.38	U		P	1	1.4	0.38
7440-31-5	TIN, TOTAL	3.0	B		P	1	9.3	0.17
7440-62-2	VANADIUM, TOTAL	0.60	B		P	1	2.3	0.07
7440-66-6	ZINC, TOTAL	12.8			P	1	2.3	0.02

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:** C03V-5F-0804

Matrix: SOIL **SDG Name:** CTO351-8

Percent Solids: 89.9 **Lab Sample ID:** WU2451-010

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	48.5			P	1	25	1.54
7440-36-0	ANTIMONY, TOTAL	0.20	U		P	1	0.67	0.20
7440-38-2	ARSENIC, TOTAL	0.34	B		P	1	0.67	0.26
7440-39-3	BARIUM, TOTAL	8.9			P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.06	B		P	1	0.84	0.03
7440-70-2	CALCIUM, TOTAL	380000			P	10	42	2.64
7440-47-3	CHROMIUM, TOTAL	1.5			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.05	U		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	3.0			P	1	2.1	0.07
7439-89-6	IRON, TOTAL	96.2			P	1	8.4	0.90
7439-92-1	LEAD, TOTAL	7.8		N	P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	838			P	1	4.2	0.63
7439-96-5	MANGANESE, TOTAL	1.6		N	P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.02	B		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	0.46	B		P	1	3.4	0.07
7440-09-7	POTASSIUM, TOTAL	55.2	B	N*	P	1	84	20.05
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.84	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	1790			P	1	84	1.61
7440-28-0	THALLIUM, TOTAL	0.34	U		P	1	1.3	0.34
7440-31-5	TIN, TOTAL	2.2	B		P	1	8.4	0.15
7440-62-2	VANADIUM, TOTAL	0.86	B		P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	3.5			P	1	2.1	0.02

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:** C03V-DUP04-0804

Matrix: SOIL **SDG Name:** CTO351-8

Percent Solids: 90.7 **Lab Sample ID:** WU2451-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	63.8			P	1	29	1.79
7440-36-0	ANTIMONY, TOTAL	0.30	B		P	1	0.78	0.23
7440-38-2	ARSENIC, TOTAL	0.44	B		P	1	0.78	0.30
7440-39-3	BARIUM, TOTAL	8.8			P	1	0.49	0.02
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.49	0.02
7440-43-9	CADMIUM, TOTAL	0.04	B		P	1	0.98	0.03
7440-70-2	CALCIUM, TOTAL	361000			P	10	49	3.05
7440-47-3	CHROMIUM, TOTAL	1.7			P	1	1.5	0.08
7440-48-4	COBALT, TOTAL	0.09	B		P	1	2.9	0.06
7440-50-8	COPPER, TOTAL	2.6			P	1	2.4	0.08
7439-89-6	IRON, TOTAL	132			P	1	9.8	1.04
7439-92-1	LEAD, TOTAL	8.6		N	P	1	0.49	0.17
7439-95-4	MAGNESIUM, TOTAL	1030			P	1	4.9	0.73
7439-96-5	MANGANESE, TOTAL	3.8		N	P	1	0.49	0.01
7439-97-6	MERCURY, TOTAL	0.01	B		CV	1	0.029	0.01
7440-02-0	NICKEL, TOTAL	0.50	B		P	1	3.9	0.08
7440-09-7	POTASSIUM, TOTAL	63.0	B	N*	P	1	98	23.22
7782-49-2	SELENIUM, TOTAL	0.36	U		P	1	0.98	0.36
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.5	0.07
7440-23-5	SODIUM, TOTAL	1460			P	1	98	1.86
7440-28-0	THALLIUM, TOTAL	0.40	U		P	1	1.5	0.40
7440-31-5	TIN, TOTAL	2.5	B		P	1	9.8	0.17
7440-62-2	VANADIUM, TOTAL	1.0	B		P	1	2.4	0.07
7440-66-6	ZINC, TOTAL	4.1			P	1	2.4	0.02

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:** C03V-DUP05-0804

Matrix: SOIL **SDG Name:** CTO351-8

Percent Solids: 76.6 **Lab Sample ID:** WU2451-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	90.9			P	1	29	1.76
7440-36-0	ANTIMONY, TOTAL	0.78			P	1	0.77	0.22
7440-38-2	ARSENIC, TOTAL	0.87			P	1	0.77	0.29
7440-39-3	BARIUM, TOTAL	8.5			P	1	0.48	0.02
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.48	0.02
7440-43-9	CADMIUM, TOTAL	0.05	B		P	1	0.96	0.03
7440-70-2	CALCIUM, TOTAL	332000			P	10	48	3.01
7440-47-3	CHROMIUM, TOTAL	2.6			P	1	1.4	0.08
7440-48-4	COBALT, TOTAL	0.06	U		P	1	2.9	0.06
7440-50-8	COPPER, TOTAL	2.6			P	1	2.4	0.08
7439-89-6	IRON, TOTAL	206			P	1	9.6	1.03
7439-92-1	LEAD, TOTAL	5.2		N	P	1	0.48	0.16
7439-95-4	MAGNESIUM, TOTAL	7040			P	1	4.8	0.72
7439-96-5	MANGANESE, TOTAL	6.0		N	P	1	0.48	0.01
7439-97-6	MERCURY, TOTAL	0.14			CV	1	0.038	0.01
7440-02-0	NICKEL, TOTAL	0.30	B		P	1	3.8	0.08
7440-09-7	POTASSIUM, TOTAL	69.3	B	N*	P	1	96	22.86
7782-49-2	SELENIUM, TOTAL	0.36	U		P	1	0.96	0.36
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.4	0.07
7440-23-5	SODIUM, TOTAL	2100			P	1	96	1.83
7440-28-0	THALLIUM, TOTAL	0.39	U		P	1	1.4	0.39
7440-31-5	TIN, TOTAL	3.1	B		P	1	9.6	0.17
7440-62-2	VANADIUM, TOTAL	0.66	B		P	1	2.4	0.07
7440-66-6	ZINC, TOTAL	5.8			P	1	2.4	0.02

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:** C03V-DUP06-0804

Matrix: SOIL **SDG Name:** CTO351-8

Percent Solids: 85.6 **Lab Sample ID:** WU2451-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	494			P	1	21	1.31
7440-36-0	ANTIMONY, TOTAL	1.2			P	1	0.57	0.17
7440-38-2	ARSENIC, TOTAL	0.86			P	1	0.57	0.22
7440-39-3	BARIUM, TOTAL	23.8			P	1	0.36	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.36	0.02
7440-43-9	CADMIUM, TOTAL	0.09	B		P	1	0.72	0.02
7440-70-2	CALCIUM, TOTAL	258000			P	10	36	2.24
7440-47-3	CHROMIUM, TOTAL	2.2			P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.29	B		P	1	2.1	0.05
7440-50-8	COPPER, TOTAL	20.6			P	1	1.8	0.06
7439-89-6	IRON, TOTAL	1670			P	1	7.2	0.77
7439-92-1	LEAD, TOTAL	120		N	P	1	0.36	0.12
7439-95-4	MAGNESIUM, TOTAL	2620			P	1	3.6	0.54
7439-96-5	MANGANESE, TOTAL	37.2		N	P	1	0.36	0.01
7439-97-6	MERCURY, TOTAL	0.24			CV	1	0.033	0.01
7440-02-0	NICKEL, TOTAL	0.87	B		P	1	2.9	0.06
7440-09-7	POTASSIUM, TOTAL	81.2		N*	P	1	72	17.05
7782-49-2	SELENIUM, TOTAL	0.27	U		P	1	0.72	0.27
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.1	0.05
7440-23-5	SODIUM, TOTAL	1120			P	1	72	1.37
7440-28-0	THALLIUM, TOTAL	0.29	U		P	1	1.1	0.29
7440-31-5	TIN, TOTAL	4.7	B		P	1	7.2	0.13
7440-62-2	VANADIUM, TOTAL	1.4	B		P	1	1.8	0.05
7440-66-6	ZINC, TOTAL	62.1			P	1	1.8	0.02

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

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

A

Client: Tetra Tech NUS
Contact: Chuck Bryan
Phone #: 649-7963 (803) ~~29~~
Fax #: 649-8454 (803)
Address: 900 Trail Ridge Rd
City: Aiken
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): Shonda C. Sumpter
Copies To:

LAB USE ONLY
WORK ORDER #: W2451
KATAHDIN PROJECT NUMBER:
REMARKS:

SHIPPING INFO: ☒ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C: ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL Metals	Filt. ☐Y ☐N TCL PCB's	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-12C-06-0804	10Aug04/0925	SO	1	X	X								
	C03V-12C-12-0804	/0930												
	C03V-12C-24-0804	/0935												
	C03V-12NW-06-0804	/~~0920~~ 1130												
	C03V-12NW-12-0804	/1130												
	C03V-12NW-24-0804	/1130												
	C03V-DUP05-0804	/—												
	C03V-DUP06-0804	/—												
	C03V-DUP04-0804	/—												
	C03V-5F-0804	/1110												
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS
24 hour turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10 Aug 04 2:48PM	[signature]	8/11/04 0830		
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.

HOLDTIME

SDG 3518

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-12NW-24-0804	WU2451-006R	NM	08/10/2004	08/12/2004	08/13/2004	2	1	3
HG	MG/KG	C03V-12C-06-0804	WU2451-001R	NM	08/10/2004	08/12/2004	08/13/2004	2	1	3
HG	MG/KG	C03V-DUP06-0804	WU2451-008R	NM	08/10/2004	08/12/2004	08/13/2004	2	1	3
HG	MG/KG	C03V-DUP05-0804	WU2451-007R	NM	08/10/2004	08/12/2004	08/13/2004	2	1	3
HG	MG/KG	C03V-5F-0804	WU2451-010R	NM	08/10/2004	08/12/2004	08/13/2004	2	1	3
HG	MG/KG	C03V-12NW-12-0804	WU2451-005R	NM	08/10/2004	08/12/2004	08/13/2004	2	1	3
HG	MG/KG	C03V-12NW-06-0804	WU2451-004R	NM	08/10/2004	08/12/2004	08/13/2004	2	1	3
HG	MG/KG	C03V-12C-24-0804	WU2451-003R	NM	08/10/2004	08/12/2004	08/13/2004	2	1	3
HG	MG/KG	C03V-12C-12-0804	WU2451-002R	NM	08/10/2004	08/12/2004	08/13/2004	2	1	3
HG	MG/KG	C03V-DUP04-0804	WU2451-009R	NM	08/10/2004	08/12/2004	08/13/2004	2	1	3
M	MG/KG	C03V-12C-06-0804	WU2451-001	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
M	MG/KG	C03V-DUP05-0804	WU2451-007	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
M	MG/KG	C03V-DUP04-0804	WU2451-009	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
M	MG/KG	C03V-5F-0804	WU2451-010	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
M	MG/KG	C03V-12NW-24-0804	WU2451-006	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-12NW-12-0804	WU2451-005	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
M	MG/KG	C03V-12NW-06-0804	WU2451-004	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
M	MG/KG	C03V-12C-12-0804	WU2451-002	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
M	MG/KG	C03V-DUP06-0804	WU2451-008	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
M	MG/KG	C03V-12C-24-0804	WU2451-003	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-DUP04-0804	WU2451-9	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-12C-06-0804	WU2451-1	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-5F-0804	WU2451-10	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-12NW-24-0804	WU2451-6	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-DUP06-0804	WU2451-8	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-12NW-12-0804	WU2451-5	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-DUP05-0804	WU2451-7	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-12NW-06-0804	WU2451-4	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-12C-24-0804	WU2451-3	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-12C-12-0804	WU2451-2	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
PCB	%	C03V-12NW-24-0804	WU2451-6	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-12C-12-0804	WU2451-2	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-12C-24-0804	WU2451-3	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-12NW-12-0804	WU2451-5	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-5F-0804	WU2451-10	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-DUP04-0804	WU2451-9DL	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
PCB	%	C03V-DUP05-0804	WU2451-7	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-DUP06-0804	WU2451-8	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-12C-06-0804	WU2451-1	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	%	C03V-12NW-06-0804	WU2451-4	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12C-06-0804	WU2451-1	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-DUP06-0804	WU2451-8	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-DUP05-0804	WU2451-7	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-DUP04-0804	WU2451-9DL	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
PCB	UG/KG	C03V-5F-0804	WU2451-10	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12NW-24-0804	WU2451-6	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12NW-12-0804	WU2451-5	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12NW-06-0804	WU2451-4	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12C-12-0804	WU2451-2	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1
PCB	UG/KG	C03V-12C-24-0804	WU2451-3	NM	08/10/2004	08/11/2004	08/11/2004	1	0	1

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST; SDG: CTO351-8
WU2451
TASK ORDER MANAGER: CHARLES BRYAN

Sample Receipt

The following samples were received on August 11, 2004 and were logged in under Katahdin Analytical Services work order number WU2451 for a hardcopy due date of September 6, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2451-1	C03V-12C-06-0804
WU2451-2	C03V-12C-12-0804
WU2451-3	C03V-12C-24-0804
WU2451-4	C03V-12NW-06-0804
WU2451-5	C03V-12NW-12-0804
WU2451-6	C03V-12NW-24-0804
WU2451-7	C03V-DUP05-0804
WU2451-8	C03V-DUP06-0804
WU2451-9	C03V-DUP04-0804
WU2451-10	C03V-5F-0804

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

The samples of SDG CTO351-8 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

Samples WU2451-3 and 8 had high recoveries for the extraction surrogate DCB on channel A, which were outside of the laboratory established acceptance limits. Since the recoveries for DCB were within the acceptance limits on channel B and TCX on both channels, the samples were not reanalyzed.

Sample WU2451-5 had a low recovery for the extraction surrogate TCX on channel A, which was outside of the laboratory established acceptance limits. Since the recovery for TCX was within the acceptance limits on channel B and DCB on both channels, the sample was not reanalyzed.

The calibration verification standards (CV) (files 6UH2177, 6UH2195 and 6UH2200) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

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

Metals Analysis

The samples of Katahdin SDG CTO351-8 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. WU2451-(1-10) were digested for ICP analysis on 08/11/04 (QC Batch UH11ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2451-1 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.081 mg/L, corresponding to a dry-weight concentration of 8.1 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of SDG CTO351-8 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2451-(1-10) were digested for mercury analysis on 08/12/04 (QC Batch UH12HGS0) in accordance with USEPA Method 7471A.

Mercury analyses of Katahdin SDG CTO351-8 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for lead (57.4%) and manganese (70.1%) in the matrix-spike aliquot of Katahdin Sample No. WU2451-1 are outside the laboratory's acceptance limits. The recoveries for lead (67.8%), manganese (58.5%), and potassium (132.9%) in the matrix-spike duplicate aliquot of Katahdin Sample No. WU2451-4 are outside the laboratory's acceptance limits. The recoveries for all other elements in these matrix-spiked aliquots 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).

The matrix-spike duplicate analysis of Katahdin Sample No. WU2451-1 for potassium (24.4% RPD) exceeds the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample Nos. WU2451-(1, 10) are within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for all analytes.

Wet Chemistry Analysis

The samples of SDG CTO351-8 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

María Crouch
08.25.04
María Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: CTO351-8 **SOW No.** SW846

Client Field ID	Lab Sample ID
C03V-12C-06-0804	WU2451-001
C03V-12C-06-0804	WU2451-001P
C03V-12C-06-0804	WU2451-001S
C03V-12C-12-0804	WU2451-002
C03V-12C-24-0804	WU2451-003
C03V-12NW-06-0804	WU2451-004
C03V-12NW-12-0804	WU2451-005
C03V-12NW-24-0804	WU2451-006
C03V-5F-0804	WU2451-010
C03V-DUP04-0804	WU2451-009
C03V-DUP05-0804	WU2451-007
C03V-DUP06-0804	WU2451-008

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: George Brewer Name: George Brewer

Date: 08/23/04 Title: Inorganic Dept. Mgr.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: ICV

File: AUH11A Aug 11, 2004 15:02

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19308.37	96.5
ANTIMONY	600.0	620.19	103.4
ARSENIC	600.0	640.40	106.7
BARIUM	500.0	498.24	99.6
BERYLLIUM	500.0	514.14	102.8
CADMIUM	1250.0	1296.55	103.7
CALCIUM	20000.0	21482.62	107.4
CHROMIUM	500.0	519.91	104.0
COBALT	500.0	516.93	103.4
COPPER	500.0	506.62	101.3
IRON	20000.0	21143.59	105.7
LEAD	550.0	581.20	105.7
MAGNESIUM	20000.0	21729.93	108.6
MANGANESE	500.0	519.26	103.9
NICKEL	1000.0	1053.32	105.3
SELENIUM	550.0	566.34	103.0
SILVER	200.0	204.38	102.2
THALLIUM	600.0	636.07	106.0
TIN	500.0	520.41	104.1
VANADIUM	500.0	509.19	101.8
ZINC	1000.0	1031.15	103.1

SAMPLE: CCV

File: AUH11A Aug 11, 2004 15:42

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48459.68	96.9
ANTIMONY	1000.0	1002.04	100.2
ARSENIC	1000.0	997.10	99.7
BARIUM	1000.0	1018.81	101.9
BERYLLIUM	1000.0	1008.18	100.8
CADMIUM	1000.0	1014.82	101.5
CALCIUM	50000.0	51364.10	102.7
CHROMIUM	1000.0	1000.80	100.1
COBALT	1000.0	1007.95	100.8
COPPER	1000.0	1003.62	100.4
IRON	20000.0	20093.71	100.5
LEAD	1000.0	1001.66	100.2
MAGNESIUM	50000.0	51129.93	102.3
MANGANESE	1000.0	992.16	99.2
NICKEL	1000.0	1018.96	101.9
SELENIUM	1000.0	972.68	97.3
SILVER	250.0	252.66	101.1
THALLIUM	1000.0	999.17	99.9
TIN	1000.0	1013.20	101.3
VANADIUM	1000.0	988.73	98.9
ZINC	1000.0	1013.75	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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: AUH11A Aug 11, 2004 17:09

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47293.29	94.6
ANTIMONY	1000.0	1033.60	103.4
ARSENIC	1000.0	1020.67	102.1
BARIUM	1000.0	1001.00	100.1
BERYLLIUM	1000.0	956.14	95.6
CADMIUM	1000.0	986.76	98.7
CALCIUM	50000.0	50621.38	101.2
CHROMIUM	1000.0	982.81	98.3
COBALT	1000.0	1013.41	101.3
COPPER	1000.0	1013.12	101.3
IRON	20000.0	19980.20	99.9
LEAD	1000.0	1025.82	102.6
MAGNESIUM	50000.0	50249.42	100.5
MANGANESE	1000.0	979.00	97.9
NICKEL	1000.0	1025.14	102.5
SELENIUM	1000.0	994.02	99.4
SILVER	250.0	256.65	102.7
THALLIUM	1000.0	1018.26	101.8
TIN	1000.0	1028.41	102.8
VANADIUM	1000.0	936.59	93.7
ZINC	1000.0	1012.77	101.3

SAMPLE: CCV

File: AUH11A Aug 11, 2004 18:22

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47535.56	95.1
ANTIMONY	1000.0	1024.63	102.5
ARSENIC	1000.0	1023.01	102.3
BARIUM	1000.0	996.92	99.7
BERYLLIUM	1000.0	959.36	95.9
CADMIUM	1000.0	981.10	98.1
CALCIUM	50000.0	50523.45	101.0
CHROMIUM	1000.0	989.15	98.9
COBALT	1000.0	1014.40	101.4
COPPER	1000.0	1013.32	101.3
IRON	20000.0	20070.81	100.4
LEAD	1000.0	1023.44	102.3
MAGNESIUM	50000.0	50582.00	101.2
MANGANESE	1000.0	987.95	98.8
NICKEL	1000.0	1022.44	102.2
SELENIUM	1000.0	991.36	99.1
SILVER	250.0	256.33	102.5
THALLIUM	1000.0	1013.73	101.4
TIN	1000.0	1028.83	102.9
VANADIUM	1000.0	944.13	94.4
ZINC	1000.0	1008.54	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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: AUH11A Aug 11, 2004 19:43

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47484.20	95.0
ANTIMONY	1000.0	1018.77	101.9
ARSENIC	1000.0	1015.70	101.6
BARIUM	1000.0	985.28	98.5
BERYLLIUM	1000.0	963.44	96.3
CADMIUM	1000.0	974.46	97.4
CALCIUM	50000.0	50548.54	101.1
CHROMIUM	1000.0	994.31	99.4
COBALT	1000.0	1011.88	101.2
COPPER	1000.0	1005.42	100.5
IRON	20000.0	20070.92	100.4
LEAD	1000.0	1022.68	102.3
MAGNESIUM	50000.0	50691.59	101.4
MANGANESE	1000.0	993.08	99.3
NICKEL	1000.0	1013.63	101.4
SELENIUM	1000.0	992.78	99.3
SILVER	250.0	254.37	101.7
THALLIUM	1000.0	1008.15	100.8
TIN	1000.0	1021.95	102.2
VANADIUM	1000.0	950.71	95.1
ZINC	1000.0	999.94	100.0

SAMPLE: CCV

File: AUH11A Aug 11, 2004 21:03

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47950.77	95.9
ANTIMONY	1000.0	1014.31	101.4
ARSENIC	1000.0	1007.35	100.7
BARIUM	1000.0	992.96	99.3
BERYLLIUM	1000.0	973.81	97.4
CADMIUM	1000.0	967.99	96.8
CALCIUM	50000.0	50418.22	100.8
CHROMIUM	1000.0	997.16	99.7
COBALT	1000.0	1007.34	100.7
COPPER	1000.0	1012.13	101.2
IRON	20000.0	20005.15	100.0
LEAD	1000.0	1016.79	101.7
MAGNESIUM	50000.0	50662.63	101.3
MANGANESE	1000.0	995.46	99.5
NICKEL	1000.0	1007.02	100.7
SELENIUM	1000.0	986.29	98.6
SILVER	250.0	255.02	102.0
THALLIUM	1000.0	1005.55	100.6
TIN	1000.0	1012.24	101.2
VANADIUM	1000.0	968.80	96.9
ZINC	1000.0	997.60	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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: AUH11A Aug 11, 2004 22:24

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49044.54	98.1
ANTIMONY	1000.0	1029.79	103.0
ARSENIC	1000.0	1029.00	102.9
BARIUM	1000.0	1002.83	100.3
BERYLLIUM	1000.0	990.28	99.0
CADMIUM	1000.0	977.40	97.7
CALCIUM	50000.0	51342.47	102.7
CHROMIUM	1000.0	1018.26	101.8
COBALT	1000.0	1029.32	102.9
COPPER	1000.0	1032.81	103.3
IRON	20000.0	20456.79	102.3
LEAD	1000.0	1034.41	103.4
MAGNESIUM	50000.0	51782.05	103.6
MANGANESE	1000.0	1019.70	102.0
NICKEL	1000.0	1025.48	102.5
SELENIUM	1000.0	1000.78	100.1
SILVER	250.0	260.07	104.0
THALLIUM	1000.0	1020.01	102.0
TIN	1000.0	1029.22	102.9
VANADIUM	1000.0	989.25	98.9
ZINC	1000.0	1010.34	101.0

SAMPLE: CCV

File: AUH11A Aug 11, 2004 23:44

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48041.69	96.1
ANTIMONY	1000.0	998.87	99.9
ARSENIC	1000.0	988.56	98.9
BARIUM	1000.0	978.12	97.8
BERYLLIUM	1000.0	973.48	97.3
CADMIUM	1000.0	947.93	94.8
CALCIUM	50000.0	50031.27	100.1
CHROMIUM	1000.0	993.36	99.3
COBALT	1000.0	994.77	99.5
COPPER	1000.0	1000.88	100.1
IRON	20000.0	19808.19	99.0
LEAD	1000.0	1003.45	100.3
MAGNESIUM	50000.0	50488.15	101.0
MANGANESE	1000.0	991.63	99.2
NICKEL	1000.0	989.22	98.9
SELENIUM	1000.0	970.67	97.1
SILVER	250.0	252.47	101.0
THALLIUM	1000.0	984.39	98.4
TIN	1000.0	990.64	99.1
VANADIUM	1000.0	977.43	97.7
ZINC	1000.0	975.81	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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: AUH11A Aug 12, 2004 0:51

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48733.98	97.5
ANTIMONY	1000.0	989.30	98.9
ARSENIC	1000.0	970.10	97.0
BARIUM	1000.0	992.44	99.2
BERYLLIUM	1000.0	985.98	98.6
CADMIUM	1000.0	945.57	94.6
CALCIUM	50000.0	49922.98	99.8
CHROMIUM	1000.0	995.00	99.5
COBALT	1000.0	986.21	98.6
COPPER	1000.0	1006.44	100.6
IRON	20000.0	19742.40	98.7
LEAD	1000.0	989.34	98.9
MAGNESIUM	50000.0	50490.76	101.0
MANGANESE	1000.0	994.97	99.5
NICKEL	1000.0	977.72	97.8
SELENIUM	1000.0	968.29	96.8
SILVER	250.0	252.01	100.8
THALLIUM	1000.0	981.05	98.1
TIN	1000.0	969.89	97.0
VANADIUM	1000.0	996.19	99.6
ZINC	1000.0	972.46	97.2

SAMPLE: CCV

File: AUH11A Aug 12, 2004 2:12

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49061.80	98.1
ANTIMONY	1000.0	976.03	97.6
ARSENIC	1000.0	958.36	95.8
BARIUM	1000.0	998.50	99.9
BERYLLIUM	1000.0	991.91	99.2
CADMIUM	1000.0	941.51	94.2
CALCIUM	50000.0	49399.71	98.8
CHROMIUM	1000.0	990.45	99.0
COBALT	1000.0	973.56	97.4
COPPER	1000.0	1003.18	100.3
IRON	20000.0	19624.20	98.1
LEAD	1000.0	972.16	97.2
MAGNESIUM	50000.0	50340.91	100.7
MANGANESE	1000.0	989.06	98.9
NICKEL	1000.0	966.69	96.7
SELENIUM	1000.0	951.43	95.1
SILVER	250.0	249.54	99.8
THALLIUM	1000.0	963.56	96.4
TIN	1000.0	950.96	95.1
VANADIUM	1000.0	1005.42	100.5
ZINC	1000.0	964.18	96.4

(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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: AUH11A Aug 12, 2004 3:32

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49165.80	98.3
ANTIMONY	1000.0	967.05	96.7
ARSENIC	1000.0	955.15	95.5
BARIUM	1000.0	998.12	99.8
BERYLLIUM	1000.0	1001.39	100.1
CADMIUM	1000.0	948.23	94.8
CALCIUM	50000.0	49594.27	99.2
CHROMIUM	1000.0	996.70	99.7
COBALT	1000.0	975.30	97.5
COPPER	1000.0	998.24	99.8
IRON	20000.0	19664.22	98.3
LEAD	1000.0	971.20	97.1
MAGNESIUM	50000.0	50594.77	101.2
MANGANESE	1000.0	995.39	99.5
NICKEL	1000.0	968.94	96.9
SELENIUM	1000.0	945.06	94.5
SILVER	250.0	248.17	99.3
THALLIUM	1000.0	966.87	96.7
TIN	1000.0	948.11	94.8
VANADIUM	1000.0	1016.25	101.6
ZINC	1000.0	962.84	96.3

SAMPLE: CCV

File: AUH11A Aug 12, 2004 4:53

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49603.68	99.2
ANTIMONY	1000.0	958.82	95.9
ARSENIC	1000.0	947.87	94.8
BARIUM	1000.0	1004.17	100.4
BERYLLIUM	1000.0	1016.57	101.7
CADMIUM	1000.0	956.72	95.7
CALCIUM	50000.0	49963.81	99.9
CHROMIUM	1000.0	1005.84	100.6
COBALT	1000.0	976.88	97.7
COPPER	1000.0	998.61	99.9
IRON	20000.0	19726.18	98.6
LEAD	1000.0	971.77	97.2
MAGNESIUM	50000.0	50956.95	101.9
MANGANESE	1000.0	1006.34	100.6
NICKEL	1000.0	971.03	97.1
SELENIUM	1000.0	950.14	95.0
SILVER	250.0	247.57	99.0
THALLIUM	1000.0	964.75	96.5
TIN	1000.0	935.94	93.6
VANADIUM	1000.0	1032.89	103.3
ZINC	1000.0	965.93	96.6

(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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: AUH11A Aug 12, 2004 6:00

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50297.30	100.6
ANTIMONY	1000.0	946.77	94.7
ARSENIC	1000.0	937.64	93.8
BARIUM	1000.0	1014.59	101.5
BERYLLIUM	1000.0	1044.74	104.5
CADMIUM	1000.0	983.39	98.3
CALCIUM	50000.0	50878.84	101.8
CHROMIUM	1000.0	1020.35	102.0
COBALT	1000.0	978.78	97.9
COPPER	1000.0	991.88	99.2
IRON	20000.0	19968.34	99.8
LEAD	1000.0	967.98	96.8
MAGNESIUM	50000.0	51910.88	103.8
MANGANESE	1000.0	1021.52	102.2
NICKEL	1000.0	973.33	97.3
SELENIUM	1000.0	953.12	95.3
SILVER	250.0	245.07	98.0
THALLIUM	1000.0	964.35	96.4
TIN	1000.0	917.96	91.8
VANADIUM	1000.0	1055.66	105.6
ZINC	1000.0	974.09	97.4

SAMPLE: CCV

File: AUH11A Aug 12, 2004 6:34

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50391.19	100.8
ANTIMONY	1000.0	927.78	92.8
ARSENIC	1000.0	910.47	91.0
BARIUM	1000.0	1019.28	101.9
BERYLLIUM	1000.0	1048.76	104.9
CADMIUM	1000.0	984.29	98.4
CALCIUM	50000.0	50455.01	100.9
CHROMIUM	1000.0	1014.78	101.5
COBALT	1000.0	962.06	96.2
COPPER	1000.0	984.97	98.5
IRON	20000.0	19792.41	99.0
LEAD	1000.0	945.04	94.5
MAGNESIUM	50000.0	51519.42	103.0
MANGANESE	1000.0	1017.40	101.7
NICKEL	1000.0	961.32	96.1
SELENIUM	1000.0	941.15	94.1
SILVER	250.0	243.05	97.2
THALLIUM	1000.0	951.92	95.2
TIN	1000.0	885.07	88.5 *
VANADIUM	1000.0	1061.53	106.2
ZINC	1000.0	967.98	96.8

OK
emf
8/31/04

(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:** CTO351-8

Concentration Units: ug/L

SAMPLE: ICV

File: BUH11A Aug 11, 2004 16:46

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20349.03	101.7
CALCIUM	20000.0	19924.96	99.6
IRON	20000.0	20925.41	104.6
MAGNESIUM	20000.0	20127.04	100.6
POTASSIUM	20000.0	20820.93	104.1
SODIUM	20000.0	20851.65	104.3

SAMPLE: CCV

File: BUH11A Aug 11, 2004 17:20

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50798.74	101.6
CALCIUM	50000.0	50576.38	101.2
IRON	20000.0	20655.25	103.3
MAGNESIUM	50000.0	50691.88	101.4
POTASSIUM	50000.0	51978.99	104.0
SODIUM	50000.0	51776.82	103.6

(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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: BUH11A Aug 11, 2004 18:28

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50508.88	101.0
CALCIUM	50000.0	51532.71	103.1
IRON	20000.0	20813.47	104.1
MAGNESIUM	50000.0	50541.59	101.1
POTASSIUM	50000.0	48974.42	97.9
SODIUM	50000.0	48325.34	96.7

SAMPLE: CCV

File: BUH11A Aug 11, 2004 19:35

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51315.69	102.6
CALCIUM	50000.0	50252.13	100.5
IRON	20000.0	20651.39	103.3
MAGNESIUM	50000.0	50737.22	101.5
POTASSIUM	50000.0	51740.57	103.5
SODIUM	50000.0	52723.70	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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: BUH11A Aug 11, 2004 20:43

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51145.30	102.3
CALCIUM	50000.0	49801.17	99.6
IRON	20000.0	20586.17	102.9
MAGNESIUM	50000.0	50589.73	101.2
POTASSIUM	50000.0	51493.66	103.0
SODIUM	50000.0	52283.36	104.6

SAMPLE: CCV

File: BUH11A Aug 11, 2004 21:50

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50719.94	101.4
CALCIUM	50000.0	51317.18	102.6
IRON	20000.0	20760.67	103.8
MAGNESIUM	50000.0	50444.10	100.9
POTASSIUM	50000.0	49823.08	99.6
SODIUM	50000.0	49423.09	98.8

(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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: BUH11A Aug 11, 2004 22:58

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51366.43	102.7
CALCIUM	50000.0	50792.03	101.6
IRON	20000.0	20805.14	104.0
MAGNESIUM	50000.0	50857.37	101.7
POTASSIUM	50000.0	50329.05	100.7
SODIUM	50000.0	51196.44	102.4

SAMPLE: CCV

File: BUH11A Aug 12, 2004 0:06

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50955.98	101.9
CALCIUM	50000.0	50770.16	101.5
IRON	20000.0	20809.89	104.0
MAGNESIUM	50000.0	50630.24	101.3
POTASSIUM	50000.0	49840.01	99.7
SODIUM	50000.0	50285.23	100.6

(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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: BUH11A Aug 12, 2004 1:14

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51434.89	102.9
CALCIUM	50000.0	50704.23	101.4
IRON	20000.0	20818.68	104.1
MAGNESIUM	50000.0	50881.91	101.8
POTASSIUM	50000.0	51518.68	103.0
SODIUM	50000.0	51564.96	103.1

SAMPLE: CCV

File: BUH11A Aug 12, 2004 2:21

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51602.53	103.2
CALCIUM	50000.0	50288.14	100.6
IRON	20000.0	20947.83	104.7
MAGNESIUM	50000.0	51174.07	102.3
POTASSIUM	50000.0	51086.77	102.2
SODIUM	50000.0	51187.50	102.4

(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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: BUH11A Aug 12, 2004 3:29

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51557.06	103.1
CALCIUM	50000.0	49527.52	99.1
IRON	20000.0	20933.76	104.7
MAGNESIUM	50000.0	51228.70	102.5
POTASSIUM	50000.0	51554.53	103.1
SODIUM	50000.0	52111.22	104.2

SAMPLE: CCV

File: BUH11A Aug 12, 2004 4:14

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51040.15	102.1
CALCIUM	50000.0	48750.12	97.5
IRON	20000.0	20631.21	103.2
MAGNESIUM	50000.0	50447.16	100.9
POTASSIUM	50000.0	51136.59	102.3
SODIUM	50000.0	52058.94	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:** CTO351-8

Concentration Units: ug/L

SAMPLE: ICV

File: HUH13D Aug 13, 2004 17:02

Analyte	True	Found	%R (1)
MERCURY	6.0	6.20	103.3

SAMPLE: CCV

File: HUH13D Aug 13, 2004 17:27

Analyte	True	Found	%R (1)
MERCURY	5.0	5.13	102.6

(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:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCV

File: HUH13D Aug 13, 2004 17:53

Analyte	True	Found	%R (1)
MERCURY	5.0	5.05	101.0

SAMPLE: CCV

File: HUH13D Aug 13, 2004 18:01

Analyte	True	Found	%R (1)
MERCURY	5.0	5.10	102.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: ICB

File: AUH11A Aug 11, 2004 15:09

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-4.90	B
CHROMIUM	-0.88	B
COBALT	0.64	U
COPPER	0.86	U
IRON	-16.39	B
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	-0.99	B
THALLIUM	-4.16	B
TIN	-3.28	B
VANADIUM	-0.83	B
ZINC	0.25	U

SAMPLE: CCB

File: AUH11A Aug 11, 2004 15:49

Analyte	Result	C
ALUMINUM	31.13	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-7.46	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-1.00	B
IRON	-19.20	B
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	-0.74	B
THALLIUM	4.09	U
TIN	-2.73	B
VANADIUM	-0.91	B
ZINC	0.25	U

SAMPLE: CCB

File: AUH11A Aug 11, 2004 17:15

Analyte	Result	C
ALUMINUM	151.90	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.28	B
CADMIUM	0.30	U
CALCIUM	3.13	U
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-2.56	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	21.03	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	-1.06	B
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	-0.99	B
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCB

File: AUH11A Aug 11, 2004 18:29

Analyte	Result	C
ALUMINUM	141.73	B
ANTIMONY	3.08	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.57	B
CADMIUM	-0.30	B
CALCIUM	-5.87	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-2.36	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	18.66	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	-0.81	B
ZINC	0.35	B

SAMPLE: CCB

File: AUH11A Aug 11, 2004 19:49

Analyte	Result	C
ALUMINUM	99.51	B
ANTIMONY	2.36	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.31	B
CADMIUM	0.30	U
CALCIUM	3.13	U
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-1.70	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	17.45	B
MANGANESE	0.14	B
NICKEL	1.07	B
SELENIUM	3.71	U
SILVER	-1.14	B
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	-0.99	B
ZINC	0.25	U

SAMPLE: CCB

File: AUH11A Aug 11, 2004 21:10

Analyte	Result	C
ALUMINUM	54.57	B
ANTIMONY	3.44	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-13.10	B
CHROMIUM	-0.85	B
COBALT	0.64	U
COPPER	-1.26	B
IRON	-11.26	B
LEAD	1.70	U
MAGNESIUM	-8.04	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	-0.86	B
THALLIUM	4.09	U
TIN	-2.23	B
VANADIUM	-1.18	B
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCB
File: AUH11A Aug 11, 2004 22:30

Analyte	Result	C
ALUMINUM	71.29	B
ANTIMONY	2.44	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	3.13	U
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-0.97	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	11.15	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	-2.92	B
VANADIUM	0.75	U
ZINC	0.28	B

SAMPLE: CCB
File: AUH11A Aug 11, 2004 23:51

Analyte	Result	C
ALUMINUM	40.28	B
ANTIMONY	2.47	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	9.45	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	11.74	B
LEAD	1.70	U
MAGNESIUM	17.84	B
MANGANESE	0.15	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	-2.28	B
VANADIUM	0.75	U
ZINC	0.27	B

SAMPLE: CCB
File: AUH11A Aug 12, 2004 0:58

Analyte	Result	C
ALUMINUM	-41.19	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	4.46	B
CHROMIUM	-1.09	B
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	2.43	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	-0.83	B
THALLIUM	-4.25	B
TIN	1.79	U
VANADIUM	-1.00	B
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCB

File: AUH11A Aug 12, 2004 2:18

Analyte	Result	C
ALUMINUM	-49.33	B
ANTIMONY	4.14	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	16.00	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	-11.43	B
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	2.56	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	-0.71	B
THALLIUM	4.09	U
TIN	-2.43	B
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH11A Aug 12, 2004 3:39

Analyte	Result	C
ALUMINUM	-76.37	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	35.25	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	1.32	B
IRON	-11.03	B
LEAD	1.70	U
MAGNESIUM	8.60	B
MANGANESE	2.50	B
NICKEL	0.85	U
SELENIUM	-4.22	B
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.30	B

SAMPLE: CCB

File: AUH11A Aug 12, 2004 4:59

Analyte	Result	C
ALUMINUM	-70.15	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	11.07	B
CHROMIUM	-1.02	B
COBALT	0.64	U
COPPER	0.87	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	-1.25	B
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCB

File: AUH11A Aug 12, 2004 6:07

Analyte	Result	C
ALUMINUM	-167.32	B
ANTIMONY	3.18	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	61.28	
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	2.82	B
IRON	-11.99	B
LEAD	1.70	U
MAGNESIUM	13.44	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	-2.94	B
VANADIUM	-1.08	B
ZINC	0.25	U

SAMPLE: CCB

File: AUH11A Aug 12, 2004 6:40

Analyte	Result	C
ALUMINUM	-87.79	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	39.84	B
CHROMIUM	-0.91	B
COBALT	0.64	U
COPPER	1.38	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	16.00	B
MANGANESE	0.13	U
NICKEL	0.87	B
SELENIUM	3.71	U
SILVER	-0.74	B
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.26	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: ICB

File: BUH11A Aug 11, 2004 16:52

Analyte	Result	C
ALUMINUM	-18.71	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	238.00	U
SODIUM	-19.11	B

SAMPLE: CCB

File: BUH11A Aug 11, 2004 17:26

Analyte	Result	C
ALUMINUM	20.49	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	41.20	B
POTASSIUM	487.97	B
SODIUM	19.10	U

SAMPLE: CCB

File: BUH11A Aug 11, 2004 18:33

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	25.29	B
IRON	11.12	B
MAGNESIUM	40.05	B
POTASSIUM	544.08	B
SODIUM	19.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCB

File: BUH11A Aug 11, 2004 19:41

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	12.30	B
MAGNESIUM	43.53	B
POTASSIUM	238.00	U
SODIUM	19.10	U

SAMPLE: CCB

File: BUH11A Aug 11, 2004 20:48

Analyte	Result	C
ALUMINUM	67.59	B
CALCIUM	61.64	
IRON	20.42	B
MAGNESIUM	102.69	
POTASSIUM	1151.37	
SODIUM	19.10	U

SAMPLE: CCB

File: BUH11A Aug 11, 2004 21:56

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	349.27	B
SODIUM	19.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCB

File: BUH11A Aug 11, 2004 23:04

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	238.00	U
SODIUM	19.10	U

SAMPLE: CCB

File: BUH11A Aug 12, 2004 0:11

Analyte	Result	C
ALUMINUM	18.08	B
CALCIUM	28.73	B
IRON	9.29	B
MAGNESIUM	33.65	B
POTASSIUM	279.29	B
SODIUM	19.10	U

SAMPLE: CCB

File: BUH11A Aug 12, 2004 1:19

Analyte	Result	C
ALUMINUM	30.88	B
CALCIUM	27.24	B
IRON	11.59	B
MAGNESIUM	30.93	B
POTASSIUM	381.45	B
SODIUM	19.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCB

File: BUH11A Aug 12, 2004 2:27

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	31.90	B
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	358.95	B
SODIUM	19.10	U

SAMPLE: CCB

File: BUH11A Aug 12, 2004 3:35

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	8.20	B
MAGNESIUM	40.83	B
POTASSIUM	247.62	B
SODIUM	-27.63	B

SAMPLE: CCB

File: BUH11A Aug 12, 2004 4:20

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	11.01	B
MAGNESIUM	38.61	B
POTASSIUM	401.54	B
SODIUM	19.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: ICB

File: HUH13D Aug 13, 2004 17:04

Analyte	Result	C
MERCURY	-0.01	B

SAMPLE: CCB

File: HUH13D Aug 13, 2004 17:30

Analyte	Result	C
MERCURY	-0.01	B

SAMPLE: CCB

File: HUH13D Aug 13, 2004 17:55

Analyte	Result	C
MERCURY	0.01	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Concentration Units: ug/L

SAMPLE: CCB

File: HUH13D Aug 13, 2004 18:04

Analyte	Result	C
MERCURY	-0.01	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH11ICS0

Matrix: SOIL **SDG Name:** CTO351-8

QC Batch ID: UH11ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ALUMINUM	1.830	U
ANTIMONY	0.373	B
ARSENIC	0.300	U
BARIUM	0.020	U
BERYLLIUM	-0.024	B
CADMIUM	0.030	U
CALCIUM	8.098	
CHROMIUM	0.080	U
COBALT	0.060	U
COPPER	0.090	U
IRON	1.070	U
LEAD	0.170	U
MAGNESIUM	0.750	U
MANGANESE	0.052	B
NICKEL	0.090	U
POTASSIUM	35.530	B
SELENIUM	0.370	U
SILVER	0.070	U
SODIUM	1.910	U
THALLIUM	0.410	U
TIN	2.602	B
VANADIUM	0.070	U
ZINC	0.284	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH12HGS0

Matrix: SOIL **SDG Name:** CTO351-8

QC Batch ID: UH12HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOUH11ICS0

Matrix: SOIL **SDG Name:** CTO351-8

QC Batch ID: UH11ICS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	1760.51	88.0	80	120
ANTIMONY	500.0	472.59	94.5	80	120
ARSENIC	500.0	497.25	99.5	80	120
BARIUM	2000.0	1845.77	92.3	80	120
BERYLLIUM	50.0	47.51	95.0	80	120
CADMIUM	250.0	238.84	95.5	80	120
CALCIUM	2500.0	2684.63	107.4	80	120
CHROMIUM	200.0	191.57	95.8	80	120
COBALT	500.0	465.42	93.1	80	120
COPPER	250.0	234.50	93.8	80	120
IRON	1000.0	925.83	92.6	80	120
LEAD	500.0	484.13	96.8	80	120
MAGNESIUM	5000.0	5167.68	103.4	80	120
MANGANESE	500.0	481.74	96.3	80	120
NICKEL	500.0	472.38	94.5	80	120
POTASSIUM	10000.0	9852.61	98.5	80	120
SELENIUM	500.0	488.55	97.7	80	120
SILVER	50.0	46.35	92.7	80	120
SODIUM	7500.0	7051.42	94.0	80	120
THALLIUM	500.0	482.24	96.4	80	120
TIN	500.0	491.51	98.3	80	120
VANADIUM	500.0	483.51	96.7	80	120
ZINC	500.0	469.45	93.9	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOUH12HGS0

Matrix: SOIL **SDG Name:** CTO351-8

QC Batch ID: UH12HGS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	5.71	114.2	80	120

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	18.30	P
ANTIMONY	8.0	2.34	P
ARSENIC	8.0	3.03	P
BARIUM	5.0	0.17	P
BERYLLIUM	5.0	0.25	P
CADMIUM	10	0.30	P
CALCIUM	50	3.13	P
CHROMIUM	15	0.80	P
COBALT	30	0.64	P
COPPER	25	0.86	P
IRON	100	10.70	P
LEAD	5.0	1.70	P
MAGNESIUM	50	7.52	P
MANGANESE	5.0	0.13	P
NICKEL	40	0.85	P
SELENIUM	10	3.71	P
SILVER	15	0.70	P
THALLIUM	15	4.09	P
TIN	100	1.79	P
VANADIUM	25	0.75	P
ZINC	25	0.25	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
POTASSIUM	1000	238.00	P
SODIUM	1000	19.10	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH11ICS0

Matrix: SOIL **SDG Name:** CTO351-8

Method: P **Prep Date:** 08/11/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH11ICS0	LCSOUH11ICS0	1	0.1
PBSUH11ICS0	PBSUH11ICS0	1	0.1
C03V-12C-06-0804	WU2451-001	1.31	0.1
C03V-12C-06-0804P	WU2451-001P	1.3	0.1
C03V-12C-06-0804S	WU2451-001S	1.31	0.1
C03V-12C-12-0804	WU2451-002	1.15	0.1
C03V-12C-24-0804	WU2451-003	1.31	0.1
C03V-12NW-06-0804	WU2451-004	1.52	0.1
C03V-12NW-12-0804	WU2451-005	1.38	0.1
C03V-12NW-24-0804	WU2451-006	1.35	0.1
C03V-DUP05-0804	WU2451-007	1.36	0.1
C03V-DUP06-0804	WU2451-008	1.63	0.1
C03V-DUP04-0804	WU2451-009	1.13	0.1
C03V-5F-0804	WU2451-010	1.32	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH12HGS0

Matrix: SOIL **SDG Name:** CTO351-8

Method: CV **Prep Date:** 08/12/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH12HGS0	LCSOUH12HGS0	0.6	0.1
PBSUH12HGS0	PBSUH12HGS0	0.6	0.1
C03V-12C-06-0804	WU2451-001R	0.76	0.1
C03V-12C-12-0804	WU2451-002R	0.84	0.1
C03V-12C-24-0804	WU2451-003R	0.62	0.1
C03V-12NW-06-0804	WU2451-004R	0.81	0.1
C03V-12NW-12-0804	WU2451-005R	0.68	0.1
C03V-12NW-24-0804	WU2451-006R	0.76	0.1
C03V-DUP05-0804	WU2451-007R	0.69	0.1
C03V-DUP06-0804	WU2451-008R	0.7	0.1
C03V-DUP04-0804	WU2451-009R	0.76	0.1
C03V-5F-0804	WU2451-010R	0.69	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Instrument ID: TJA TRACE ICP **File Name:** AUH11A

Date: 8/11/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements														
S0		1	14:19	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
S1		1	14:26	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
AL IEC		1	14:35	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
FE IEC		1	14:42	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
MN IEC		1	14:49	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
IEC		1	14:55	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICV		1	15:02	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICB		1	15:09	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
PQL		1	15:16	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CRI		1	15:22	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	15:29	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	15:36	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	15:42	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	15:49	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		1	16:00																					
ZZZZZZ		1	16:08																					
ZZZZZZ		1	16:15																					
ZZZZZZ		1	16:22																					
ZZZZZZ		1	16:28																					
ZZZZZZ		1	16:35																					
ZZZZZZ		1	16:42																					
CRI		1	16:48	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	16:55	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	17:02	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	17:09	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	17:15	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		50	17:24																					
ZZZZZZ		1	17:30																					
ZZZZZZ		1	17:37																					
ZZZZZZ		1	17:44																					
ZZZZZZ		1	17:50																					
ZZZZZZ		1	17:57																					
ZZZZZZ		1	18:04																					
ZZZZZZ		1	18:16																					
CCV		1	18:22	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	18:29	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		1	18:36																					
ZZZZZZ		5	18:42																					
ZZZZZZ		1	18:49																					
ZZZZZZ		1	18:56																					
ZZZZZZ		1	19:02																					
ZZZZZZ		1	19:09																					
ZZZZZZ		1	19:16																					
ZZZZZZ		1	19:23																					
ZZZZZZ		1	19:29																					
ZZZZZZ		1	19:36																					
CCV		1	19:43	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	19:49	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		1	19:56																					
ZZZZZZ		1	20:03																					

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Instrument ID: TJA TRACE ICP **File Name:** AUH11A

Date: 8/11/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements													
ZZZZZZ		1	20:10														
ZZZZZZ		1	20:16														
ZZZZZZ		5	20:23														
ZZZZZZ		1	20:30														
ZZZZZZ		1	20:36														
CRI		1	20:43	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ICSA		1	20:50	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ICSAB		1	20:56	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCV		1	21:03	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCB		1	21:10	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ZZZZZZ		1	21:17														
ZZZZZZ		1	21:23														
ZZZZZZ		1	21:30														
ZZZZZZ		1	21:37														
ZZZZZZ		1	21:43														
ZZZZZZ		1	21:50														
ZZZZZZ		1	21:57														
ZZZZZZ		1	22:04														
ZZZZZZ		1	22:10														
ZZZZZZ		10	22:17														
CCV		1	22:24	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCB		1	22:30	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ZZZZZZ		20	22:37														
ZZZZZZ		1	22:44														
ZZZZZZ		1	22:50														
ZZZZZZ		1	22:57														
ZZZZZZ		5	23:04														
ZZZZZZ		1	23:10														
ZZZZZZ		1	23:17														
ZZZZZZ		1	23:24														
ZZZZZZ		1	23:31														
ZZZZZZ		1	23:37														
CCV		1	23:44	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCB		1	23:51	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ZZZZZZ		1	23:57														
ZZZZZZ		1	0:04														
ZZZZZZ		1	0:11														
ZZZZZZ		1	0:18														
ZZZZZZ		1	0:24														
CRI		1	0:31	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ICSA		1	0:38	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ICSAB		1	0:44	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCV		1	0:51	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCB		1	0:58	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ZZZZZZ		1	1:04														
ZZZZZZ		1	1:11														
ZZZZZZ		1	1:18														
ZZZZZZ		1	1:25														
ZZZZZZ		1	1:31														
PBSUH11ICS0		1	1:38	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
LCSOUH11ICS0		1	1:45	Al	Sb	As	Ba	Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Instrument ID: TJA TRACE ICP **File Name:** AUH11A

Date: 8/12/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																			
WU2451-001	C03V-12C-06-0804	1	1:51	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-001L	C03V-12C-06-0804L	5	1:58	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-001S	C03V-12C-06-0804S	1	2:05	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	2:12	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	2:18	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-001P	C03V-12C-06-0804P	1	2:25	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-002	C03V-12C-12-0804	1	2:32	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-003	C03V-12C-24-0804	1	2:38	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-004	C03V-12NW-06-0804	1	2:45	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-005	C03V-12NW-12-0804	1	2:52	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-006	C03V-12NW-24-0804	1	2:59	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-007	C03V-DUP05-0804	1	3:05	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-008	C03V-DUP06-0804	1	3:12	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-009	C03V-DUP04-0804	1	3:19	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-010	C03V-5F-0804	1	3:25	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	3:32	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	3:39	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-001	C03V-12C-06-0804	10	3:46							Ca														
WU2451-001L	C03V-12C-06-0804L	50	3:52							Ca														
WU2451-001S	C03V-12C-06-0804S	10	3:59							Ca														
WU2451-001P	C03V-12C-06-0804P	10	4:06							Ca														
WU2451-002	C03V-12C-12-0804	10	4:12							Ca														
WU2451-003	C03V-12C-24-0804	10	4:19							Ca														
WU2451-004	C03V-12NW-06-0804	10	4:26							Ca														
CRI		1	4:33	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	4:39	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	4:46	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	4:53	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	4:59	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2451-005	C03V-12NW-12-0804	10	5:06							Ca														
WU2451-006	C03V-12NW-24-0804	10	5:13							Ca														
WU2451-007	C03V-DUP05-0804	10	5:20							Ca														
WU2451-008	C03V-DUP06-0804	10	5:26							Ca														
WU2451-009	C03V-DUP04-0804	10	5:33							Ca														
WU2451-010	C03V-5F-0804	10	5:40							Ca														
ZZZZZZ		10	5:47																					
ZZZZZZ		10	5:53																					
CCV		1	6:00	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	6:07	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CRI		1	6:13	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	6:20	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	6:27	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	6:34	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	6:40	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Instrument ID: TJA 61 ICP **File Name:** BUH11A

Date: 8/11/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
S0		1	16:18	Al	Ca	Fe	Mg	K	Na
S1		1	16:24	Al	Ca	Fe	Mg	K	Na
AL IEC		1	16:29	Al	Ca	Fe	Mg	K	Na
FE IEC		1	16:38	Al	Ca	Fe	Mg	K	Na
ICV		1	16:46	Al	Ca	Fe	Mg	K	Na
ICB		1	16:52	Al	Ca	Fe	Mg	K	Na
PQL		1	16:57	Al	Ca	Fe	Mg	K	Na
CRI		1	17:03	Al	Ca	Fe	Mg	K	Na
ICSA		1	17:09	Al	Ca	Fe	Mg	K	Na
ICSAB		1	17:14	Al	Ca	Fe	Mg	K	Na
CCV		1	17:20	Al	Ca	Fe	Mg	K	Na
CCB		1	17:26	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	17:31						
ZZZZZZ		1	17:37						
ZZZZZZ		1	17:43						
ZZZZZZ		1	17:48						
ZZZZZZ		1	17:54						
ZZZZZZ		1	17:59						
ZZZZZZ		1	18:05						
ZZZZZZ		5	18:11						
ZZZZZZ		1	18:16						
ZZZZZZ		1	18:22						
CCV		1	18:28	Al	Ca	Fe	Mg	K	Na
CCB		1	18:33	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	18:39						
ZZZZZZ		1	18:45						
ZZZZZZ		1	18:50						
ZZZZZZ		1	18:56						
ZZZZZZ		1	19:01						
ZZZZZZ		1	19:07						
ZZZZZZ		1	19:13						
ZZZZZZ		1	19:18						
ZZZZZZ		1	19:24						
ZZZZZZ		1	19:30						
CCV		1	19:35	Al	Ca	Fe	Mg	K	Na
CCB		1	19:41	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	19:46						
ZZZZZZ		1	19:52						
ZZZZZZ		5	19:58						
ZZZZZZ		1	20:03						
ZZZZZZ		1	20:09						
ZZZZZZ		1	20:15						
ZZZZZZ		1	20:20						
CRI		1	20:26	Al	Ca	Fe	Mg	K	Na
ICSA		1	20:32	Al	Ca	Fe	Mg	K	Na
ICSAB		1	20:37	Al	Ca	Fe	Mg	K	Na
CCV		1	20:43	Al	Ca	Fe	Mg	K	Na
CCB		1	20:48	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	20:54						
ZZZZZZ		1	21:00						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Instrument ID: TJA 61 ICP **File Name:** BUH11A

Date: 8/11/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ZZZZZZ		1	21:05						
ZZZZZZ		5	21:11						
ZZZZZZ		5	21:17						
ZZZZZZ		5	21:22						
ZZZZZZ		5	21:28						
ZZZZZZ		5	21:34						
ZZZZZZ		5	21:39						
ZZZZZZ		5	21:45						
CCV		1	21:50	Al	Ca	Fe	Mg	K	Na
CCB		1	21:56	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	22:02						
ZZZZZZ		1	22:07						
ZZZZZZ		1	22:13						
ZZZZZZ		1	22:19						
ZZZZZZ		1	22:24						
ZZZZZZ		1	22:30						
ZZZZZZ		1	22:36						
ZZZZZZ		5	22:41						
ZZZZZZ		1	22:47						
ZZZZZZ		1	22:52						
CCV		1	22:58	Al	Ca	Fe	Mg	K	Na
CCB		1	23:04	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	23:09						
ZZZZZZ		1	23:15						
ZZZZZZ		1	23:21						
ZZZZZZ		1	23:26						
ZZZZZZ		1	23:32						
ZZZZZZ		1	23:38						
ZZZZZZ		1	23:43						
CRI		1	23:49	Al	Ca	Fe	Mg	K	Na
ICSA		1	23:55	Al	Ca	Fe	Mg	K	Na
ICSAB		1	0:00	Al	Ca	Fe	Mg	K	Na
CCV		1	0:06	Al	Ca	Fe	Mg	K	Na
CCB		1	0:11	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	0:17						
ZZZZZZ		1	0:23						
ZZZZZZ		1	0:28						
ZZZZZZ		5	0:34						
ZZZZZZ		1	0:40						
ZZZZZZ		1	0:45						
ZZZZZZ		1	0:51						
ZZZZZZ		1	0:57						
ZZZZZZ		1	1:02						
ZZZZZZ		1	1:08						
CCV		1	1:14	Al	Ca	Fe	Mg	K	Na
CCB		1	1:19	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	1:25						
ZZZZZZ		1	1:30						
ZZZZZZ		1	1:36						
ZZZZZZ		1	1:42						
ZZZZZZ		10	1:47						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Instrument ID: TJA 61 ICP **File Name:** BUH11A

Date: 8/12/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
LCSOUH11ICS0		1	1:53					K	Na
PBSUH11ICS0		1	1:59					K	Na
WU2451-001	C03V-12C-06-0804	1	2:04					K	Na
WU2451-001P	C03V-12C-06-0804P	1	2:10					K	Na
WU2451-001S	C03V-12C-06-0804S	1	2:16					K	Na
CCV		1	2:21	Al	Ca	Fe	Mg	K	Na
CCB		1	2:27	Al	Ca	Fe	Mg	K	Na
WU2451-002	C03V-12C-12-0804	1	2:33					K	Na
WU2451-003	C03V-12C-24-0804	1	2:38					K	Na
WU2451-004	C03V-12NW-06-0804	1	2:44					K	Na
WU2451-005	C03V-12NW-12-0804	1	2:50					K	Na
WU2451-006	C03V-12NW-24-0804	1	2:55					K	Na
WU2451-007	C03V-DUP05-0804	1	3:01					K	Na
WU2451-008	C03V-DUP06-0804	1	3:07					K	Na
CRI		1	3:12	Al	Ca	Fe	Mg	K	Na
ICSA		1	3:18	Al	Ca	Fe	Mg	K	Na
ICSAB		1	3:23	Al	Ca	Fe	Mg	K	Na
CCV		1	3:29	Al	Ca	Fe	Mg	K	Na
CCB		1	3:35	Al	Ca	Fe	Mg	K	Na
WU2451-009	C03V-DUP04-0804	1	3:40					K	Na
WU2451-010	C03V-5F-0804	1	3:46					K	Na
WU2451-010L	C03V-5F-0804L	5	3:52					K	Na
CRI		1	3:57	Al	Ca	Fe	Mg	K	Na
ICSA		1	4:03	Al	Ca	Fe	Mg	K	Na
ICSAB		1	4:09	Al	Ca	Fe	Mg	K	Na
CCV		1	4:14	Al	Ca	Fe	Mg	K	Na
CCB		1	4:20	Al	Ca	Fe	Mg	K	Na

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-8

Instrument ID: CETAC M6100 **File Name:** HUH13D

Date: 8/13/2004 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	16:49	Hg
Standard #1 (0.2 p		1	16:51	Hg
Standard #2 (0.5 p		1	16:53	Hg
Standard #3 (1.0 p		1	16:56	Hg
Standard #4 (5.0 p		1	16:58	Hg
Standard #5 (10.0		1	17:00	Hg
ICV		1	17:02	HG
ICB		1	17:04	HG
CRA		1	17:06	HG
LCSOUH12HGS0		1	17:08	HG
PBSUH12HGS0		1	17:10	HG
ZZZZZZ		1	17:13	
ZZZZZZ		1	17:15	
ZZZZZZ		1	17:17	
ZZZZZZ		1	17:19	
ZZZZZZ		1	17:21	
ZZZZZZ		1	17:23	
ZZZZZZ		1	17:25	
CCV		1	17:27	HG
CCB		1	17:30	HG
ZZZZZZ		1	17:32	
ZZZZZZ		1	17:34	
WU2451-001R	C03V-12C-06-0804R	1	17:36	HG
WU2451-002R	C03V-12C-12-0804R	1	17:38	HG
WU2451-003R	C03V-12C-24-0804R	1	17:40	HG
WU2451-004R	C03V-12NW-06-0804R	1	17:42	HG
WU2451-005R	C03V-12NW-12-0804R	1	17:44	HG
WU2451-006R	C03V-12NW-24-0804R	1	17:47	HG
WU2451-007R	C03V-DUP05-0804R	1	17:49	HG
WU2451-008R	C03V-DUP06-0804R	1	17:51	HG
CCV		1	17:53	HG
CCB		1	17:55	HG
WU2451-009R	C03V-DUP04-0804R	1	17:57	HG
WU2451-010R	C03V-5F-0804R	1	17:59	HG
CCV		1	18:01	HG
CCB		1	18:04	HG

FIELD DUPLICATE PRECISION

ANALYTE	C03V-DUP05-0804	C03V-12NW-12-0804	RPD	DIFFERENCE
Aluminum	90.9	737	156.08	646.1
Antimony	0.78U	0.32U	#VALUE!	#VALUE!
Arsenic	0.87	0.62	33.56	0.25
Barium	8.5	5.7	39.44	2.8
Beryllium	0.02U	0.05U	#VALUE!	#VALUE!
Cadmium	0.05	0.04	22.22	0.01
Calcium	332000	214000	43.22	118000
Chromium	2.6	5.1	64.94 OK	2.5
Cobalt	0.06U	0.2	#VALUE!	~~#VALUE!~~ 0.2
Copper	2.6	1.5	53.66 OK	1.1
Iron	206	550	91.01	344
Lead	5.2	3.5	39.08	1.7
Magnesium	7040	1780	119.27	5260
Manganese	6	23.4	118.37	17.4
Mercury	0.14	0.01U	#VALUE!	~~#VALUE!~~ 0.14
Nickel	0.30U	0.98	#VALUE!	~~#VALUE!~~ 0.98
Potassium	69.3U	92.3U	#VALUE!	#VALUE!
Selenium	0.36U	0.29U	#VALUE!	#VALUE!
Silver	0.07U	0.06U	#VALUE!	#VALUE!
Sodium	2100	195	166.01	1905
Thallium	0.39U	0.32U	#VALUE!	#VALUE!
Tin	3.1U	2.0U	#VALUE!	#VALUE!
Vanadium	0.66	5.1	154.17 OK	4.44
Zinc	5.8	1.4	122.22 OK	4.4

ANALYTE	C03V-DUP06-0804	C03V-12C-24-0804	RPD	DIFFERENCE
Aluminum	494	1030	70.34	536
Antimony	1.2	1.8U	#VALUE!	~~#VALUE!~~ 1.2
Arsenic	0.86U	1.5	#VALUE!	~~#VALUE!~~ 1.5
Barium	23.8	38.5	47.19	14.7
Beryllium	0.02U	0.02U	#VALUE!	#VALUE!
Cadmium	0.09	0.13	36.36	0.04
Calcium	258000	314000	19.58	56000
Chromium	2.2	3.5	45.61	1.3
Cobalt	0.29	0.4	31.88	0.11
Copper	20.6	56.6	93.26	36
Iron	1670	3350	66.93	1680
Lead	120	98.2	19.98	21.8
Magnesium	2620	4450	51.77	1830
Manganese	37.2	68.7	59.49	31.5
Mercury	0.24	0.28	15.38	0.04
Nickel	0.87	1.6	59.11 OK	0.73
Potassium	81.2U	161U	#VALUE!	#VALUE!
Selenium	0.27U	0.34U	#VALUE!	#VALUE!
Silver	0.05U	0.06U	#VALUE!	#VALUE!
Sodium	1120	1560	32.84	440
Thallium	0.29U	0.38U	#VALUE!	#VALUE!
Tin	4.7U	5.8U	#VALUE!	#VALUE!
Vanadium	1.4	2.2	44.44	0.8
Zinc	62.1	71.4	13.93	9.3

FIELD DUPLICATE PRECISION

ANALYTE	C03V-DUP04-0804	C03V-5F-0804	RPD	DIFFERENCE
Aluminum	63.8U	48.5U	#VALUE!	#VALUE!
Antimony	0.30U	0.20U	#VALUE!	#VALUE!
Arsenic	0.44	0.34	25.64	0.1
Barium	8.8	8.9	1.13	0.1
Beryllium	0.02U	0.02U	#VALUE!	#VALUE!
Cadmium	0.04	0.06	40.00	0.02
Calcium	361000	380000	5.13	19000
Chromium	1.7	1.5	12.50	0.2
Cobalt	0.09	0.05U	#VALUE!	~~#VALUE!~~ 0.09
Copper	2.6	3	14.29	0.4
Iron	132	96.2	31.38	35.8
Lead	8.6	7.8	9.76	0.8
Magnesium	1030	838	20.56	192
Manganese	3.8	1.6	81.48	2.2
Mercury	0.01	0.02	66.67 OK	0.01
Nickel	0.50U	0.46	#VALUE!	~~#VALUE!~~ 0.46
Potassium	63.0U	55.2U	#VALUE!	#VALUE!
Selenium	0.36U	0.31U	#VALUE!	#VALUE!
Silver	0.07U	0.06U	#VALUE!	#VALUE!
Sodium	1460	1790	20.31	330
Thallium	0.40U	0.34U	#VALUE!	#VALUE!
Tin	2.5U	2.2U	#VALUE!	#VALUE!
Vanadium	1	0.86	15.05	0.14
Zinc	4.1	3.5	15.79	0.6

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 9, 2004**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- PCB CTO 349, NAS KEY WEST SDG 3519**		
SAMPLES:	6/Soil		

C03V-05W-06-0804	C03V-05W-12-0804	C03V-05W-24-0804
C03V-09WN-06-0804	C03V-09WN-12-0804	C03V-09WN-24-0804

OVERVIEW

The sample set for CTO 349, NAS Key West, SDG 3519 consists of six (6) environmental soil samples. All samples were analyzed for polychlorinated biphenyls (PCB).

The samples were collected by TetraTech NUS on August 10, 2004 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 SW-846 Method 8082 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
* • Initial and continuing calibration
* • Laboratory method and field quality control blank results
• 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.

PCB

All surrogates had 0% recovery in samples C03V-05W-06-0804 and C03V-05W-12-0804. No qualifications were made on this basis because the samples were analyzed at 10X and 30X dilutions respectively.

Samples C03V-05W-06-0804 and C03V-05W-12-0804 were analyzed at dilutions because the concentration of Aroclor 1260 exceeded the linear calibration range of the instrument. The samples were not analyzed un-diluted. This accounts for the elevated reporting limits for all non-detected analytes.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: None.

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

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

Tetra Tech NUS
Bernard F. Spada III
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration 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: 0693

SDG: 3519 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-05W-06-0804	nsample	C03V-05W-12-0804	nsample	C03V-05W-24-0804
samp_date	8/10/2004	samp_date	8/10/2004	samp_date	8/10/2004
lab_id	WU2452-1DL	lab_id	WU2452-2DL	lab_id	WU2452-3RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	93.3	Pct_Solids	93.0	Pct_Solids	90.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	180	U	
AROCLOR-1221	180	U	
AROCLOR-1232	180	U	
AROCLOR-1242	180	U	
AROCLOR-1248	180	U	
AROCLOR-1254	180	U	
AROCLOR-1260	12000		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	550	U	
AROCLOR-1221	550	U	
AROCLOR-1232	550	U	
AROCLOR-1242	550	U	
AROCLOR-1248	550	U	
AROCLOR-1254	550	U	
AROCLOR-1260	50000		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	33		

PROJ_NO: 0693

SDG: 3519 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-09WN-06-0804	nsample	C03V-09WN-12-0804	nsample	C03V-09WN-24-0804
samp_date	8/10/2004	samp_date	8/10/2004	samp_date	8/10/2004
lab_id	WU2452-4	lab_id	WU2452-5	lab_id	WU2452-6
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	94.4	Pct_Solids	90.1	Pct_Solids	92.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	28		
AROCLOR-1254	18	U	
AROCLOR-1260	1900		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	19	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/17/04
Report Date: 08/25/2004
Matrix: SOIL
% Solids: 93.3

Lab ID: WU2452-1DL
Client ID: C03V-05W-06-0804
SDG: CTO351-9
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	180	10	17	180	110
11104-28-2	Aroclor-1221	U	180	10	17	180	88
11141-16-5	Aroclor-1232	U	180	10	17	180	56
53469-21-9	Aroclor-1242	U	180	10	17	180	72
12672-29-6	Aroclor-1248	U	180	10	17	180	88
11097-69-1	Aroclor-1254	U	180	10	17	180	50
11096-82-5	Aroclor-1260		12000	10	17	180	92
877-09-8	Tetrachloro-m-xylene		D				
2051-24-3	Decachlorobiphenyl		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/17/04
Report Date: 08/25/2004
Matrix: SOIL
% Solids: 93.0

Lab ID: WU2452-2DL
Client ID: C03V-05W-12-0804
SDG: CTO351-9
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	550	30	17	550	340
11104-28-2	Aroclor-1221	U	550	30	17	550	260
11141-16-5	Aroclor-1232	U	550	30	17	550	170
53469-21-9	Aroclor-1242	U	550	30	17	550	220
12672-29-6	Aroclor-1248	U	550	30	17	550	270
11097-69-1	Aroclor-1254	U	550	30	17	550	150
11096-82-5	Aroclor-1260		50000	30	17	550	280
877-09-8	Tetrachloro-m-xylene		D				
2051-24-3	Decachlorobiphenyl		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/17/04
Report Date: 08/25/2004
Matrix: SOIL
% Solids: 90.5

Lab ID: WU2452-3RA
Client ID: C03V-05W-24-0804
SDG: CTO351-9
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.0
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.1
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260		33	1.0	17	19	9.5
877-09-8	Tetrachloro-m-xylene		75%				
2051-24-3	Decachlorobiphenyl		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/16/04
Report Date: 08/25/2004
Matrix: SOIL
% Solids: 94.4

Lab ID: WU2452-4
Client ID: C03V-09WN-06-0804
SDG: CTO351-9
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.7
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.1
12672-29-6	Aroclor-1248		28	1.0	17	18	8.7
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		1900	1.0	17	18	9.1
877-09-8	Tetrachloro-m-xylene		93%				
2051-24-3	Decachlorobiphenyl		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/16/04
Report Date: 08/25/2004
Matrix: SOIL
% Solids: 90.1

Lab ID: WU2452-5
Client ID: C03V-09WN-12-0804
SDG: CTO351-9
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.1
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.5
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.2
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.5
877-09-8	Tetrachloro-m-xylene		95%				
2051-24-3	Decachlorobiphenyl		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/16/04
Report Date: 08/25/2004
Matrix: SOIL
% Solids: 92.0

Lab ID: WU2452-6
Client ID: C03V-09WN-24-0804
SDG: CTO351-9
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.9
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	9.0
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.3
877-09-8	Tetrachloro-m-xylene		83%				
2051-24-3	Decachlorobiphenyl		98%				

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG 3519

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-05W-12-0804	WU2452-002	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
HG	MG/KG	C03V-05W-24-0804	WU2452-003	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
HG	MG/KG	C03V-09WN-06-0804	WU2452-004	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
HG	MG/KG	C03V-09WN-12-0804	WU2452-005	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
HG	MG/KG	C03V-09WN-24-0804	WU2452-006	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
HG	MG/KG	C03V-05W-06-0804	WU2452-001	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
M	MG/KG	C03V-05W-12-0804	WU2452-002	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
M	MG/KG	C03V-09WN-12-0804	WU2452-005	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21
M	MG/KG	C03V-09WN-12-0804	WU2452-005	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
M	MG/KG	C03V-09WN-06-0804	WU2452-004	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21
M	MG/KG	C03V-09WN-06-0804	WU2452-004	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
M	MG/KG	C03V-05W-24-0804	WU2452-003	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21
M	MG/KG	C03V-09WN-24-0804	WU2452-006	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
M	MG/KG	C03V-05W-12-0804	WU2452-002	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21
M	MG/KG	C03V-09WN-24-0804	WU2452-006	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-05W-06-0804	WU2452-001	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21
M	MG/KG	C03V-05W-06-0804	WU2452-001	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
M	MG/KG	C03V-05W-24-0804	WU2452-003	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
TS	%	C03V-09WN-12-0804	WU2452-5	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-09WN-06-0804	WU2452-4	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-09WN-24-0804	WU2452-6	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-05W-24-0804	WU2452-3	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-05W-12-0804	WU2452-2	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-05W-06-0804	WU2452-1	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
PCB	%	C03V-05W-12-0804	WU2452-2DL	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	%	C03V-05W-24-0804	WU2452-3RA	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	%	C03V-09WN-06-0804	WU2452-4	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6
PCB	%	C03V-09WN-12-0804	WU2452-5	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6
PCB	%	C03V-09WN-24-0804	WU2452-6	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6
PCB	%	C03V-05W-06-0804	WU2452-1DL	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	UG/KG	C03V-05W-24-0804	WU2452-3RA	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	UG/KG	C03V-09WN-24-0804	WU2452-6	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6
PCB	UG/KG	C03V-09WN-06-0804	WU2452-4	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-05W-12-0804	WU2452-2DL	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	UG/KG	C03V-05W-06-0804	WU2452-1DL	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	UG/KG	C03V-09WN-12-0804	WU2452-5	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST; SDG: CTO351-9
WU2452
TASK ORDER MANAGER: CHARLES BRYAN

Sample Receipt

The following samples were received on August 11, 2004 and were logged in under Katahdin Analytical Services work order number WU2452 for a hardcopy due date of September 6, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2452-1	C03V-05W-06-0804
WU2452-2	C03V-05W-12-0804
WU2452-3	C03V-05W-24-0804
WU2452-4	C03V-09WN-06-0804
WU2452-5	C03V-09WN-12-0804
WU2452-6	C03V-09WN-24-0804

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

The samples of SDG CTO351-9 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

The calibration verification standards (CV) (files 6UH2177, 6UH2195 and 6UH2231) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The CV's (files 6UH4002 and 6UH4027) had high responses for TCX on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The matrix spike duplicate, WG9146-4 had a high recovery for the spiked analyte Aroclor 1260, which was outside of the laboratory established acceptance limits. The matrix spike sample, WG9146-3 had an acceptable recovery. This resulted in an RPD for the matrix spike duplicates that was above the acceptance limit of 50%.

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

Metals Analysis

The samples of Katahdin SDG CTO351-9 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)

Soil-matrix Katahdin Sample Nos. WU2452-(1-6) were digested for ICP analysis on 08/20/04 (QC Batch UH20ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2452-3 was prepared with duplicate matrix-spiked aliquots.

The measured calcium concentration (0.0898 mg/L, corresponding to a dry-weight concentration of 8.98 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of SDG CTO351-9 sample digestates were performed using a Thermo Jarrell Ash (TJA) and a TJA 61E ICP spectrometer in accordance with USEPA Method 6010B. ICP-MS analyses of SDG CTO351-9 sample digestates were performed using an Agilent 7500 ICP-MS spectrometer in accordance with USEPA Method 6020. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

The ICSAB analyzed at 14:02 in run ID AUH31A did not have the correct sample in the autosampler cup. The cup was removed and the correct ICSAB was placed in the position and analyzed immediately after at 14:09.

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)

Soil-matrix Katahdin Sample Nos. WU2452-(1-6) were digested for mercury analysis on 08/15/04 (QC Batch UH15HGS0) in accordance with USEPA Method 7471A. Sample No. WU2452-3 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin SDG CTO351-9 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for most metals in the matrix-spike of Katahdin Sample No. WU2452-3 are outside the laboratory's acceptance limits. The recoveries for Be, Fe, Mg, Ag and Na in the matrix-spike duplicate of Katahdin Sample No. WU2452-3 are outside the laboratory's acceptance limits.

The matrix-spike duplicate analysis of Katahdin Sample No. WU2452-3 exceeds the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for most metals.

Per client request, this data is provided in the enclosed package. The matrix spike and matrix spike duplicate will be redigested and provided as an addendum to the original report when the results are available.

The serial dilution analysis of Katahdin Sample No. WU2452-3 exceeds the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for barium and iron.

Wet Chemistry Analysis

The samples of SDG CTO351-9 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

María Crouch
09.03.04
María Crouch
Quality Assurance Officer

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

A

Client	Contact	Phone #	Fax #
Tetra Tech NUS	Chuck Bryan	(803) 649-7963	(803) 649-8454

Address 900 Trail Ridge Rd City Aiken State SC Zip Code 29803

Purchase Order # Proj. Name / No. Katahdin Quote #

Bill (if different than above) Address

Sampler (Print / Sign) Copies To:

LAB USE ONLY WORK ORDER #: WU2452

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL Metals (Filt. ☐Y ☐N)	TCL PCB (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
	~~C03V-5F-0804~~	~~10 Aug 04~~ /												
	C03V-05W-06-0804	10 Aug 04 / 1116	SO	1	X	X								
	C03V-05W-12-0804	/ 1118												
	C03V-05W-24-0804	/ 1120												
	C03V-05W-24-0804MS	/ 1120												
	C03V-05W-24-0804MSD	/ 1120												
	C03V-09WN-06-0804	/ 1125												
	C03V-09WN-12-0804	/ 1127												
	C03V-09WN-24-0804	/ 1130												
		/												
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS

14 day turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10 Aug 04 2:48PM	[signature]	8/11/04 0850		
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.

0000007

ORIGINAL

S-COC1

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-9

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.13 DCB: 20.57

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	7.14	20.58
02	ICAL	AR1660 0.05P	01/30/04	1712	7.13	20.58
03	ICAL	AR1660 0.10P	01/30/04	1741	7.14	20.58
04	ICAL	AR1660 0.25P	01/30/04	1809	7.13	20.58
05	ICAL	AR1660 2.5PP	01/30/04	1838	7.13	20.57
06	ICAL	AR1660 10PPM	01/30/04	1906	7.13	20.57
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1248 1.0PP	01/30/04	2322		
11	ICAL	AR1248 0.05P	01/30/04	2350		
12	ICAL	AR1248 0.10P	01/31/04	0019		
13	ICAL	AR1248 0.25P	01/31/04	0047		
14	ICAL	AR1248 2.5PP	01/31/04	0116		
15	ICAL	AR1248 10PPM	01/31/04	0144		
16	ICAL	AR1254 1.0PP	01/31/04	0212		
17	ICAL	AR1221 1.0PP	01/31/04	0503		
18	ICAL	AR1232 1.0PP	01/31/04	0531		
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:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-9

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.97 DCB: 21.01

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	6.94	20.99
02	ICAL	AR1660 0.05P	01/30/04	1712	6.94	20.99
03	ICAL	AR1660 0.10P	01/30/04	1741	6.95	20.99
04	ICAL	AR1660 0.25P	01/30/04	1809	6.94	20.99
05	ICAL	AR1660 2.5PP	01/30/04	1838	6.94	20.99
06	ICAL	AR1660 10PPM	01/30/04	1906	6.94	20.99
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1248 1.0PP	01/30/04	2322		
11	ICAL	AR1248 0.05P	01/30/04	2350		
12	ICAL	AR1248 0.10P	01/31/04	0019		
13	ICAL	AR1248 0.25P	01/31/04	0047		
14	ICAL	AR1248 2.5PP	01/31/04	0116		
15	ICAL	AR1248 10PPM	01/31/04	0144		
16	ICAL	AR1254 1.0PP	01/31/04	0212		
17	ICAL	AR1221 1.0PP	01/31/04	0503		
18	ICAL	AR1232 1.0PP	01/31/04	0531		
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:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-9

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.92 DCB: 20.30

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/11/04	1523	6.92	20.30
02	WG9146-BLANK	WG9146-1	08/11/04	1717	6.91	20.29
03	WG9146-LCS	WG9146-2	08/11/04	1746	6.91	20.29
04	CV	AR1660 1.0PP	08/11/04	2357	6.92	20.30
05	CV	AR1660 1.0PP	08/16/04	1304	6.93	20.31
06	CV	AR1248 1.0PP	08/16/04	1401		
07	C03V-09WN-06	WU2452-4	08/16/04	1801	6.90	20.28
08	C03V-09WN-12	WU2452-5	08/16/04	1829	6.90	20.29
09	C03V-09WN-24	WU2452-6	08/16/04	1858	6.90	20.29
10	C03V-05W-24-	WG9146-3	08/16/04	1926	6.90	20.29
11	C03V-05W-24-	WG9146-4	08/16/04	1954	6.90	20.29
12	CV	AR1660 1.0PP	08/16/04	2148	6.90	20.29
13	CV	AR1248 1.0PP	08/16/04	2245		
14	CV	AR1660 1.0PP	08/17/04	1048	6.91	20.30
15	C03V-05W-24-	WU2452-3RA	08/17/04	1342	6.92	20.30
16	C03V-05W-06-	WU2452-1DL	08/17/04	1411		
17	C03V-05W-12-	WU2452-2DL	08/17/04	1439		
18	CV	AR1660 1.0PP	08/18/04	0008	6.90	20.29
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:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-9

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.72 DCB: 20.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/11/04	1523	6.71	20.70
02	WG9146-BLANK	WG9146-1	08/11/04	1717	6.71	20.69
03	WG9146-LCS	WG9146-2	08/11/04	1746	6.71	20.69
04	CV	AR1660 1.0PP	08/11/04	2357	6.72	20.70
05	CV	AR1660 1.0PP	08/16/04	1304	6.73	20.71
06	CV	AR1248 1.0PP	08/16/04	1401		
07	C03V-09WN-06	WU2452-4	08/16/04	1801	6.71	20.69
08	C03V-09WN-12	WU2452-5	08/16/04	1829	6.71	20.69
09	C03V-09WN-24	WU2452-6	08/16/04	1858	6.71	20.69
10	C03V-05W-24-	WG9146-3	08/16/04	1926	6.71	20.69
11	C03V-05W-24-	WG9146-4	08/16/04	1954	6.71	20.69
12	CV	AR1660 1.0PP	08/16/04	2148	6.71	20.70
13	CV	AR1248 1.0PP	08/16/04	2245		
14	CV	AR1660 1.0PP	08/17/04	1048	6.72	20.70
15	C03V-05W-24-	WU2452-3RA	08/17/04	1342	6.72	20.70
16	C03V-05W-06-	WU2452-1DL	08/17/04	1411		
17	C03V-05W-12-	WU2452-2DL	08/17/04	1439		
18	CV	AR1660 1.0PP	08/18/04	0008	6.71	20.69
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 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: CTO351-9

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG9146-BLANK	WG9146-1	80	90	89	100			0
02	WG9146-LCS	WG9146-2	84	94	93	105			0
03	C03V-09WN-06-0804	WU2452-4	86	93	80	88			0
04	C03V-09WN-12-0804	WU2452-5	87	95	86	92			0
05	C03V-09WN-24-0804	WU2452-6	76	83	90	98			0
06	C03V-05W-24-0804MS	WG9146-3	78	86	81	89			0
07	C03V-05W-24-0804MSD	WG9146-4	82	91	87	95			0
08	C03V-05W-24-0804	WU2452-3RA	69	75	84	90			0
09	C03V-05W-06-0804	WU2452-1DL	D	D	D	D			0
10	C03V-05W-12-0804	WU2452-2DL	D	D	D	D			0
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/10/04
Received Date: 08/11/04
Extraction Date: 08/11/04
Analysis Date: 08/16/04
Report Date: 08/25/2004
Matrix: SOIL

Lab ID: WG9146-3 & WG9146-4
Client ID: C03V-05W-24-0804MS & C03V-05W-24-0804MSD
SDG: CTO351-9
Extracted by: NB
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9146
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	184	184	0.00	160	166	87	90	4	50	56-116
Aroclor-1260	184	184	27	232	492	111	* 253 *	72	50	59-118

FORM III PEST-2

6UH1226.d & 6UH1227.d

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-05W
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-9

Lab Sample ID: WU2452-1DL Date(s) Analyzed: 08/17/04 08/17/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.70	15.62	15.76	9950		
Aroclor-1260	2	16.24	16.16	16.30	9800		
	3	16.83	16.74	16.88	10800		
COLUMN 1	4	17.50	17.42	17.56	11400		
	5	18.84	18.76	18.90	9180	10200	
	1	15.85	15.78	15.92	13400		
	2	16.76	16.69	16.83	10700		
	3	17.15	17.09	17.23	11800		
COLUMN 2	4	18.12	18.05	18.19	12000		
	5	19.25	19.18	19.32	10200	11600	12.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-05W
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-9

Lab Sample ID: WU2452-2DL Date(s) Analyzed: 08/17/04 08/17/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.70	15.62	15.76	44800		
Aroclor-1260	2	16.24	16.16	16.30	42300		
	3	16.82	16.74	16.88	48200		
COLUMN 1	4	17.50	17.42	17.56	51400		
	5	18.84	18.76	18.90	40000	45400	
	1	15.85	15.78	15.92	57300		
	2	16.76	16.69	16.83	45600		
	3	17.15	17.09	17.23	52900		
COLUMN 2	4	18.11	18.05	18.19	51800		
	5	19.24	19.18	19.32	43500	50200	9.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-05W
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-9

Lab Sample ID: WU2452-3RA Date(s) Analyzed: 08/17/04 08/17/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1260 COLUMN 1	1	15.72	15.62	15.76	24.3		
	2	16.25	16.16	16.30	25.1		
	3	16.84	16.74	16.88	28.9		
	4	17.52	17.42	17.56	31.4		
	5	18.86	18.76	18.90	24.1	26.8	
COLUMN 2	1	15.86	15.78	15.92	35.5		
	2	16.77	16.69	16.83	29.9		
	3	17.16	17.09	17.23	34.8		
	4	18.13	18.05	18.19	35.8		
	5	19.26	19.18	19.32	30.5	33.3	19.5
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-09W
N-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: CTO351-9

Lab Sample ID: WU2452-4 Date(s) Analyzed: 08/16/04 08/16/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	11.24	11.16	11.30	7.87		
Aroclor-1248	2	11.53	11.46	11.60	18.8		
	3	12.15	12.06	12.20	21.0		
COLUMN 1	4	12.24	12.17	12.31	43.8		
	5	12.64	12.57	12.71	42.6	26.8	
	1	11.80	11.73	11.87	14.3		
	2	12.41	12.34	12.48	26.3		
	3	12.53	12.45	12.59	23.7		
COLUMN 2	4	12.66	12.59	12.73	33.3		
	5	13.26	13.19	13.33	43.6	28.2	5.0
	1	15.69	15.63	15.77	1410		
Aroclor-1260	2	16.24	16.17	16.31	1410		
	3	16.83	16.76	16.90	2170		
COLUMN 1	4	17.49	17.43	17.57	2440		
	5	18.84	18.77	18.91	2040	1890	
	1	15.85	15.78	15.92	1430		
	2	16.76	16.68	16.82	1470		
	3	17.15	17.08	17.22	2340		
COLUMN 2	4	18.11	18.04	18.18	2320		
	5	19.24	19.18	19.32	2110	1940	2.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 8, 2004**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS + TIN**
NAS KEY WEST – CTO 349
SAMPLE DELIVERY GROUP (SDG) – 3519

SAMPLES: 6/SOIL/

C03V-05W-06-0804	C03V-05W-12-0804	C03V-05W-24-0804
C03V-09WN-06-0804	C03V-09WN-12-0804	C03V-09WN-24-0804

Overview

The sample set for NAS Key West, CTO 349, SDG 3519, consists of six (6) soil environmental samples.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by Tetra Tech NUS on August 10, 2004 and analyzed by Katahdin Analytical Services. Metals analyses except mercury were conducted using SW846 method 6010B. Mercury analyses were conducted using SW846 method 7471A.

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

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
  • Laboratory Blank Analyses
* • Detection Limits

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	58.37 ug/L	29.19 mg/kg
Antimony[1]	0.043 mg/kg	0.22 mg/kg
Arsenic[1]	0.022 mg/kg	0.11 mg/kg
Barium	1.0 ug/L	0.5 mg/kg
Beryllium	0.71 ug/L	0.36 mg/kg
Calcium[1]	8.981 mg/kg	44.91 mg/kg
Chromium[1]	0.186 mg/kg	0.93 mg/kg
Copper	2.85 ug/L	1.43 mg/kg
Iron	14.76 ug/L	7.38 mg/kg
Lead[1]	0.283 mg/kg	1.42 mg/kg
Magnesium	48.67 ug/L	24.34 mg/kg
Potassium	840.76 ug/L	420.38 mg/kg
Silver	7.86 ug/L	3.93 mg/kg
Sodium[1]	8.389 mg/kg	41.95 mg/kg
Thallium	4.47 ug/L	2.24 mg/kg
Tin[1]	3.067 mg/kg	15.34 mg/kg
Zinc[1]	0.639 mg/kg	3.20 mg/kg

[1] Maximum concentration present in laboratory preparation blank.

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

Notes

Dilutions were performed for calcium in all samples due to the concentrations of calcium above the linear range of the instrument.

Executive Summary

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

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", 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: 0693

SDG: 3519 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-05W-06-0804	nsample	C03V-05W-12-0804	nsample	C03V-05W-24-0804
samp_date	8/10/2004	samp_date	8/10/2004	samp_date	8/10/2004
lab_id	WU2452-001	lab_id	WU2452-002	lab_id	WU2452-003
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	93.3	Pct_Solids	93.0	Pct_Solids	90.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	267		
ANTIMONY	2		
ARSENIC	7.5		
BARIUM	25.3		
BERYLLIUM	0.08	U	A
CADMIUM	0.48		
CALCIUM	382000		
CHROMIUM	6.9		
COBALT	0.48		
COPPER	19		
IRON	3850		
LEAD	171		
MAGNESIUM	1450		
MANGANESE	33.2		
MERCURY	0.08		
NICKEL	3.2		
POTASSIUM	37.2	U	A
SELENIUM	0.29	U	
SILVER	0.23	U	
SODIUM	1730		
THALLIUM	0.32	U	
TIN	4	U	A
VANADIUM	2		
ZINC	59.4		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	291		
ANTIMONY	1.6		
ARSENIC	14.6		
BARIUM	19.6		
BERYLLIUM	0.06	U	A
CADMIUM	0.43		
CALCIUM	398000		
CHROMIUM	5.7		
COBALT	0.38	U	
COPPER	17.6		
IRON	1250		
LEAD	199		
MAGNESIUM	1850		
MANGANESE	12.7		
MERCURY	0.12		
NICKEL	2		
POTASSIUM	20.65	U	
SELENIUM	0.32	U	
SILVER	0.25	U	
SODIUM	1420		
THALLIUM	0.37	U	A
TIN	3.7	U	A
VANADIUM	2.3		
ZINC	74.9		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	51.7		
ANTIMONY	0.18	U	
ARSENIC	0.49		
BARIUM	6.4		
BERYLLIUM	0.07	U	A
CADMIUM	0.3	U	
CALCIUM	341000		
CHROMIUM	1.4		
COBALT	0.33	U	
COPPER	1.5		
IRON	71.3		
LEAD	3.5		
MAGNESIUM	1170		
MANGANESE	1.8		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	21.6	U	A
SELENIUM	0.28	U	
SILVER	0.21	U	
SODIUM	1370		
THALLIUM	0.31	U	
TIN	2.2	U	A
VANADIUM	1.1		
ZINC	2.7		

PROJ_NO: 0693

SDG: 3519 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-09WN-06-0804	nsample	C03V-09WN-12-0804	nsample	C03V-09WN-24-0804
samp_date	8/10/2004	samp_date	8/10/2004	samp_date	8/10/2004
lab_id	WU2452-004	lab_id	WU2452-005	lab_id	WU2452-006
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	94.4	Pct_Solids	90.1	Pct_Solids	92.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	79.6		
ANTIMONY	1.2		
ARSENIC	0.39		
BARIUM	9.6		
BERYLLIUM	0.07	U	A
CADMIUM	0.36	U	
CALCIUM	357000		
CHROMIUM	2.5		
COBALT	0.39	U	
COPPER	10		
IRON	154		
LEAD	92		
MAGNESIUM	791		
MANGANESE	2.9		
MERCURY	0.01	U	
NICKEL	0.98	U	
POTASSIUM	50	U	A
SELENIUM	0.34	U	
SILVER	0.26	U	
SODIUM	1340		
THALLIUM	0.37	U	
TIN	2.7	U	A
VANADIUM	1.7		
ZINC	19.2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	84.2		
ANTIMONY	0.19	U	
ARSENIC	0.24	U	
BARIUM	6.3		
BERYLLIUM	0.07	U	A
CADMIUM	0.31	U	
CALCIUM	317000		
CHROMIUM	1.6		
COBALT	0.35	U	
COPPER	2.5		
IRON	83.6		
LEAD	3.7		
MAGNESIUM	673		
MANGANESE	1.4		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	18.86	U	
SELENIUM	0.29	U	
SILVER	0.23	U	
SODIUM	1090		
THALLIUM	0.48	U	A
TIN	2.4	U	A
VANADIUM	1.3		
ZINC	2.9		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	114		
ANTIMONY	0.23	U	
ARSENIC	0.29	U	
BARIUM	6.3		
BERYLLIUM	0.08	U	A
CADMIUM	0.38	U	
CALCIUM	396000		
CHROMIUM	2		
COBALT	0.42	U	
COPPER	1.6		
IRON	62.4		
LEAD	1.3	U	A
MAGNESIUM	789		
MANGANESE	2.6		
MERCURY	0.01	U	
NICKEL	1.04	U	
POTASSIUM	42	U	A
SELENIUM	0.36	U	
SILVER	0.27	U	
SODIUM	1180		
THALLIUM	0.39	U	
TIN	2.6	U	A
VANADIUM	1.5		
ZINC	2.3	U	A

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-05W-06-0804

Matrix: SOIL **SDG Name:** CTO351-9

Percent Solids: 93.3 **Lab Sample ID:** WU2452-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	267		*	P	1	24	1.42
7440-36-0	ANTIMONY, TOTAL	2.0		N*	P	1	0.64	0.19
7440-38-2	ARSENIC, TOTAL	7.5		N*	P	1	0.64	0.24
7440-39-3	BARIUM, TOTAL	25.3		N*E	P	1	0.40	0.04
7440-41-7	BERYLLIUM, TOTAL	0.08	B	N*	P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.48	B	N*	P	1	0.79	0.32
7440-70-2	CALCIUM, TOTAL	382000		*	P	10	40	16.99
7440-47-3	CHROMIUM, TOTAL	6.9		N*	P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.48	B	N*	P	1	2.4	0.35
7440-50-8	COPPER, TOTAL	19.0		N*	P	1	2.0	0.15
7439-89-6	IRON, TOTAL	3850		N*E	P	1	7.9	0.40
7439-92-1	LEAD, TOTAL	171		N	P	1	0.40	0.13
7439-95-4	MAGNESIUM, TOTAL	1450		N*	P	1	4.0	1.96
7439-96-5	MANGANESE, TOTAL	33.2		N*	P	1	0.40	0.09
7439-97-6	MERCURY, TOTAL	0.08			CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	3.2	B	N*	P	1	3.2	0.86
7440-09-7	POTASSIUM, TOTAL	37.2	B	*	P	1	79	18.90
7782-49-2	SELENIUM, TOTAL	0.29	U	N*	P	1	0.79	0.29
7440-22-4	SILVER, TOTAL	0.23	U	N	P	1	1.2	0.23
7440-23-5	SODIUM, TOTAL	1730		N*	P	1	79	1.52
7440-28-0	THALLIUM, TOTAL	0.32	U	N*	P	1	1.2	0.32
7440-31-5	TIN, TOTAL	4.0	B	N	P	1	7.9	0.14
7440-62-2	VANADIUM, TOTAL	2.0		N*	P	1	2.0	0.33
7440-66-6	ZINC, TOTAL	59.4		N*	P	1	2.0	0.11

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-05W-12-0804

Matrix: SOIL **SDG Name:** CTO351-9

Percent Solids: 93.0 **Lab Sample ID:** WU2452-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	291		*	P	1	26	1.55
7440-36-0	ANTIMONY, TOTAL	1.6		N*	P	1	0.69	0.20
7440-38-2	ARSENIC, TOTAL	14.6		N*	P	1	0.69	0.26
7440-39-3	BARIUM, TOTAL	19.6		N*E	P	1	0.43	0.05
7440-41-7	BERYLLIUM, TOTAL	0.06	B	N*	P	1	0.43	0.02
7440-43-9	CADMIUM, TOTAL	0.43	B	N*	P	1	0.87	0.34
7440-70-2	CALCIUM, TOTAL	398000		*	P	10	43	18.56
7440-47-3	CHROMIUM, TOTAL	5.7		N*	P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.38	U	N*	P	1	2.6	0.38
7440-50-8	COPPER, TOTAL	17.6		N*	P	1	2.2	0.17
7439-89-6	IRON, TOTAL	1250		N*E	P	1	8.7	0.44
7439-92-1	LEAD, TOTAL	199		N	P	1	0.43	0.15
7439-95-4	MAGNESIUM, TOTAL	1850		N*	P	1	4.3	2.14
7439-96-5	MANGANESE, TOTAL	12.7		N*	P	1	0.43	0.10
7439-97-6	MERCURY, TOTAL	0.12			CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	2.0	B	N*	P	1	3.5	0.94
7440-09-7	POTASSIUM, TOTAL	20.65	U	*	P	1	87	20.65
7782-49-2	SELENIUM, TOTAL	0.32	U	N*	P	1	0.87	0.32
7440-22-4	SILVER, TOTAL	0.25	U	N	P	1	1.3	0.25
7440-23-5	SODIUM, TOTAL	1420		N*	P	1	87	1.66
7440-28-0	THALLIUM, TOTAL	0.37	B	N*	P	1	1.3	0.35
7440-31-5	TIN, TOTAL	3.7	B	N	P	1	8.7	0.16
7440-62-2	VANADIUM, TOTAL	2.3		N*	P	1	2.2	0.36
7440-66-6	ZINC, TOTAL	74.9		N*	P	1	2.2	0.12

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-05W-24-0804

Matrix: SOIL **SDG Name:** CTO351-9

Percent Solids: 90.5 **Lab Sample ID:** WU2452-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	51.7		*	P	1	22	1.35
7440-36-0	ANTIMONY, TOTAL	0.18	U	N*	P	1	0.60	0.18
7440-38-2	ARSENIC, TOTAL	0.49	B	N*	P	1	0.60	0.23
7440-39-3	BARIUM, TOTAL	6.4		N*E	P	1	0.38	0.04
7440-41-7	BERYLLIUM, TOTAL	0.07	B	N*	P	1	0.38	0.02
7440-43-9	CADMIUM, TOTAL	0.30	U	N*	P	1	0.75	0.30
7440-70-2	CALCIUM, TOTAL	341000		*	P	10	38	16.08
7440-47-3	CHROMIUM, TOTAL	1.4		N*	P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.33	U	N*	P	1	2.2	0.33
7440-50-8	COPPER, TOTAL	1.5	B	N*	P	1	1.9	0.14
7439-89-6	IRON, TOTAL	71.3		N*E	P	1	7.5	0.38
7439-92-1	LEAD, TOTAL	3.5		N	P	1	0.38	0.13
7439-95-4	MAGNESIUM, TOTAL	1170		N*	P	1	3.8	1.86
7439-96-5	MANGANESE, TOTAL	1.8		N*	P	1	0.38	0.09
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.031	0.01
7440-02-0	NICKEL, TOTAL	1.2	B	N*	P	1	3.0	0.81
7440-09-7	POTASSIUM, TOTAL	21.6	B	*	P	1	75	17.89
7782-49-2	SELENIUM, TOTAL	0.28	U	N*	P	1	0.75	0.28
7440-22-4	SILVER, TOTAL	0.21	U	N	P	1	1.1	0.21
7440-23-5	SODIUM, TOTAL	1370		N*	P	1	75	1.44
7440-28-0	THALLIUM, TOTAL	0.31	U	N*	P	1	1.1	0.31
7440-31-5	TIN, TOTAL	2.2	B	N	P	1	7.5	0.13
7440-62-2	VANADIUM, TOTAL	1.1	B	N*	P	1	1.9	0.31
7440-66-6	ZINC, TOTAL	2.7		N*	P	1	1.9	0.11

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-09WN-06-0804

Matrix: SOIL **SDG Name:** CTO351-9

Percent Solids: 94.4 **Lab Sample ID:** WU2452-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	79.6		*	P	1	27	1.62
7440-36-0	ANTIMONY, TOTAL	1.2		N*	P	1	0.72	0.21
7440-38-2	ARSENIC, TOTAL	0.39	B	N*	P	1	0.72	0.27
7440-39-3	BARIUM, TOTAL	9.6		N*E	P	1	0.45	0.05
7440-41-7	BERYLLIUM, TOTAL	0.07	B	N*	P	1	0.45	0.02
7440-43-9	CADMIUM, TOTAL	0.36	U	N*	P	1	0.90	0.36
7440-70-2	CALCIUM, TOTAL	357000		*	P	10	45	19.37
7440-47-3	CHROMIUM, TOTAL	2.5		N*	P	1	1.4	0.07
7440-48-4	COBALT, TOTAL	0.39	U	N*	P	1	2.7	0.39
7440-50-8	COPPER, TOTAL	10.0		N*	P	1	2.3	0.17
7439-89-6	IRON, TOTAL	154		N*E	P	1	9.0	0.46
7439-92-1	LEAD, TOTAL	92.0		N	P	1	0.45	0.15
7439-95-4	MAGNESIUM, TOTAL	791		N*	P	1	4.5	2.24
7439-96-5	MANGANESE, TOTAL	2.9		N*	P	1	0.45	0.11
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.030	0.01
7440-02-0	NICKEL, TOTAL	0.98	U	N*	P	1	3.6	0.98
7440-09-7	POTASSIUM, TOTAL	50.0	B	*	P	1	90	21.54
7782-49-2	SELENIUM, TOTAL	0.34	U	N*	P	1	0.90	0.34
7440-22-4	SILVER, TOTAL	0.26	U	N	P	1	1.4	0.26
7440-23-5	SODIUM, TOTAL	1340		N*	P	1	90	1.73
7440-28-0	THALLIUM, TOTAL	0.37	U	N*	P	1	1.4	0.37
7440-31-5	TIN, TOTAL	2.7	B	N	P	1	9.0	0.16
7440-62-2	VANADIUM, TOTAL	1.7	B	N*	P	1	2.3	0.37
7440-66-6	ZINC, TOTAL	19.2		N*	P	1	2.3	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-09WN-12-0804

Matrix: SOIL **SDG Name:** CTO351-9

Percent Solids: 90.1 **Lab Sample ID:** WU2452-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	84.2		*	P	1	24	1.42
7440-36-0	ANTIMONY, TOTAL	0.19	U	N*	P	1	0.63	0.19
7440-38-2	ARSENIC, TOTAL	0.24	U	N*	P	1	0.63	0.24
7440-39-3	BARIUM, TOTAL	6.3		N*E	P	1	0.40	0.04
7440-41-7	BERYLLIUM, TOTAL	0.07	B	N*	P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.31	U	N*	P	1	0.79	0.31
7440-70-2	CALCIUM, TOTAL	317000		*	P	10	40	16.96
7440-47-3	CHROMIUM, TOTAL	1.6		N*	P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.35	U	N*	P	1	2.4	0.35
7440-50-8	COPPER, TOTAL	2.5		N*	P	1	2.0	0.15
7439-89-6	IRON, TOTAL	83.6		N*E	P	1	7.9	0.40
7439-92-1	LEAD, TOTAL	3.7		N	P	1	0.40	0.13
7439-95-4	MAGNESIUM, TOTAL	673		N*	P	1	4.0	1.96
7439-96-5	MANGANESE, TOTAL	1.4		N*	P	1	0.40	0.09
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.034	0.01
7440-02-0	NICKEL, TOTAL	1.2	B	N*	P	1	3.2	0.86
7440-09-7	POTASSIUM, TOTAL	18.86	U	*	P	1	79	18.86
7782-49-2	SELENIUM, TOTAL	0.29	U	N*	P	1	0.79	0.29
7440-22-4	SILVER, TOTAL	0.23	U	N	P	1	1.2	0.23
7440-23-5	SODIUM, TOTAL	1090		N*	P	1	79	1.51
7440-28-0	THALLIUM, TOTAL	0.48	B	N*	P	1	1.2	0.32
7440-31-5	TIN, TOTAL	2.4	B	N	P	1	7.9	0.14
7440-62-2	VANADIUM, TOTAL	1.3	B	N*	P	1	2.0	0.33
7440-66-6	ZINC, TOTAL	2.9		N*	P	1	2.0	0.11

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-09WN-24-0804

Matrix: SOIL **SDG Name:** CTO351-9

Percent Solids: 92.0 **Lab Sample ID:** WU2452-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	114		*	P	1	29	1.72
7440-36-0	ANTIMONY, TOTAL	0.23	U	N*	P	1	0.77	0.23
7440-38-2	ARSENIC, TOTAL	0.29	U	N*	P	1	0.77	0.29
7440-39-3	BARIUM, TOTAL	6.3		N*E	P	1	0.48	0.05
7440-41-7	BERYLLIUM, TOTAL	0.08	B	N*	P	1	0.48	0.03
7440-43-9	CADMIUM, TOTAL	0.38	U	N*	P	1	0.96	0.38
7440-70-2	CALCIUM, TOTAL	396000		*	P	10	48	20.59
7440-47-3	CHROMIUM, TOTAL	2.0		N*	P	1	1.4	0.08
7440-48-4	COBALT, TOTAL	0.42	U	N*	P	1	2.9	0.42
7440-50-8	COPPER, TOTAL	1.6	B	N*	P	1	2.4	0.18
7439-89-6	IRON, TOTAL	62.4		N*E	P	1	9.6	0.49
7439-92-1	LEAD, TOTAL	1.3		N	P	1	0.48	0.16
7439-95-4	MAGNESIUM, TOTAL	789		N*	P	1	4.8	2.38
7439-96-5	MANGANESE, TOTAL	2.6		N*	P	1	0.48	0.11
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.027	0.01
7440-02-0	NICKEL, TOTAL	1.04	U	N*	P	1	3.8	1.04
7440-09-7	POTASSIUM, TOTAL	42.0	B	*	P	1	96	22.90
7782-49-2	SELENIUM, TOTAL	0.36	U	N*	P	1	0.96	0.36
7440-22-4	SILVER, TOTAL	0.27	U	N	P	1	1.4	0.27
7440-23-5	SODIUM, TOTAL	1180		N*	P	1	96	1.84
7440-28-0	THALLIUM, TOTAL	0.39	U	N*	P	1	1.4	0.39
7440-31-5	TIN, TOTAL	2.6	B	N	P	1	9.6	0.17
7440-62-2	VANADIUM, TOTAL	1.5	B	N*	P	1	2.4	0.40
7440-66-6	ZINC, TOTAL	2.3	B	N*	P	1	2.4	0.14

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

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ANALYTICAL SERVICES

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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2452-1
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: CTO351-9

Sample Description	Matrix	Date Sampled	Date Received
C03V-05W-06-0804	SL	10-AUG-04	11-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9165	12-AUG-04	KGT	CLP SOW 788	11-AUG-04	JF	

140 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2452-2
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: CTO351-9

Sample Description	Matrix	Date Sampled	Date Received
C03V-05W-12-0804	SL	10-AUG-04	11-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9165	12-AUG-04	KGT	CLP SOW 788	11-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2452-3
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: CTO351-9

Sample Description	Matrix	Date Sampled	Date Received
C03V-05W-24-0804	SL	10-AUG-04	11-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	90. %	.1	CLP SOW 788	WG9165	12-AUG-04	KGT	CLP SOW 788	11-AUG-04	JF	

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2452-4
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: CTO351-9

Sample Description	Matrix	Date Sampled	Date Received
C03V-09WN-06-0804	SL	10-AUG-04	11-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9165	12-AUG-04	KGT	CLP SOW 788	11-AUG-04	JF	

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2452-5
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: CTO351-9

Sample Description	Matrix	Date Sampled	Date Received
C03V-09WN-12-0804	SL	10-AUG-04	11-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	90. %	.1	CLP SOW 788	WG9165	12-AUG-04	KGT	CLP SOW 788	11-AUG-04	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2452-6
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: CTO351-9

Sample Description	Matrix	Date Sampled	Date Received
C03V-09WN-24-0804	SL	10-AUG-04	11-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	92. %	.1	CLP SOW 788	WG9165	12-AUG-04	KGT	CLP SOW 788	11-AUG-04	JF	

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

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG 3519

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-05W-12-0804	WU2452-002	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
HG	MG/KG	C03V-05W-24-0804	WU2452-003	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
HG	MG/KG	C03V-09WN-06-0804	WU2452-004	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
HG	MG/KG	C03V-09WN-12-0804	WU2452-005	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
HG	MG/KG	C03V-09WN-24-0804	WU2452-006	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
HG	MG/KG	C03V-05W-06-0804	WU2452-001	NM	08/10/2004	08/15/2004	08/16/2004	5	1	6
M	MG/KG	C03V-05W-12-0804	WU2452-002	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
M	MG/KG	C03V-09WN-12-0804	WU2452-005	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21
M	MG/KG	C03V-09WN-12-0804	WU2452-005	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
M	MG/KG	C03V-09WN-06-0804	WU2452-004	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21
M	MG/KG	C03V-09WN-06-0804	WU2452-004	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
M	MG/KG	C03V-05W-24-0804	WU2452-003	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21
M	MG/KG	C03V-09WN-24-0804	WU2452-006	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
M	MG/KG	C03V-05W-12-0804	WU2452-002	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21
M	MG/KG	C03V-09WN-24-0804	WU2452-006	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-05W-06-0804	WU2452-001	NM	08/10/2004	08/20/2004	08/31/2004	10	11	21
M	MG/KG	C03V-05W-06-0804	WU2452-001	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
M	MG/KG	C03V-05W-24-0804	WU2452-003	NM	08/10/2004	08/20/2004	08/24/2004	10	4	14
TS	%	C03V-09WN-12-0804	WU2452-5	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-09WN-06-0804	WU2452-4	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-09WN-24-0804	WU2452-6	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-05W-24-0804	WU2452-3	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-05W-12-0804	WU2452-2	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
TS	%	C03V-05W-06-0804	WU2452-1	NM	08/10/2004	08/11/2004	08/12/2004	1	1	2
PCB	%	C03V-05W-12-0804	WU2452-2DL	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	%	C03V-05W-24-0804	WU2452-3RA	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	%	C03V-09WN-06-0804	WU2452-4	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6
PCB	%	C03V-09WN-12-0804	WU2452-5	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6
PCB	%	C03V-09WN-24-0804	WU2452-6	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6
PCB	%	C03V-05W-06-0804	WU2452-1DL	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	UG/KG	C03V-05W-24-0804	WU2452-3RA	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	UG/KG	C03V-09WN-24-0804	WU2452-6	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6
PCB	UG/KG	C03V-09WN-06-0804	WU2452-4	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-05W-12-0804	WU2452-2DL	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	UG/KG	C03V-05W-06-0804	WU2452-1DL	NM	08/10/2004	08/11/2004	08/17/2004	1	6	7
PCB	UG/KG	C03V-09WN-12-0804	WU2452-5	NM	08/10/2004	08/11/2004	08/16/2004	1	5	6

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

A

Client	Contact	Phone #	Fax #
Tetra Tech NUS	Chuck Bryan	(803) 649-7963	(803) 649-8454

Address: 900 Trail Ridge Rd City: Aiken State: SC Zip Code: 29803

Purchase Order # Proj. Name / No. Katahdin Quote #

Bill (if different than above) Address

Sampler (Print / Sign) Copies To:

LAB USE ONLY WORK ORDER #: WU2452
KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL Metals	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	~~C03V-5F-0804~~	~~10 Aug 04 /~~												
	C03V-05W-06-0804	10 Aug 04 / 1116	SO	1	X ✓	X								
	C03V-05W-12-0804	/ 1118			✓	✓								
	C03V-05W-24-0804	/ 1120												
	C03V-05W-24-0804MS	/ 1120												
	C03V-05W-24-0804MSD	/ 1120												
	C03V-09WN-06-0804	/ 1125			✓									
	C03V-09WN-12-0804	/ 1127			✓									
	C03V-09WN-24-0804	/ 1130			✓									
		/												
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS

14 day turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10 Aug 04 2:48 PM	[signature]	8/11/04 0850		
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

S-COC1

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST; SDG: CTO351-9
WU2452
TASK ORDER MANAGER: CHARLES BRYAN

Sample Receipt

The following samples were received on August 11, 2004 and were logged in under Katahdin Analytical Services work order number WU2452 for a hardcopy due date of September 6, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2452-1	C03V-05W-06-0804
WU2452-2	C03V-05W-12-0804
WU2452-3	C03V-05W-24-0804
WU2452-4	C03V-09WN-06-0804
WU2452-5	C03V-09WN-12-0804
WU2452-6	C03V-09WN-24-0804

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

The samples of SDG CTO351-9 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

The calibration verification standards (CV) (files 6UH2177, 6UH2195 and 6UH2231) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The CV's (files 6UH4002 and 6UH4027) had high responses for TCX on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The matrix spike duplicate, WG9146-4 had a high recovery for the spiked analyte Aroclor 1260, which was outside of the laboratory established acceptance limits. The matrix spike sample, WG9146-3 had an acceptable recovery. This resulted in an RPD for the matrix spike duplicates that was above the acceptance limit of 50%.

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

Metals Analysis

The samples of Katahdin SDG CTO351-9 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)

Soil-matrix Katahdin Sample Nos. WU2452-(1-6) were digested for ICP analysis on 08/20/04 (QC Batch UH20ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2452-3 was prepared with duplicate matrix-spiked aliquots.

The measured calcium concentration (0.0898 mg/L, corresponding to a dry-weight concentration of 8.98 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of SDG CTO351-9 sample digestates were performed using a Thermo Jarrell Ash (TJA) and a TJA 61E ICP spectrometer in accordance with USEPA Method 6010B. ICP-MS analyses of SDG CTO351-9 sample digestates were performed using an Agilent 7500 ICP-MS spectrometer in accordance with USEPA Method 6020. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

The ICSAB analyzed at 14:02 in run ID AUH31A did not have the correct sample in the autosampler cup. The cup was removed and the correct ICSAB was placed in the position and analyzed immediately after at 14:09.

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)

Soil-matrix Katahdin Sample Nos. WU2452-(1-6) were digested for mercury analysis on 08/15/04 (QC Batch UH15HGS0) in accordance with USEPA Method 7471A. Sample No. WU2452-3 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin SDG CTO351-9 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for most metals in the matrix-spike of Katahdin Sample No. WU2452-3 are outside the laboratory's acceptance limits. The recoveries for Be, Fe, Mg, Ag and Na in the matrix-spike duplicate of Katahdin Sample No. WU2452-3 are outside the laboratory's acceptance limits.

The matrix-spike duplicate analysis of Katahdin Sample No. WU2452-3 exceeds the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for most metals.

Per client request, this data is provided in the enclosed package. The matrix spike and matrix spike duplicate will be redigested and provided as an addendum to the original report when the results are available.

The serial dilution analysis of Katahdin Sample No. WU2452-3 exceeds the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for barium and iron.

Wet Chemistry Analysis

The samples of SDG CTO351-9 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

María Crouch
09.03.04
María Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: CTO351-9 **SOW No.** SW846

Client Field ID	Lab Sample ID
C03V-05W-06-0804	WU2452-001
C03V-05W-12-0804	WU2452-002
C03V-05W-24-0804	WU2452-003
C03V-05W-24-0804	WU2452-003P
C03V-05W-24-0804	WU2452-003S
C03V-09WN-06-0804	WU2452-004
C03V-09WN-12-0804	WU2452-005
C03V-09WN-24-0804	WU2452-006

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: Deborah J. Nadeau Name: Deborah J. Nadeau

Date: 9.3.04 Title: Lab Operations Manager

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: ICV

File: AUH31A Aug 31, 2004 13:10

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19096.50	95.5
ANTIMONY	600.0	584.25	97.4
ARSENIC	600.0	611.85	102.0
CALCIUM	20000.0	20902.66	104.5
CHROMIUM	500.0	510.24	102.0
IRON	20000.0	20403.65	102.0
LEAD	550.0	572.91	104.2
MAGNESIUM	20000.0	20922.17	104.6
SELENIUM	550.0	542.60	98.7
THALLIUM	600.0	608.14	101.4
TIN	500.0	517.59	103.5

SAMPLE: CCV

File: AUH31A Aug 31, 2004 14:18

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48200.61	96.4
ANTIMONY	1000.0	1012.77	101.3
ARSENIC	1000.0	1016.52	101.7
CALCIUM	50000.0	51174.38	102.3
CHROMIUM	1000.0	1021.30	102.1
IRON	20000.0	20122.68	100.6
LEAD	1000.0	1022.76	102.3
MAGNESIUM	50000.0	51175.04	102.4
SELENIUM	1000.0	1013.63	101.4
THALLIUM	1000.0	1017.60	101.8
TIN	1000.0	1026.96	102.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH20ICS0

Matrix: SOIL **SDG Name:** CTO351-9

QC Batch ID: UH20ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ALUMINUM	3.635	B
ANTIMONY	0.043	B
ARSENIC	0.022	B
BARIUM	0.050	U
BERYLLIUM	0.030	U
CADMIUM	0.400	U
CALCIUM	8.981	
CHROMIUM	0.186	B
COBALT	0.440	U
COPPER	-0.294	B
IRON	1.092	B
LEAD	0.283	B
MAGNESIUM	-2.930	B
MANGANESE	0.120	U
NICKEL	1.080	U
POTASSIUM	-34.102	B
SELENIUM	-0.014	B
SILVER	0.280	U
SODIUM	8.389	B
THALLIUM	0.281	B
TIN	3.067	B
VANADIUM	-0.718	B
ZINC	0.639	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH15HGS0

Matrix: SOIL **SDG Name:** CTO351-9

QC Batch ID: UH15HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: ICB

File: AUH31A Aug 31, 2004 13:17

Analyte	Result	C
ALUMINUM	33.83	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	4.55	B
CHROMIUM	0.82	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 14:24

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	3.13	U
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 15:45

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	3.13	U
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: CCB

File: AUH31A Aug 31, 2004 17:05

Analyte	Result	C
ALUMINUM	-26.15	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	4.09	B
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 18:30

Analyte	Result	C
ALUMINUM	-76.35	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	12.35	B
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.47	B
TIN	1.79	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: ICB

File: BUH23A Aug 23, 2004 15:06

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	-1.21	B
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	2.84	U
SODIUM	19.10	U
VANADIUM	-4.84	B
ZINC	1.44	U

SAMPLE: CCB

File: BUH23A Aug 23, 2004 15:40

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.71	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	2.84	U
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH23A Aug 23, 2004 16:47

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-3.98	B
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-508.14	B
SILVER	-3.05	B
SODIUM	19.10	U
VANADIUM	-4.84	B
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: CCB
File: BUH23A Aug 23, 2004 17:55

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-3.86	B
IRON	5.69	B
MAGNESIUM	-24.70	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-474.38	B
SILVER	2.84	U
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB
File: BUH23A Aug 23, 2004 19:04

Analyte	Result	C
ALUMINUM	44.98	B
BARIUM	0.53	U
BERYLLIUM	0.64	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	12.33	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	2.84	U
SODIUM	59.58	B
VANADIUM	4.14	U
ZINC	2.86	B

SAMPLE: CCB
File: BUH23A Aug 23, 2004 20:11

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.36	B
CADMIUM	3.97	U
CALCIUM	-34.25	B
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-440.54	B
SILVER	2.84	U
SODIUM	38.44	B
VANADIUM	-4.93	B
ZINC	2.00	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: CCB

File: BUH23A Aug 23, 2004 21:19

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-5.12	B
IRON	5.05	U
MAGNESIUM	-39.83	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-977.79	B
SILVER	-4.57	B
SODIUM	49.83	B
VANADIUM	-4.84	B
ZINC	1.94	B

SAMPLE: CCB

File: BUH23A Aug 23, 2004 22:27

Analyte	Result	C
ALUMINUM	21.06	B
BARIUM	0.53	U
BERYLLIUM	0.34	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-2.46	B
IRON	5.75	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-405.80	B
SILVER	2.84	U
SODIUM	51.15	B
VANADIUM	4.14	U
ZINC	3.13	B

SAMPLE: CCB

File: BUH23A Aug 23, 2004 23:34

Analyte	Result	C
ALUMINUM	37.00	B
BARIUM	0.53	U
BERYLLIUM	0.71	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	12.57	B
MAGNESIUM	35.96	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	389.28	B
SILVER	2.84	U
SODIUM	43.55	B
VANADIUM	4.14	U
ZINC	3.82	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: CCB

File: BUH23A Aug 24, 2004 0:42

Analyte	Result	C
ALUMINUM	18.33	B
BARIUM	0.53	U
BERYLLIUM	0.55	B
CADMIUM	3.97	U
CALCIUM	-22.00	B
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	279.23	B
SILVER	2.84	U
SODIUM	52.39	B
VANADIUM	-6.46	B
ZINC	4.01	B

SAMPLE: CCB

File: BUH23A Aug 24, 2004 1:22

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.41	B
CADMIUM	3.97	U
CALCIUM	-27.26	B
COBALT	4.36	U
COPPER	-3.49	B
IRON	5.05	U
MAGNESIUM	-29.27	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-588.48	B
SILVER	-5.52	B
SODIUM	37.59	B
VANADIUM	-4.93	B
ZINC	2.64	B

SAMPLE: CCB

File: BUH23A Aug 24, 2004 2:18

Analyte	Result	C
ALUMINUM	47.79	B
BARIUM	0.53	U
BERYLLIUM	0.69	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	8.82	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	367.50	B
SILVER	2.84	U
SODIUM	66.62	B
VANADIUM	4.14	U
ZINC	3.57	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: ICB

File: BUH24A Aug 24, 2004 16:07

Analyte	Result	C
ALUMINUM	43.07	B
BARIUM	0.60	B
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	2.85	B
IRON	5.05	U
MAGNESIUM	29.39	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	840.76	B
SILVER	7.43	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 16:41

Analyte	Result	C
ALUMINUM	34.58	B
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	3.71	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 17:12

Analyte	Result	C
ALUMINUM	53.27	B
BARIUM	1.00	B
BERYLLIUM	0.31	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	7.58	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	248.87	B
SILVER	4.79	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: CCB

File: BUH24A Aug 24, 2004 18:20

Analyte	Result	C
ALUMINUM	55.70	B
BARIUM	1.00	B
BERYLLIUM	0.32	B
CADMIUM	3.97	U
CALCIUM	32.68	B
COBALT	4.36	U
COPPER	1.91	U
IRON	7.22	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	7.86	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 19:28

Analyte	Result	C
ALUMINUM	46.01	B
BARIUM	1.00	B
BERYLLIUM	0.42	B
CADMIUM	3.97	U
CALCIUM	24.25	B
COBALT	4.36	U
COPPER	1.91	U
IRON	10.06	B
MAGNESIUM	37.51	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	324.16	B
SILVER	4.79	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 20:35

Analyte	Result	C
ALUMINUM	58.37	B
BARIUM	0.81	B
BERYLLIUM	0.68	B
CADMIUM	3.97	U
CALCIUM	29.55	B
COBALT	4.36	U
COPPER	1.91	U
IRON	11.90	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-291.75	B
SILVER	6.37	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: CCB

File: BUH24A Aug 24, 2004 21:43

Analyte	Result	C
ALUMINUM	31.71	B
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	3.94	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 22:51

Analyte	Result	C
ALUMINUM	33.96	B
BARIUM	0.60	B
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-2.28	B
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-362.67	B
SILVER	4.80	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 23:58

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.33	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	8.05	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	2.84	U
SODIUM	-24.03	B
VANADIUM	4.14	U
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: ICB

File: BUH25A Aug 25, 2004 15:32

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U

SAMPLE: CCB

File: BUH25A Aug 25, 2004 16:06

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	31.18	B

SAMPLE: CCB

File: BUH25A Aug 25, 2004 17:13

Analyte	Result	C
ALUMINUM	27.29	B
CALCIUM	33.21	B
IRON	10.96	B
MAGNESIUM	46.82	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: CCB

File: BUH25A Aug 25, 2004 18:23

Analyte	Result	C
ALUMINUM	29.81	B
CALCIUM	30.48	B
IRON	13.60	B
MAGNESIUM	48.67	B

SAMPLE: CCB

File: BUH25A Aug 25, 2004 19:31

Analyte	Result	C
ALUMINUM	42.28	B
CALCIUM	41.30	B
IRON	14.76	B
MAGNESIUM	42.18	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: ICB

File: FUH24A Aug 24, 2004 18:57

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.05	B
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	4.59	U
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	0.52	B
POTASSIUM	-14.15	B
SELENIUM	0.12	U
SODIUM	6.53	U
THALLIUM	0.10	U
TIN	0.03	U

SAMPLE: CCB

File: FUH24A Aug 24, 2004 20:07

Analyte	Result	C
ALUMINUM	5.06	B
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	5.36	B
LEAD	0.03	U
MAGNESIUM	7.87	B
MOLYBDENUM	3.04	B
POTASSIUM	4.57	U
SELENIUM	0.12	U
SODIUM	33.59	B
THALLIUM	0.14	B
TIN	0.03	U

SAMPLE: CCB

File: FUH24A Aug 24, 2004 20:22

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	4.59	U
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	1.38	B
POTASSIUM	-10.66	B
SELENIUM	0.12	U
SODIUM	18.56	B
THALLIUM	0.17	B
TIN	0.03	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: CCB

File: FUH24A Aug 24, 2004 21:32

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	6.54	B
LEAD	0.03	U
MAGNESIUM	5.48	B
MOLYBDENUM	0.48	B
POTASSIUM	-7.96	B
SELENIUM	0.12	U
SODIUM	8.37	B
THALLIUM	0.24	B
TIN	0.03	U

SAMPLE: CCB

File: FUH24A Aug 24, 2004 23:05

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	4.59	U
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	0.30	B
POTASSIUM	-10.73	B
SELENIUM	0.12	U
SODIUM	8.01	B
THALLIUM	0.22	B
TIN	0.03	U

SAMPLE: CCB

File: FUH24A Aug 25, 2004 0:38

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	4.59	U
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	0.24	B
POTASSIUM	-13.52	B
SELENIUM	-0.13	B
SODIUM	6.53	U
THALLIUM	0.23	B
TIN	0.03	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: CCB

File: FUH24A Aug 25, 2004 2:11

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	6.77	B
LEAD	0.03	U
MAGNESIUM	6.91	B
MOLYBDENUM	3.00	B
POTASSIUM	-5.37	B
SELENIUM	0.12	U
SODIUM	35.83	B
THALLIUM	0.23	B
TIN	0.03	U

SAMPLE: CCB

File: FUH24A Aug 25, 2004 3:45

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	4.59	U
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	0.39	B
POTASSIUM	-13.02	B
SELENIUM	0.12	U
SODIUM	9.45	B
THALLIUM	0.16	B
TIN	0.03	U

SAMPLE: CCB

File: FUH24A Aug 25, 2004 5:18

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	6.03	B
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	0.81	B
POTASSIUM	-15.27	B
SELENIUM	0.12	U
SODIUM	8.25	B
THALLIUM	0.31	B
TIN	0.04	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: CCB

File: FUH24A Aug 25, 2004 5:41

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	4.99	B
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	0.82	B
POTASSIUM	-16.52	B
SELENIUM	0.12	U
SODIUM	6.53	U
THALLIUM	0.28	B
TIN	0.04	B

SAMPLE: CCB

File: FUH24A Aug 25, 2004 6:27

Analyte	Result	C
ALUMINUM	6.52	B
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	9.91	B
LEAD	0.03	U
MAGNESIUM	7.91	B
MOLYBDENUM	8.29	B
POTASSIUM	-5.60	B
SELENIUM	0.12	U
SODIUM	44.43	B
THALLIUM	0.27	B
TIN	0.03	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Concentration Units: ug/L

SAMPLE: ICB

File: HUH16A Aug 16, 2004 10:51

Analyte	Result	C
MERCURY	-0.06	B

SAMPLE: CCB

File: HUH16A Aug 16, 2004 11:16

Analyte	Result	C
MERCURY	-0.06	B

SAMPLE: CCB

File: HUH16A Aug 16, 2004 11:39

Analyte	Result	C
MERCURY	-0.06	B

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	2.34	P
ARSENIC	8.0	3.03	P
CHROMIUM	15	0.80	P
LEAD	5.0	1.70	P
SELENIUM	10	3.71	P
THALLIUM	15	4.09	P
TIN	100	1.79	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	17.90	P
BARIUM	5.0	0.53	P
BERYLLIUM	5.0	0.27	P
CADMIUM	10	3.97	P
CALCIUM	50	21.40	P
COBALT	30	4.36	P
COPPER	25	1.91	P
IRON	100	5.05	P
MAGNESIUM	50	24.70	P
MANGANESE	5.0	1.17	P
NICKEL	40	10.80	P
POTASSIUM	1000	238.00	P
SILVER	15	2.84	P
SODIUM	1000	19.10	P
VANADIUM	25	4.14	P
ZINC	25	1.44	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** F

Instrument Name: AGILENT 7500 ICP-MS **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	0.02	MS
ARSENIC	8.0	0.15	MS
CHROMIUM	15	0.26	MS
LEAD	5.0	0.03	MS
SELENIUM	10	0.12	MS
THALLIUM	15	0.10	MS
TIN	100	0.03	MS

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 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
TIN	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
TIN	0.10	1000	MS
VANADIUM	0.10	1000	MS
ZINC	0.10	250	MS

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH15HGS0

Matrix: SOIL **SDG Name:** CTO351-9

Method: CV **Prep Date:** 08/15/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH15HGS0	LCSOUH15HGS0	0.6	0.1
PBSUH15HGS0	PBSUH15HGS0	0.6	0.1
C03V-05W-06-0804	WU2452-001	0.68	0.1
C03V-05W-12-0804	WU2452-002	0.67	0.1
C03V-05W-24-0804	WU2452-003	0.71	0.1
C03V-05W-24-0804P	WU2452-003P	0.67	0.1
C03V-05W-24-0804S	WU2452-003S	0.68	0.1
C03V-09WN-06-0804	WU2452-004	0.7	0.1
C03V-09WN-12-0804	WU2452-005	0.66	0.1
C03V-09WN-24-0804	WU2452-006	0.81	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH20ICS0

Matrix: SOIL **SDG Name:** CTO351-9

Method: P **Prep Date:** 08/20/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH20ICS0	LCSOUH20ICS0	1	0.1
PBSUH20ICS0	PBSUH20ICS0	1	0.1
C03V-05W-06-0804	WU2452-001	1.35	0.1
C03V-05W-12-0804	WU2452-002	1.24	0.1
C03V-05W-24-0804	WU2452-003	1.47	0.1
C03V-05W-24-0804P	WU2452-003P	1.47	0.1
C03V-05W-24-0804S	WU2452-003S	1.48	0.1
C03V-09WN-06-0804	WU2452-004	1.17	0.1
C03V-09WN-12-0804	WU2452-005	1.4	0.1
C03V-09WN-24-0804	WU2452-006	1.13	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: TJA TRACE ICP **File Name:** AUH31A

Date: 8/31/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
S0		1	12:27	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
S1		1	12:34	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
AL IEC		1	12:43	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
FE IEC		1	12:50	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
MN IEC		1	12:57	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
IEC		1	13:03	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
ICV		1	13:10	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
ICB		1	13:17	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
PQL		1	13:24	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
CRI		1	13:30	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
ICSA		1	13:37	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
ICSAB		1	14:02	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
ICSAB		1	14:09	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
CCV		1	14:18	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	14:24	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
ZZZZZZ		1	14:31											
ZZZZZZ		1	14:38											
ZZZZZZ		1	14:44											
ZZZZZZ		5	14:51											
ZZZZZZ		1	14:58											
ZZZZZZ		1	15:04											
ZZZZZZ		1	15:11											
ZZZZZZ		1	15:18											
ZZZZZZ		1	15:24											
ZZZZZZ		1	15:31											
CCV		1	15:38	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	15:45	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
ZZZZZZ		1	15:51											
ZZZZZZ		1	15:58											
WU2452-001	C03V-05W-06-0804	1	16:05		Sb	As		Cr		Pb		Se	Tl	Sn
WU2452-002	C03V-05W-12-0804	1	16:11		Sb	As		Cr		Pb		Se	Tl	Sn
WU2452-003	C03V-05W-24-0804	1	16:18		Sb	As		Cr		Pb		Se	Tl	Sn
WU2452-003L	C03V-05W-24-0804L	5	16:25		Sb	As		Cr		Pb		Se	Tl	Sn
WU2452-003P	C03V-05W-24-0804P	1	16:31		Sb	As		Cr		Pb		Se	Tl	Sn
WU2452-003S	C03V-05W-24-0804S	1	16:38		Sb	As		Cr		Pb		Se	Tl	Sn
WU2452-004	C03V-09WN-06-0804	1	16:45		Sb	As		Cr		Pb		Se	Tl	Sn
WU2452-005	C03V-09WN-12-0804	1	16:51		Sb	As		Cr		Pb		Se	Tl	Sn
CCV		1	16:58	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	17:05	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
WU2452-006	C03V-09WN-24-0804	1	17:12		Sb	As		Cr		Pb		Se	Tl	Sn
ZZZZZZ		1	17:18											
ZZZZZZ		1	17:25											
ZZZZZZ		1	17:32											
ZZZZZZ		1	17:43											
ZZZZZZ		1	17:50											
ZZZZZZ		1	17:56											
CRI		1	18:03	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
ICSA		1	18:10	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
ICSAB		1	18:16	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn
CCV		1	18:23	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: TJA TRACE ICP **File Name:** AUH31A

Date: 8/31/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements											
CCB		1	18:30	Al	Sb	As		Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: TJA 61 ICP **File Name:** BUH23A

Date: 8/23/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
S0		1	14:32	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
S1		1	14:38	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
AL IEC		1	14:43	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
FE IEC		1	14:52	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICV		1	15:00	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICB		1	15:06	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
PQL		1	15:11	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CRI		1	15:17	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICSA		1	15:23	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICSAB		1	15:28	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCV		1	15:34	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCB		1	15:40	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ZZZZZZ		1	15:45										
ZZZZZZ		1	15:51										
ZZZZZZ		1	15:56										
ZZZZZZ		1	16:02										
ZZZZZZ		1	16:08										
ZZZZZZ		1	16:13										
ZZZZZZ		1	16:19										
ZZZZZZ		1	16:25										
ZZZZZZ		1	16:30										
ZZZZZZ		1	16:36										
CCV		1	16:41	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCB		1	16:47	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ZZZZZZ		1	16:53										
ZZZZZZ		1	16:58										
ZZZZZZ		1	17:04										
ZZZZZZ		1	17:10										
ZZZZZZ		1	17:15										
ZZZZZZ		1	17:21										
ZZZZZZ		1	17:27										
ZZZZZZ		1	17:32										
ZZZZZZ		1	17:38										
ZZZZZZ		1	17:43										
CCV		1	17:49	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCB		1	17:55	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ZZZZZZ		1	18:00										
ZZZZZZ		1	18:06										
ZZZZZZ		1	18:13										
ZZZZZZ		1	18:19										
ZZZZZZ		5	18:24										
ZZZZZZ		1	18:30										
ZZZZZZ		1	18:36										
CRI		1	18:41	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICSA		1	18:47	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICSAB		1	18:52	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCV		1	18:58	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCB		1	19:04	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ZZZZZZ		1	19:09										
ZZZZZZ		1	19:15										

Elements									
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn
Ni	K	Ag	Na	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: TJA 61 ICP **File Name:** BUH23A

Date: 8/23/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
ZZZZZZ		1	19:21									
ZZZZZZ		1	19:26									
ZZZZZZ		10	19:32									
ZZZZZZ		10	19:38									
ZZZZZZ		10	19:43									
ZZZZZZ		10	19:49									
ZZZZZZ		10	19:54									
ZZZZZZ		10	20:00									
CCV		1	20:06	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
CCB		1	20:11	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
ZZZZZZ		10	20:17									
ZZZZZZ		10	20:23									
ZZZZZZ		10	20:28									
ZZZZZZ		10	20:34									
ZZZZZZ		10	20:40									
ZZZZZZ		10	20:45									
ZZZZZZ		10	20:51									
ZZZZZZ		50	20:56									
ZZZZZZ		10	21:02									
ZZZZZZ		10	21:08									
CCV		1	21:13	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
CCB		1	21:19	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
ZZZZZZ		10	21:25									
ZZZZZZ		10	21:30									
ZZZZZZ		10	21:36									
ZZZZZZ		10	21:42									
ZZZZZZ		1	21:47									
ZZZZZZ		1	21:53									
ZZZZZZ		1	21:59									
CRI		1	22:04	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
ICSA		1	22:10	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
ICSAB		1	22:15	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
CCV		1	22:21	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
CCB		1	22:27	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
ZZZZZZ		5	22:32									
ZZZZZZ		1	22:38									
ZZZZZZ		1	22:44									
ZZZZZZ		1	22:49									
ZZZZZZ		1	22:55									
ZZZZZZ		1	23:01									
ZZZZZZ		1	23:06									
ZZZZZZ		1	23:12									
ZZZZZZ		1	23:18									
ZZZZZZ		5	23:23									
CCV		1	23:29	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
CCB		1	23:34	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V	Zn
ZZZZZZ		1	23:40									
ZZZZZZ		1	23:46									
ZZZZZZ		1	23:51									
ZZZZZZ		1	23:57									
ZZZZZZ		1	0:03									

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: TJA 61 ICP **File Name:** BUH23A

Date: 8/24/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements											
ZZZZZZ		1	0:08												
ZZZZZZ		1	0:14												
ZZZZZZ		1	0:20												
ZZZZZZ		1	0:25												
ZZZZZZ		1	0:31												
CCV		1	0:37	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	0:42	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		1	0:48																
ZZZZZZ		1	0:54																
ZZZZZZ		1	0:59																
ZZZZZZ		1	1:05																
ZZZZZZ		1	1:10																
CCV		1	1:16	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	1:22	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
PBSUH20ICS0		1	1:27	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
LCSOUH20ICS0		1	1:33	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		1	1:39																
ZZZZZZ		1	1:44																
ZZZZZZ		1	1:50																
CRI		1	1:56	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSA		1	2:01	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSAB		1	2:07	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCV		1	2:13	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	2:18	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: TJA 61 ICP **File Name:** BUH24A

Date: 8/24/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements										
S0		1	15:34	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
S1		1	15:39	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
AL IEC		1	15:45	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
FE IEC		1	15:53	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICV		1	16:02	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICB		1	16:07	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
PQL		1	16:13	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CRI		1	16:19	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSA		1	16:24	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSAB		1	16:30	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCV		1	16:35	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	16:41	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		10	16:47																
ZZZZZZ		10	16:52																
ZZZZZZ		10	16:58																
CCV		1	17:07	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	17:12	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		10	17:18																
ZZZZZZ		10	17:24																
ZZZZZZ		10	17:29																
ZZZZZZ		10	17:35																
WU2452-001	C03V-05W-06-0804	1	17:41	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WU2452-002	C03V-05W-12-0804	1	17:46	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WU2452-003	C03V-05W-24-0804	1	17:52	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WU2452-003L	C03V-05W-24-0804L	5	17:57	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WU2452-003S	C03V-05W-24-0804S	1	18:03	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WU2452-003P	C03V-05W-24-0804P	1	18:09	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCV		1	18:14	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	18:20	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WU2452-004	C03V-09WN-06-0804	1	18:26	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WU2452-005	C03V-09WN-12-0804	1	18:31	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
WU2452-006	C03V-09WN-24-0804	1	18:37	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		1	18:43																
ZZZZZZ		1	18:48																
ZZZZZZ		1	18:54																
ZZZZZZ		1	18:59																
ZZZZZZ		5	19:05																
ZZZZZZ		1	19:11																
ZZZZZZ		1	19:16																
CCV		1	19:22	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	19:28	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		1	19:33																
ZZZZZZ		1	19:39																
ZZZZZZ		1	19:45																
ZZZZZZ		1	19:50																
ZZZZZZ		1	19:56																
ZZZZZZ		1	20:01																
ZZZZZZ		1	20:07																
CRI		1	20:13	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSA		1	20:18	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: TJA 61 ICP **File Name:** BUH24A

Date: 8/24/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
ICSAB		1	20:24	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCV		1	20:30	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	20:35	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		1	20:41										
ZZZZZZ		1	20:47										
ZZZZZZ		1	20:52										
ZZZZZZ		1	20:58										
ZZZZZZ		1	21:03										
ZZZZZZ		1	21:09										
ZZZZZZ		5	21:15										
ZZZZZZ		1	21:20										
ZZZZZZ		1	21:26										
ZZZZZZ		1	21:32										
CCV		1	21:37	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	21:43	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		1	21:49										
ZZZZZZ		1	21:54										
ZZZZZZ		1	22:00										
ZZZZZZ		1	22:05										
ZZZZZZ		1	22:11										
ZZZZZZ		1	22:17										
ZZZZZZ		1	22:22										
ZZZZZZ		1	22:28										
WU2452-001	C03V-05W-06-0804	10	22:34			Ca							
WU2452-002	C03V-05W-12-0804	10	22:39			Ca							
CCV		1	22:45	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	22:51	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
WU2452-003	C03V-05W-24-0804	10	22:56			Ca							
WU2452-003L	C03V-05W-24-0804L	50	23:02			Ca							
ZZZZZZ		10	23:08										
ZZZZZZ		10	23:13										
WU2452-004	C03V-09WN-06-0804	10	23:19			Ca							
WU2452-005	C03V-09WN-12-0804	10	23:24			Ca							
WU2452-006	C03V-09WN-24-0804	10	23:30			Ca							
CRI		1	23:36	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ICSA		1	23:41	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ICSAB		1	23:47	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCV		1	23:53	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	23:58	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: TJA 61 ICP **File Name:** BUH25A

Date: 8/25/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	14:58	Al	Ca	Fe	Mg
S1		1	15:04	Al	Ca	Fe	Mg
AL IEC		1	15:10	Al	Ca	Fe	Mg
FE IEC		1	15:18	Al	Ca	Fe	Mg
ICV		1	15:26	Al	Ca	Fe	Mg
ICB		1	15:32	Al	Ca	Fe	Mg
PQL		1	15:38	Al	Ca	Fe	Mg
CRI		1	15:43	Al	Ca	Fe	Mg
ICSA		1	15:49	Al	Ca	Fe	Mg
ICSAB		1	15:54	Al	Ca	Fe	Mg
CCV		1	16:00	Al	Ca	Fe	Mg
CCB		1	16:06	Al	Ca	Fe	Mg
ZZZZZZ		1	16:11				
ZZZZZZ		1	16:17				
ZZZZZZ		1	16:23				
ZZZZZZ		1	16:28				
ZZZZZZ		1	16:34				
ZZZZZZ		1	16:40				
ZZZZZZ		1	16:45				
ZZZZZZ		1	16:51				
ZZZZZZ		1	16:56				
ZZZZZZ		5	17:02				
CCV		1	17:08	Al	Ca	Fe	Mg
CCB		1	17:13	Al	Ca	Fe	Mg
ZZZZZZ		1	17:19				
ZZZZZZ		1	17:25				
ZZZZZZ		1	17:30				
ZZZZZZ		1	17:36				
ZZZZZZ		1	17:42				
ZZZZZZ		1	17:47				
ZZZZZZ		1	17:53				
ZZZZZZ		20	18:01				
ZZZZZZ		5	18:06				
WU2452-003S	C03V-05W-24-0804S	20	18:12		Ca		
CCV		1	18:18	Al	Ca	Fe	Mg
CCB		1	18:23	Al	Ca	Fe	Mg
WU2452-003P	C03V-05W-24-0804P	20	18:29		Ca		
ZZZZZZ		5	18:35				
ZZZZZZ		2	18:40				
ZZZZZZ		5	18:46				
ZZZZZZ		5	18:51				
ZZZZZZ		5	18:57				
ZZZZZZ		1	19:03				
CRI		1	19:08	Al	Ca	Fe	Mg
ICSA		1	19:14	Al	Ca	Fe	Mg
ICSAB		1	19:20	Al	Ca	Fe	Mg
CCV		1	19:25	Al	Ca	Fe	Mg
CCB		1	19:31	Al	Ca	Fe	Mg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FUH24A

Date: 8/24/04 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements								
Cal Blank		1	18:04	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Cal Std 1		1	18:11	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Cal Std 2		1	18:19	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Cal Std 3		1	18:27	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Cal Std 4		1	18:34	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Blank		1	18:42	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ICV		1	18:50	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ICB		1	18:57	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
PQL		1	19:05	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ZZZZZZ		1	19:13									
Blank		1	19:21	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CRI		5	19:28	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ICSA		1	19:36	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ICSAB		1	19:44	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Blank		1	19:52	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCV		1	19:59	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCB		1	20:07	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCV		1	20:15	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCB		1	20:22	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ZZZZZZ		5	20:30									
ZZZZZZ		10	20:38									
PBSUH20ICS0		5	20:46	Sb As	Cr	Pb		Se		Tl Sn		
LCSOUH20ICS0		10	20:53	Sb As	Cr	Pb		Se		Tl Sn		
ZZZZZZ		5	21:01									
ZZZZZZ		5	21:09									
ZZZZZZ		5	21:17									
CCV		1	21:24	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCB		1	21:32	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ZZZZZZ		5	21:40									
ZZZZZZ		10	21:48									
ZZZZZZ		1	21:55									
ZZZZZZ		5	22:03									
ZZZZZZ		5	22:11									
ZZZZZZ		5	22:19									
ZZZZZZ		10	22:26									
ZZZZZZ		10	22:34									
ZZZZZZ		5	22:42									
ZZZZZZ		5	22:50									
CCV		1	22:57	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCB		1	23:05	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ZZZZZZ		5	23:13									
ZZZZZZ		10	23:21									
ZZZZZZ		20	23:28									
ZZZZZZ		5	23:36									
ZZZZZZ		5	23:44									
ZZZZZZ		5	23:52									
ZZZZZZ		5	23:59									
ZZZZZZ		10	0:07									
ZZZZZZ		1	0:15									
ZZZZZZ		5	0:23									

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FUH24A

Date: 8/25/04 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements							
CCV		1	0:30	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
CCB		1	0:38	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
ZZZZZZ		5	0:46								
ZZZZZZ		5	0:54								
ZZZZZZ		5	1:01								
ZZZZZZ		25	1:09								
ZZZZZZ		10	1:17								
ZZZZZZ		10	1:25								
CRI		5	1:33	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
ICSA		1	1:40	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
ICSAB		1	1:48	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
Blank		1	1:56	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
CCV		1	2:03	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
CCB		1	2:11	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
ZZZZZZ		5	2:19								
ZZZZZZ		5	2:27								
ZZZZZZ		5	2:34								
ZZZZZZ		5	2:42								
ZZZZZZ		5	2:50								
ZZZZZZ		5	2:58								
ZZZZZZ		5	3:06								
ZZZZZZ		5	3:13								
ZZZZZZ		5	3:21								
ZZZZZZ		5	3:29								
CCV		1	3:37	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
CCB		1	3:45	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
ZZZZZZ		25	3:52								
ZZZZZZ		10	4:00								
ZZZZZZ		10	4:08								
ZZZZZZ		5	4:16								
ZZZZZZ		5	4:23								
ZZZZZZ		5	4:31								
ZZZZZZ		5	4:39								
ZZZZZZ		5	4:47								
ZZZZZZ		5	4:54								
ZZZZZZ		5	5:02								
CCV		1	5:10	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
CCB		1	5:18	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
ZZZZZZ		5	5:25								
CCV		1	5:33	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
CCB		1	5:41	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
CRI		5	5:49	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
ICSA		1	5:56	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
ICSAB		1	6:04	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
Blank		1	6:12	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
CCV		1	6:20	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	
CCB		1	6:27	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO351-9

Instrument ID: CETAC M6100 **File Name:** HUH16A

Date: 8/16/04 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	10:36	Hg
Standard #1 (0.2 p		1	10:38	Hg
Standard #2 (0.5 p		1	10:40	Hg
Standard #3 (1.0 p		1	10:42	Hg
Standard #4 (5.0 p		1	10:44	Hg
Standard #5 (10.0		1	10:46	Hg
ICV		1	10:48	HG
ICB		1	10:51	HG
CRA		1	10:53	HG
LCSOUH15HGS0		1	10:55	HG
PBSUH15HGS0		1	10:57	HG
WU2452-001	C03V-05W-06-0804	1	10:59	HG
WU2452-002	C03V-05W-12-0804	1	11:01	HG
WU2452-003	C03V-05W-24-0804	1	11:03	HG
WU2452-003P	C03V-05W-24-0804P	1	11:05	HG
WU2452-003S	C03V-05W-24-0804S	1	11:07	HG
WU2452-004	C03V-09WN-06-0804	1	11:10	HG
WU2452-005	C03V-09WN-12-0804	1	11:12	HG
CCV		1	11:14	HG
CCB		1	11:16	HG
WU2452-006	C03V-09WN-24-0804	1	11:18	HG
ZZZZZZ		1	11:20	
ZZZZZZ		1	11:22	
ZZZZZZ		1	11:24	
ZZZZZZ		1	11:27	
ZZZZZZ		1	11:29	
ZZZZZZ		1	11:31	
ZZZZZZ		1	11:33	
ZZZZZZ		1	11:35	
CCV		1	11:37	HG
CCB		1	11:39	HG

FORM XIV - IN

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**AUGUST 31, 2004**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- PCB CTO 349, NAS KEY WEST SDG WU2358**		
SAMPLES:	15/Soil		

C03V-06F-0804	C03V-06N-06-0804	C03V-06N-12-0804
C03V-06N-24-0804	C03V-06W-12-0804	C03V-06W-24-0804
C03V-07E-06-0804	C03V-07E-12-0804	C03V-07E-24-0804
C03V-07F-0804	C03V-07N-06-0804	C03V-07N-12-0804
C03V-07N-24-0804	C03V-DUP01-0804	C03V-DUP02-0804

OVERVIEW

The sample set for CTO 349, NAS Key West, SDG WU2358 consists of thirteen (13) environmental soil samples and two (2) field duplicates. All samples were analyzed for polychlorinated biphenyls (PCB). The field duplicate pair included in this SDG are (C03V-DUP01-0804 / C03V-07E-06-0804) and (C03V-DUP02-0804 / C03V-06N-06-0804).

The samples were collected by TetraTech NUS on August 3, 2004 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 SW-846 Method 8082 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
* • Initial and continuing calibration
• Laboratory method and field quality control blank results
* • Field duplicate precision
• 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. Results as reported by the laboratory are presented in Appendix B.

PCB

The field duplicate pair C03V-DUP02-0804 and C03V-06N-06-0804 exceeded the 50% relative percent difference quality control criterion for Aroclor 1260. Positive results for Aroclor 1260 were qualified as estimated (J) in the aforementioned samples.

Samples C03V-06F-0804, C03V-06N-06-0804, C03V-06W-24-0804, and C03V-DUP02-0804 were analyzed at dilutions because the concentration of Aroclor 1260 exceeded the linear calibration range of the instrument. The samples were not reported un-diluted. This accounts for the elevated reporting limits for all non-detected analytes in the aforementioned samples.

All surrogates were not recovered in samples C03V-06N-06-0804 and C03V-06F-0804. No qualifications were made on this basis because the surrogates were diluted out of the analyses.

Positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

Aroclor 1260 was detected in sample C03V-07E-06-0804 however, it was not detected in the corresponding field duplicate (C03V-DUP01-0804). Because the difference between results was <2X the reporting limit no action was taken.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: Qualifications were made based on 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. 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

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: 0693

SDG: WU2358 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-06F-0804	nsample	C03V-06N-06-0804	nsample	C03V-06N-12-0804
samp_date	8/3/2004	samp_date	8/3/2004	samp_date	8/3/2004
lab_id	WU2358-9REDL	lab_id	WU2358-11DL	lab_id	WU2358-12
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	76.9	Pct_Solids	95.5	Pct_Solids	92.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	440	U	
AROCLOR-1221	440	U	
AROCLOR-1232	440	U	
AROCLOR-1242	440	U	
AROCLOR-1248	440	U	
AROCLOR-1254	440	U	
AROCLOR-1260	37000		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	360	U	
AROCLOR-1221	360	U	
AROCLOR-1232	360	U	
AROCLOR-1242	360	U	
AROCLOR-1248	360	U	
AROCLOR-1254	360	U	
AROCLOR-1260	35000	J	G

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	320		

PROJ_NO: 0693

SDG: WU2358 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-06N-24-0804
samp_date	8/3/2004
lab_id	WU2358-13
qc_type	NM
units	UG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	930		

nsample	C03V-06W-12-0804
samp_date	8/3/2004
lab_id	WU2358-14
qc_type	NM
units	UG/KG
Pct_Solids	90.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	13	J	P
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	410		

nsample	C03V-06W-24-0804
samp_date	8/3/2004
lab_id	WU2358-15DL
qc_type	NM
units	UG/KG
Pct_Solids	89.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	57	U	
AROCLOR-1221	57	U	
AROCLOR-1232	57	U	
AROCLOR-1242	57	U	
AROCLOR-1248	57	U	
AROCLOR-1254	57	U	
AROCLOR-1260	4600		

PROJ_NO: 0693

SDG: WU2358 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-07E-06-0804	nsample	C03V-07E-12-0804	nsample	C03V-07E-24-0804
samp_date	8/3/2004	samp_date	8/3/2004	samp_date	8/3/2004
lab_id	WU2358-5	lab_id	WU2358-6	lab_id	WU2358-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	95.6	Pct_Solids	94.8	Pct_Solids	93.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	25		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

PROJ_NO: 0693

SDG: WU2358 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-07F-0804	nsample	C03V-07N-06-0804	nsample	C03V-07N-12-0804
samp_date	8/3/2004	samp_date	8/3/2004	samp_date	8/3/2004
lab_id	WU2358-8	lab_id	WU2358-1	lab_id	WU2358-2
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	93.7	Pct_Solids	93.6	Pct_Solids	93.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	38		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

PROJ_NO: 0693

SDG: WU2358 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-07N-24-0804	nsample	C03V-DUP01-0804	nsample	C03V-DUP02-0804
samp_date	8/3/2004	samp_date	8/3/2004	samp_date	8/3/2004
lab_id	WU2358-3	lab_id	WU2358-4	lab_id	WU2358-10DL
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	94.3	Pct_Solids	95.7	Pct_Solids	91.7
DUP_OF:		DUP_OF:	C03V-07E-06-0804	DUP_OF:	C03V-06N-06-0804

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	11	J	P
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	37	U	
AROCLOR-1221	37	U	
AROCLOR-1232	37	U	
AROCLOR-1242	37	U	
AROCLOR-1248	37	U	
AROCLOR-1254	37	U	
AROCLOR-1260	4300	J	G

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/05/04
Analysis Date: 08/09/04
Report Date: 08/19/2004
Matrix: SOIL
% Solids: 76.9

Lab ID: WU2358-9REDL
Client ID: C03V-06F-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	440	20	17	440	270
11104-28-2	Aroclor-1221	U	440	20	17	440	210
11141-16-5	Aroclor-1232	U	440	20	17	440	140
53469-21-9	Aroclor-1242	U	440	20	17	440	170
12672-29-6	Aroclor-1248	U	440	20	17	440	210
11097-69-1	Aroclor-1254	U	440	20	17	440	120
11096-82-5	Aroclor-1260		37000	20	17	440	220
877-09-8	Tetrachloro-m-xylene		D				
2051-24-3	Decachlorobiphenyl		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/05/04
Report Date: 08/06/2004
Matrix: SOIL
% Solids: 95.5

Lab ID: WU2358-11DL
Client ID: C03V-06N-06-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	360	20	17	360	220
11104-28-2	Aroclor-1221	U	360	20	17	360	170
11141-16-5	Aroclor-1232	U	360	20	17	360	110
53469-21-9	Aroclor-1242	U	360	20	17	360	140
12672-29-6	Aroclor-1248	U	360	20	17	360	170
11097-69-1	Aroclor-1254	U	360	20	17	360	98
11096-82-5	Aroclor-1260		35000	20	17	360	180
877-09-8	Tetrachloro-m-xylene		D				
2051-24-3	Decachlorobiphenyl		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/05/04
Report Date: 08/06/2004
Matrix: SOIL
% Solids: 92.7

Lab ID: WU2358-12
Client ID: C03V-06N-12-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260		320	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		91%				
2051-24-3	Decachlorobiphenyl		79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/05/04
Report Date: 08/05/2004
Matrix: SOIL
% Solids: 91.8

Lab ID: WU2358-13
Client ID: C03V-06N-24-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.9
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.8
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	9.0
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260		930	1.0	17	18	9.3
877-09-8	Tetrachloro-m-xylene		72%				
2051-24-3	Decachlorobiphenyl		60%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/05/04
Report Date: 08/05/2004
Matrix: SOIL
% Solids: 90.3

Lab ID: WU2358-14
Client ID: C03V-06W-12-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.1
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	J	13	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.1
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260		410	1.0	17	19	9.5
877-09-8	Tetrachloro-m-xylene		92%				
2051-24-3	Decachlorobiphenyl		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/05/04
Report Date: 08/06/2004
Matrix: SOIL
% Solids: 89.5

Lab ID: WU2358-15DL
Client ID: C03V-06W-24-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	57	3.0	17	57	35
11104-28-2	Aroclor-1221	U	57	3.0	17	57	27
11141-16-5	Aroclor-1232	U	57	3.0	17	57	18
53469-21-9	Aroclor-1242	U	57	3.0	17	57	22
12672-29-6	Aroclor-1248	U	57	3.0	17	57	28
11097-69-1	Aroclor-1254	U	57	3.0	17	57	16
11096-82-5	Aroclor-1260		4600	3.0	17	57	29
877-09-8	Tetrachloro-m-xylene		87%				
2051-24-3	Decachlorobiphenyl		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/04/04
Report Date: 08/05/2004
Matrix: SOIL
% Solids: 95.6

Lab ID: WU2358-5
Client ID: C03V-07E-06-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.6
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.5
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.0
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.6
11097-69-1	Aroclor-1254	U	18	1.0	17	18	4.9
11096-82-5	Aroclor-1260		25	1.0	17	18	9.0
877-09-8	Tetrachloro-m-xylene		92%				
2051-24-3	Decachlorobiphenyl		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/04/04
Report Date: 08/05/2004
Matrix: SOIL
% Solids: 94.8

Lab ID: WU2358-6
Client ID: C03V-07E-12-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.6
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.1
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.7
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.0
877-09-8	Tetrachloro-m-xylene		92%				
2051-24-3	Decachlorobiphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/04/04
Report Date: 08/05/2004
Matrix: SOIL
% Solids: 93.0

Lab ID: WU2358-7
Client ID: C03V-07E-24-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		87%				
2051-24-3	Decachlorobiphenyl		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/04/04
Report Date: 08/05/2004
Matrix: SOIL
% Solids: 93.8

Lab ID: WU2358-8
Client ID: C03V-07F-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.7
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		38	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		66%				
2051-24-3	Decachlorobiphenyl		59%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/04/04
Report Date: 08/05/2004
Matrix: SOIL
% Solids: 93.6

Lab ID: WU2358-1
Client ID: C03V-07N-06-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		93%				
2051-24-3	Decachlorobiphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/04/04
Report Date: 08/05/2004
Matrix: SOIL
% Solids: 93.3

Lab ID: WU2358-2
Client ID: C03V-07N-12-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		83%				
2051-24-3	Decachlorobiphenyl		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/04/04
Report Date: 08/05/2004
Matrix: SOIL
% Solids: 94.3

Lab ID: WU2358-3
Client ID: C03V-07N-24-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.7
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	J	11	1.0	17	18	7.1
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.1
877-09-8	Tetrachloro-m-xylene		98%				
2051-24-3	Decachlorobiphenyl		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/04/04
Report Date: 08/05/2004
Matrix: SOIL
% Solids: 95.7

Lab ID: WU2358-4
Client ID: C03V-DUP01-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.6
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.5
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.0
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.6
11097-69-1	Aroclor-1254	U	18	1.0	17	18	4.9
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.0
877-09-8	Tetrachloro-m-xylene		83%				
2051-24-3	Decachlorobiphenyl		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/03/04
Received Date: 08/04/04
Extraction Date: 08/04/04
Analysis Date: 08/05/04
Report Date: 08/06/2004
Matrix: SOIL
% Solids: 91.6

Lab ID: WU2358-10DL
Client ID: C03V-DUP02-0804
SDG: WU2358
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9003
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	37	2.0	17	37	23
11104-28-2	Aroclor-1221	U	37	2.0	17	37	18
11141-16-5	Aroclor-1232	U	37	2.0	17	37	12
53469-21-9	Aroclor-1242	U	37	2.0	17	37	15
12672-29-6	Aroclor-1248	U	37	2.0	17	37	18
11097-69-1	Aroclor-1254	U	37	2.0	17	37	10
11096-82-5	Aroclor-1260		4300	2.0	17	37	19
877-09-8	Tetrachloro-m-xylene		88%				
2051-24-3	Decachlorobiphenyl		86%				

APPENDIX C

SUPPORT DOCUMENTATION

FIELD DUPLICATE PRECISION

ANALYTE	C03V-DUP01-0804	C03V-07E-06-0804	RPD	DIFFERENCE
Aroclor 1260	18U	25	#VALUE!	#VALUE!
ANALYTE	**C03V-DUP02-0804**	**C03V-06N-06-0804**	**RPD**	**DIFFERENCE**
Aroclor 1260	4300	35000	156.23	30700

Spada, Bernie

From: Samchuck, Joseph
Sent: Thursday, August 26, 2004 9:38 AM
To: Spada, Bernie; Sedlmyer, Ed; Lee, Ethan
Subject: FW: Katahdin samples
Categories: Business

From: Bryan, Charles
Sent: Thursday, August 26, 2004 9:37 AM
To: Samchuck, Joseph
Cc: McRee, Emily
Subject: RE: Katahdin samples

C03V-DUP01-0804 MATCHES C03V-07E-06-0804
C03V-DUP02-0804 MATCHES C03V-06N-06-0804
C03V-DUP03-0804 MATCHES C03V-11S-12-0804
Dup04 = C03V-05W-24-0804
Dup05 = C03V-12NW-12-0804
Dup06 = C03V-12C-24-0804
Dup07 = C03V-12EF-24-0804
Dup08 = C03V-15S-06-0804
Dup09 = C03V-13S-12-0804

From: McRee, Emily
Sent: Thursday, August 26, 2004 9:23 AM
To: Bryan, Charles
Subject: FW: Katahdin samples
Importance: High

Chuck, these are the only log sheets I have. You'll have to fill in the rest of the duplicate information.

C03V-DUP01-0804 MATCHES C03V-07E-06-0804
C03V-DUP02-0804 MATCHES C03V-06N-06-0804
C03V-DUP03-0804 MATCHES C03V-11S-12-0804

From: Samchuck, Joseph
Sent: Thursday, August 26, 2004 9:09 AM
To: McRee, Emily
Cc: Bryan, Charles
Subject: RE: Katahdin samples

Emily,

Can you provide field duplicate info for CTO349?

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2358

Sample Receipt

The following samples were received on August 4, 2004 and were logged in under Katahdin Analytical Services work order number WU2358 for a hardcopy due date of August 30, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2358-1	C03V-07N-06-0804
WU2358-2	C03V-07N-12-0804
WU2358-3	C03V-07N-24-0804
WU2358-4	C03V-DUP01-0804
WU2358-5	C03V-07E-06-0804
WU2358-6	C03V-07E-12-0804
WU2358-7	C03V-07E-24-0804
WU2358-8	C03V-07F-0804
WU2358-9	C03V-06F-0804
WU2358-10	C03V-DUP02-0804
WU2358-11	C03V-06N-06-0804
WU2358-12	C03V-06N-12-0804
WU2358-13	C03V-06N-24-0804
WU2358-14	C03V-06W-12-0804
WU2358-15	C03V-06W-24-0804

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 Analysis

The samples of Work Order WU2358 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, U.S. EPA, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been

performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation reports.

8082 Analysis

The method blank, WG9003-1, and the matrix spike duplicate, WG9033-3, had high recoveries for the extraction surrogate TCX on one channel, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX were within the acceptance limits on the second channel and DCB on both channels, the samples were not reanalyzed.

The method blank, WG9033-1, and the laboratory control sample, WG9033-2, had high recoveries for the extraction surrogate TCX, which were outside of the laboratory established acceptance limits. Since the recoveries for other surrogate, DCB, were within the acceptance limits, the samples were not reanalyzed.

The laboratory control sample, WG9003-2, had a low recovery for the extraction surrogate TCX, which was outside of the laboratory established acceptance limits. Since the recovery for other surrogate, DCB, was within the acceptance limits, as well as the recoveries of the spiked target analytes, the samples were not reanalyzed.

Samples WU2358-8 and 13 had low recoveries for the extraction surrogate DCB on channel A, which were outside of the laboratory established acceptance limits. Since the recoveries for DCB were within the acceptance limits on the channel B and TCX on both channels, the samples were not reanalyzed.

The matrix spike sample, WG9003-4, had a low recovery for the extraction surrogate DCB, which was outside of the laboratory established acceptance limits. Since the recovery for other surrogate, TCX, was within the acceptance limits, the samples were not reanalyzed.

The calibration verification standards (CV) (files 6UH2037, 6UH2042 and 6UH2118) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The closing CV (file 6UH1065 and 6UH2065) had high responses for TCX on both channels and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the opening CV had acceptable responses, the associated samples were not reanalyzed.

The CVs (files 6UH1088, 6UH2088, 6UH1101, and 6UH2101) had high responses for TCX on both channels and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%.

Sample WU2358-15 was used for a matrix spike (MS) and matrix spike duplicate (MSD) sample, per client request. The recoveries for Aroclor 1260 were non-calculable (NC) due to the concentration in the native sample being higher than in the MS and MSD. This is likely due to a non-homogeneous sample.

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

Metals Analysis

The samples of Katahdin Work Order WU2358 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. WU2358-(1-15) were digested for ICP analysis on 08/04/04 (QC Batch UH04ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2358-1 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.104 mg/L, corresponding to a dry-weight concentration of 10.4 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of Work Order WU2358 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2358-(1-15) were digested for mercury analysis on 08/05/04 (QC Batch UH05HGS0) in accordance with USEPA Method 7471A. Katahdin Sample No. WU2358-1 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin Work Order WU2358 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

Recoveries for lead in the matrix-spike (73.2%) and matrix spike duplicate (73.1%) aliquots of Katahdin Sample No. WU2358-1 are outside the laboratory's acceptance limits. The recoveries for all other elements 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).

The matrix-spike duplicate analyses of Katahdin Sample No. WU2358-1 is within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

The serial dilution analysis of Katahdin Sample No. WU2358-1 is 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.

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Wet Chemistry Analysis

The samples of Katahdin Work Order WU2358 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

Maria Crouch
08.24.04
Maria Crouch
Quality Assurance Officer

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: TETRA TECH NUS
Contact: CHUCK BRYAN
Phone #: (305) 360-1548
Fax #: (803) 842-3454
Address: 900 TRAIL RIDGE ROAD
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693-SK0060100
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): CHUCK BRYAN /
Copies To:

LAB USE ONLY
WORK ORDER #: WW2358
KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☒ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL METALS (Filt. ☐Y ☐N)	TCL PCB (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
	C03V-07N-06-0804	8-3-04/1509	SOIL	1										
	C03V-07N-12-0804	8-3-04/1512	SOIL	1										
	C03V-07N-24-0804	8-3-04/1515	SOIL	1										
	C03V-DUP01-0804	8-3-04/	SOIL	1										
	C03V-07E-06-0804	8-3-04/1528	SOIL	1										
	C03V-07E-12-0804	8-3-04/1532	SOIL	1										
	C03V-07E-24-0804	8-3-04/1535	SOIL	1										
	C03V-07F-0804	8-3-04/1348	SOIL	1										
	C03V-06F-0804	8-3-04/1353	SOIL	1										
	C03V-DUP02-0804	8-3-04/1356	SOIL	1										
	C03V-06N-06-0804	8-3-04/1602	SOIL	1										
	C03V-06N-12-0804	8-3-04/1606	SOIL	1										
	C03V-06N-24-0804	8-3-04/1610	SOIL	1										
	C03V-06W-12-0804	8-3-04/1613	SOIL	1										
	C03V-06W-24-0804	8-3-04/1617	SOIL	1										
		/												

COMMENTS
48-HOUR TAT

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	8-3-04 1725	8/4/04 0853			
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.

0000001

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

Client: TETRA TECH NUS
Contact: CHUCK BRYAN
Phone #: (305) 360-1548
Fax #: (803) 842-3454
Address: 900 TRAIL RIDGE ROAD
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693-SK0060100
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): CHUCK BRYAN / [signature]
Copies To:

LAB USE ONLY
WORK ORDER #: WW2358
KATAHDIN PROJECT NUMBER:

REMARKS:

SHIPPING INFO: ☒ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C: ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL METALS (Filt. ☐Y ☐N)	TCL PCB (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
	C03V-07N-06-0804	8-3-04/1509	SOIL	1										
	C03V-07N-12-0804	8-3-04/1512	SOIL	1										
	C03V-07N-24-0804	8-3-04/1515	SOIL	1										
	C03V-DUP01-0804	8-3-04/	SOIL	1										
	C03V-07E-06-0804	8-3-04/1528	SOIL	1										
	C03V-07E-12-0804	8-3-04/1532	SOIL	1										
	C03V-07E-24-0804	8-3-04/1535	SOIL	1										
	C03V-07F-0804	8-3-04/1348	SOIL	1										
	C03V-06F-0804	8-3-04/1353	SOIL	1										
	C03V-DUP02-0804	8-3-04/1356	SOIL	1										
	C03V-06N-06-0804	8-3-04/1602	SOIL	1										
	C03V-06N-12-0804	8-3-04/1606	SOIL	1										
	C03V-06N-24-0804	8-3-04/1610	SOIL	1										
	C03V-06W-12-0804	8-3-04/1613	SOIL	1										
	C03V-06W-24-0804	8-3-04/1617	SOIL	1										
		/												

COMMENTS
48-HOUR TAT

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	8-3-04 1725	[signature] 8/4/04 0853			
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.

0000001

ORIGINAL

HOLDTIME

SDG WU2358

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-07N-06-0804	WU2358-001	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06F-0804	WU2358-009	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-DUP02-0804	WU2358-010	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-DUP01-0804	WU2358-004	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07N-12-0804	WU2358-002	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07F-0804	WU2358-008	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07E-24-0804	WU2358-007	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06N-12-0804	WU2358-012	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07E-06-0804	WU2358-005	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06W-24-0804	WU2358-015	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06W-12-0804	WU2358-014	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06N-06-0804	WU2358-011	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06N-24-0804	WU2358-013	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07E-12-0804	WU2358-006	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07N-24-0804	WU2358-003	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-07F-0804	WU2358-008	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07F-0804	WU2358-008	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07E-24-0804	WU2358-007	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07E-24-0804	WU2358-007	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07E-12-0804	WU2358-006	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07F-0804	WU2358-008	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07N-24-0804	WU2358-003	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07E-24-0804	WU2358-007	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07N-06-0804	WU2358-001	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07N-06-0804	WU2358-001	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07N-06-0804	WU2358-001	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07N-12-0804	WU2358-002	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07N-12-0804	WU2358-002	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07E-12-0804	WU2358-006	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07N-24-0804	WU2358-003	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-06N-24-0804	WU2358-013	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07N-12-0804	WU2358-002	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-DUP01-0804	WU2358-004	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-06F-0804	WU2358-009	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-06F-0804	WU2358-009	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-06F-0804	WU2358-009	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-06N-06-0804	WU2358-011	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-06N-06-0804	WU2358-011	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-06N-12-0804	WU2358-012	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-06W-12-0804	WU2358-014	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-06N-24-0804	WU2358-013	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07E-12-0804	WU2358-006	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-06W-12-0804	WU2358-014	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-06W-24-0804	WU2358-015	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-06W-24-0804	WU2358-015	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07E-06-0804	WU2358-005	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07E-06-0804	WU2358-005	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07E-06-0804	WU2358-005	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-06N-12-0804	WU2358-012	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-DUP01-0804	WU2358-004	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-DUP02-0804	WU2358-010	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-DUP02-0804	WU2358-010	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-DUP01-0804	WU2358-004	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07N-24-0804	WU2358-003	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
TS	%	C03V-06W-24-0804	WU2358-15	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-06F-0804	WU2358-9	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07N-24-0804	WU2358-3	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07N-12-0804	WU2358-2	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07N-06-0804	WU2358-1	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07F-0804	WU2358-8	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07E-24-0804	WU2358-7	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-DUP01-0804	WU2358-4	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07E-06-0804	WU2358-5	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-06W-12-0804	WU2358-14	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-06N-24-0804	WU2358-13	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-06N-12-0804	WU2358-12	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-06N-06-0804	WU2358-11	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-DUP02-0804	WU2358-10	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07E-12-0804	WU2358-6	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-07N-24-0804	WU2358-3	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-DUP01-0804	WU2358-4	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07N-12-0804	WU2358-2	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07N-06-0804	WU2358-1	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07F-0804	WU2358-8	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07E-24-0804	WU2358-7	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07E-12-0804	WU2358-6	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07E-06-0804	WU2358-5	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-06W-24-0804	WU2358-15DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	%	C03V-06W-12-0804	WU2358-14	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	%	C03V-06N-24-0804	WU2358-13	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	%	C03V-06N-12-0804	WU2358-12	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	%	C03V-06N-06-0804	WU2358-11DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	%	C03V-06F-0804	WU2358-9REDL	NM	08/03/2004	08/05/2004	08/09/2004	2	4	6
PCB	%	C03V-DUP02-0804	WU2358-10DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-06W-12-0804	WU2358-14	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-DUP02-0804	WU2358-10DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-DUP01-0804	WU2358-4	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-07N-24-0804	WU2358-3	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-07N-12-0804	WU2358-2	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-07N-06-0804	WU2358-1	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-07F-0804	WU2358-8	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-07E-24-0804	WU2358-7	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-07E-12-0804	WU2358-6	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-06W-24-0804	WU2358-15DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-06N-24-0804	WU2358-13	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-06N-12-0804	WU2358-12	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-06N-06-0804	WU2358-11DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-06F-0804	WU2358-9REDL	NM	08/03/2004	08/05/2004	08/09/2004	2	4	6
PCB	UG/KG	C03V-07E-06-0804	WU2358-5	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2358

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.13 DCB: 20.57

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	7.14	20.58
02	ICAL	AR1660 0.05P	01/30/04	1712	7.13	20.58
03	ICAL	AR1660 0.10P	01/30/04	1741	7.14	20.58
04	ICAL	AR1660 0.25P	01/30/04	1809	7.13	20.58
05	ICAL	AR1660 2.5PP	01/30/04	1838	7.13	20.57
06	ICAL	AR1660 10PPM	01/30/04	1906	7.13	20.57
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1242 0.05P	01/30/04	2100		
11	ICAL	AR1242 0.10P	01/30/04	2128		
12	ICAL	AR1242 0.25P	01/30/04	2157		
13	ICAL	AR1242 2.5PP	01/30/04	2225		
14	ICAL	AR1242 10PPM	01/30/04	2254		
15	ICAL	AR1248 1.0PP	01/30/04	2322		
16	ICAL	AR1254 1.0PP	01/31/04	0212		
17	ICAL	AR1221 1.0PP	01/31/04	0503		
18	ICAL	AR1232 1.0PP	01/31/04	0531		
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:

Project: CTO 351 NAS KEY WEST SDG No.: WU2358

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.93 DCB: 20.32

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/04/04	1404	6.93	20.32
02	WG9003-BLANK	WG9003-1	08/04/04	1706	6.95	20.33
03	C03V-07N-06-	WU2358-1	08/04/04	1734	6.93	20.32
04	C03V-07N-12-	WU2358-2	08/04/04	1803	6.93	20.32
05	C03V-07N-24-	WU2358-3	08/04/04	1831	6.93	20.32
06	C03V-DUP01-0	WU2358-4	08/04/04	1900	6.93	20.32
07	C03V-07E-06-	WU2358-5	08/04/04	1928	6.93	20.32
08	C03V-07E-12-	WU2358-6	08/04/04	1957	6.92	20.32
09	C03V-07E-24-	WU2358-7	08/04/04	2025	6.93	20.32
10	C03V-07F-080	WU2358-8	08/04/04	2053	6.93	20.32
11	CV	AR1660 1.0PP	08/05/04	0012	6.93	20.32
12	CV	AR1660 1.0PP	08/05/04	1026	6.93	20.32
13	CV	AR1242 1.0PP	08/05/04	1307		
14	WG9003-LCS	WG9003-2	08/05/04	1404	6.95	20.33
15	C03V-06N-12-	WU2358-12	08/05/04	1529	6.93	20.32
16	C03V-06N-24-	WU2358-13	08/05/04	1557	6.93	20.32
17	C03V-06W-12-	WU2358-14	08/05/04	1626	6.93	20.32
18	C03V-06W-24-	WG9003-3	08/05/04	1723	6.93	20.32
19	C03V-06W-24-	WG9003-4	08/05/04	1751	6.93	20.32
20	C03V-DUP02-0	WU2358-10DL	08/05/04	1945	6.93	20.32

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2358

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.93 DCB: 20.32

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	C03V-06N-06-	WU2358-11DL	08/05/04	2013	6.93	20.32
02	C03V-06W-24-	WU2358-15DL	08/05/04	2042	6.93	20.31
03	CV	AR1242 1.0PP	08/05/04	2110		
04	CV	AR1660 1.0PP	08/05/04	2236	6.93	20.32
05	CV	AR1660 1.0PP	08/06/04	1933	6.92	20.31
06	WG9033-BLANK	WG9033-1	08/06/04	2127	6.92	20.31
07	WG9033-LCS	WG9033-2	08/06/04	2156	6.92	20.31
08	WG9033-LCSD	WG9033-3	08/06/04	2224	6.92	20.31
09	CV	AR1660 1.0PP	08/07/04	0144	6.92	20.31
10	CV	AR1660 1.0PP	08/09/04	1039	6.93	20.31
11	C03V-06F-080	WU2358-9REDL	08/09/04	1350		
12	CV	AR1660 1.0PP	08/09/04	1835	6.92	20.31
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:

Project: CTO 351 NAS KEY WEST SDG No.: WU2358

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.97 DCB: 21.01

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	6.94	20.99
02	ICAL	AR1660 0.05P	01/30/04	1712	6.94	20.99
03	ICAL	AR1660 0.10P	01/30/04	1741	6.95	20.99
04	ICAL	AR1660 0.25P	01/30/04	1809	6.94	20.99
05	ICAL	AR1660 2.5PP	01/30/04	1838	6.94	20.99
06	ICAL	AR1660 10PPM	01/30/04	1906	6.94	20.99
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1242 0.05P	01/30/04	2100		
11	ICAL	AR1242 0.10P	01/30/04	2128		
12	ICAL	AR1242 0.25P	01/30/04	2157		
13	ICAL	AR1242 2.5PP	01/30/04	2225		
14	ICAL	AR1242 10PPM	01/30/04	2254		
15	ICAL	AR1248 1.0PP	01/30/04	2322		
16	ICAL	AR1254 1.0PP	01/31/04	0212		
17	ICAL	AR1221 1.0PP	01/31/04	0503		
18	ICAL	AR1232 1.0PP	01/31/04	0531		
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:

Project: CTO 351 NAS KEY WEST SDG No.: WU2358

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.73 DCB: 20.72

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/04/04	1404	6.74	20.73
02	WG9003-BLANK	WG9003-1	08/04/04	1706	6.75	20.73
03	C03V-07N-06-	WU2358-1	08/04/04	1734	6.74	20.73
04	C03V-07N-12-	WU2358-2	08/04/04	1803	6.73	20.72
05	C03V-07N-24-	WU2358-3	08/04/04	1831	6.73	20.72
06	C03V-DUP01-0	WU2358-4	08/04/04	1900	6.73	20.72
07	C03V-07E-06-	WU2358-5	08/04/04	1928	6.73	20.72
08	C03V-07E-12-	WU2358-6	08/04/04	1957	6.73	20.72
09	C03V-07E-24-	WU2358-7	08/04/04	2025	6.73	20.72
10	C03V-07F-080	WU2358-8	08/04/04	2053	6.73	20.72
11	CV	AR1660 1.0PP	08/05/04	0012	6.73	20.72
12	CV	AR1660 1.0PP	08/05/04	1026	6.74	20.73
13	CV	AR1242 1.0PP	08/05/04	1307		
14	WG9003-LCS	WG9003-2	08/05/04	1404	6.74	20.73
15	C03V-06N-12-	WU2358-12	08/05/04	1529	6.73	20.72
16	C03V-06N-24-	WU2358-13	08/05/04	1557	6.73	20.72
17	C03V-06W-12-	WU2358-14	08/05/04	1626	6.73	20.72
18	C03V-06W-24-	WG9003-3	08/05/04	1723	6.73	20.72
19	C03V-06W-24-	WG9003-4	08/05/04	1751	6.73	20.72
20	C03V-DUP02-0	WU2358-10DL	08/05/04	1945	6.73	20.72

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2358

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.73 DCB: 20.72

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	C03V-06N-06-	WU2358-11DL	08/05/04	2013	6.73	20.72
02	C03V-06W-24-	WU2358-15DL	08/05/04	2042	6.73	20.72
03	CV	AR1242 1.0PP	08/05/04	2110		
04	CV	AR1660 1.0PP	08/05/04	2236	6.73	20.72
05	CV	AR1660 1.0PP	08/06/04	1933	6.73	20.72
06	WG9033-BLANK	WG9033-1	08/06/04	2127	6.73	20.71
07	WG9033-LCS	WG9033-2	08/06/04	2156	6.73	20.71
08	WG9033-LCSD	WG9033-3	08/06/04	2224	6.73	20.71
09	CV	AR1660 1.0PP	08/07/04	0144	6.73	20.71
10	CV	AR1660 1.0PP	08/09/04	1039	6.73	20.72
11	C03V-06F-080	WU2358-9REDL	08/09/04	1350		
12	CV	AR1660 1.0PP	08/09/04	1835	6.72	20.71
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 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO 351 NAS KEY WEST SDG No.: WU2358

Instrument ID: GC06 Calibration Date(s): 01/30/04 01/31/04

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 1644 0531

LAB FILE ID: RF0.05: 6UA3224 RF0.1: 6UA3225 RF0.25: 6UA3226
RF1: 6UA3230 RF2.5: 6UA3227 RF10: 6UA3228

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	1488	2933	6476	20911	50122	158460	2ORDR	-1.73e-002	4.457e-005	1.177e-010	0.99997	0.99000	
(2)	3590	6920	14786	46465	109540	348280	2ORDR	-2.69e-002	2.051e-005	2.378e-011	0.99997	0.99000	
(3)	1964	3840	8329	25896	62739	200740	2ORDR	-2.21e-002	3.61e-005	6.886e-011	0.99995	0.99000	
(4)	1156	2312	5145	17041	42764	141500	2ORDR	-9.54e-003	5.418e-005	1.17e-010	0.99995	0.99000	
(5)	1309	2506	5287	16906	37281	116290	2ORDR	-3.67e-002	5.865e-005	2.38e-010	0.99996	0.99000	
Aroclor-1221				4615			2ORDR	0.00000000	2.167e-004	0.00000000	1.00000	0.99000	<
(2)				11045			2ORDR	0.00000000	9.054e-005	0.00000000	1.00000	0.99000	<
(3)				8096			2ORDR	0.00000000	1.235e-004	0.00000000	1.00000	0.99000	<
(4)				24183			2ORDR	0.00000000	4.135e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232				21056			2ORDR	0.00000000	4.749e-005	0.00000000	1.00000	0.99000	<
(2)				10320			2ORDR	0.00000000	9.69e-005	0.00000000	1.00000	0.99000	<
(3)				22658			2ORDR	0.00000000	4.413e-005	0.00000000	1.00000	0.99000	<
(4)				13099			2ORDR	0.00000000	7.634e-005	0.00000000	1.00000	0.99000	<
(5)				8385			2ORDR	0.00000000	1.193e-004	0.00000000	1.00000	0.99000	<
Aroclor-1242	1737	2717	6394	21036	44724	138490	2ORDR	-3.73e-002	4.805e-005	1.765e-010	0.99992	0.99000	
(2)	1399	2228	5421	18848	41471	129900	2ORDR	-2.36e-002	5.245e-005	1.904e-010	0.99997	0.99000	
(3)	3321	5186	12070	40698	90743	282900	2ORDR	-2.68e-002	2.403e-005	4.036e-011	0.99998	0.99000	
(4)	1840	2866	6834	23329	51926	163250	2ORDR	-2.55e-002	4.221e-005	1.177e-010	0.99998	0.99000	
(5)	1095	1686	4159	15059	35050	114690	2ORDR	-1.35e-002	6.467e-005	1.974e-010	1.00000	0.99000	
Aroclor-1248	1802	3282	7704	25659	55832	185500	2ORDR	-3.7e-002	4.076e-005	7.204e-011	0.99991	0.99000	
(2)	1507	2800	6736	23406	52033	178150	2ORDR	-2.92e-002	4.458e-005	6.582e-011	0.99994	0.99000	
(3)	2130	3885	8984	30135	65638	221970	2ORDR	-3.86e-002	3.508e-005	4.574e-011	0.99990	0.99000	
(4)	2285	4098	9538	32533	70944	240900	2ORDR	-3.67e-002	3.252e-005	3.801e-011	0.99991	0.99000	
(5)	1553	2920	7030	25178	56948	198880	2ORDR	-2.4e-002	4.124e-005	4.61e-011	0.99995	0.99000	
Aroclor-1254	3073	5810	13983	41152	97891	303840	2ORDR	-2.36e-002	2.251e-005	3.448e-011	0.99994	0.99000	
(2)	1592	3133	8127	25632	63816	204560	2ORDR	-6.21e-003	3.54e-005	6.606e-011	0.99994	0.99000	
(3)	3031	5795	14674	45296	111430	353080	2ORDR	-1.11e-002	2.011e-005	2.334e-011	0.99994	0.99000	
(4)	2625	5000	12615	38453	94434	297880	2ORDR	-1.25e-002	2.366e-005	3.34e-011	0.99994	0.99000	
(5)	1329	2603	6673	19864	47648	147970	2ORDR	-1.68e-002	4.616e-005	1.455e-010	0.99994	0.99000	
Aroclor-1260	1756	3478	7533	24884	57806	193210	2ORDR	-2.84e-002	4.004e-005	6.143e-011	0.99998	0.99000	
(2)	1632	3251	7165	24706	58761	200890	2ORDR	-1.98e-002	3.994e-005	4.948e-011	0.99999	0.99000	
(3)	3703	7308	15981	55751	132930	463160	2ORDR	-2.03e-002	1.785e-005	8.179e-012	0.99999	0.99000	
(4)	1802	3648	8288	29428	71213	247380	2ORDR	-1.29e-002	3.323e-005	2.929e-011	0.99999	0.99000	
(5)	940	1996	4608	16501	39296	135760	2ORDR	-1.32e-002	5.983e-005	1.026e-010	0.99999	0.99000	
Tetrachloro-m-xylene	1046	2133	4944	19038	47892	163420	2ORDR	1.061e-004	9.772e-007	1.504e-012	0.99998	0.99000	
Decachlorobiphenyl	998	2047	4723	16129	36702	118840	2ORDR	-4.25e-004	1.224e-006	3.893e-012	0.99998	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO 351 NAS KEY WEST SDG No.: WU2358

Instrument ID: GC06 Calibration Date(s): 01/30/04 01/31/04

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 1644 0531

LAB FILE ID: RF0.05: 6UA4224 RF0.1: 6UA4225 RF0.25: 6UA4226
RF1: 6UA4230 RF2.5: 6UA4227 RF10: 6UA4228

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	3610	6995	14898	47378	104100	317680	2ORDR	-3.42e-002	2.057e-005	3.47e-011	0.99996	0.99000	
(2)	1582	3229	7115	24299	53242	166260	2ORDR	-2.64e-002	4.076e-005	1.176e-010	0.99996	0.99000	
(3)	5804	11157	23571	77152	172980	549660	2ORDR	-3.28e-002	1.285e-005	9.826e-012	0.99997	0.99000	
(4)	2561	5042	10881	36551	79398	250640	2ORDR	-3.33e-002	2.761e-005	4.961e-011	0.99994	0.99000	
(5)	1830	3694	8189	29026	64714	210850	2ORDR	-2.39e-002	3.472e-005	6.083e-011	0.99997	0.99000	
Aroclor-1221				18117			2ORDR	0.00000000	5.52e-005	0.00000000	1.00000	0.99000	<
(2)				12525			2ORDR	0.00000000	7.984e-005	0.00000000	1.00000	0.99000	<
(3)				35803			2ORDR	0.00000000	2.793e-005	0.00000000	1.00000	0.99000	<
(4)				9964			2ORDR	0.00000000	1.004e-004	0.00000000	1.00000	0.99000	<
Aroclor-1232				32462			2ORDR	0.00000000	3.081e-005	0.00000000	1.00000	0.99000	<
(2)				24871			2ORDR	0.00000000	4.021e-005	0.00000000	1.00000	0.99000	<
(3)				11524			2ORDR	0.00000000	8.678e-005	0.00000000	1.00000	0.99000	<
(4)				17040			2ORDR	0.00000000	5.869e-005	0.00000000	1.00000	0.99000	<
(5)				10301			2ORDR	0.00000000	9.708e-005	0.00000000	1.00000	0.99000	<
Aroclor-1242	3493	5404	12566	40712	88205	263660	2ORDR	-3.13e-002	2.368e-005	5.452e-011	0.99997	0.99000	
(2)	5329	8512	19813	64936	144840	450280	2ORDR	-2.92e-002	1.504e-005	1.607e-011	0.99998	0.99000	
(3)	2338	3791	9090	30157	66750	205080	2ORDR	-2.57e-002	3.217e-005	8.153e-011	0.99998	0.99000	
(4)	1588	2584	6263	20362	44309	133910	2ORDR	-2.83e-002	4.757e-005	2.041e-010	0.99997	0.99000	
(5)	2240	3634	8812	29622	65876	207230	2ORDR	-2.58e-002	3.327e-005	7.292e-011	0.99997	0.99000	
Aroclor-1248	2917	5411	12400	40574	87498	287290	2ORDR	-4.06e-002	2.579e-005	3.19e-011	0.99990	0.99000	
(2)	1737	3206	7567	25496	55554	181200	2ORDR	-3.27e-002	4.039e-005	8.27e-011	0.99993	0.99000	
(3)	3533	6470	14944	49708	108240	362410	2ORDR	-3.86e-002	2.115e-005	1.81e-011	0.99991	0.99000	
(4)	2850	5218	12144	40487	88480	295580	2ORDR	-3.7e-002	2.584e-005	2.749e-011	0.99992	0.99000	
(5)	2389	4425	10627	37001	82579	282820	2ORDR	-2.84e-002	2.812e-005	2.599e-011	0.99994	0.99000	
Aroclor-1254	1187	2287	5849	17543	41144	122750	2ORDR	-1.52e-002	5.129e-005	2.468e-010	0.99995	0.99000	
(2)	1382	2656	6720	20097	47304	141510	2ORDR	-1.58e-002	4.479e-005	1.836e-010	0.99995	0.99000	
(3)	2460	4693	11925	36509	90031	278210	2ORDR	-8.25e-003	2.439e-005	4.163e-011	0.99992	0.99000	
(4)	4771	8917	22286	67324	164730	516180	2ORDR	-1.43e-002	1.35e-005	1.143e-011	0.99993	0.99000	
(5)	3592	6828	17008	50941	123010	384390	2ORDR	-1.75e-002	1.801e-005	2.094e-011	0.99994	0.99000	
Aroclor-1260	3679	7204	15597	52127	124000	412290	2ORDR	-2.19e-002	1.865e-005	1.372e-011	0.99998	0.99000	
(2)	2832	5573	12168	40674	95807	317640	2ORDR	-2.3e-002	2.405e-005	2.362e-011	0.99998	0.99000	
(3)	5897	11469	24827	84341	202420	703050	2ORDR	-2.25e-002	1.173e-005	3.589e-012	0.99998	0.99000	
(4)	3310	6581	14544	49802	118380	401510	2ORDR	-1.99e-002	1.973e-005	1.301e-011	0.99999	0.99000	
(5)	1497	3024	6912	23843	56334	189580	2ORDR	-1.76e-002	4.116e-005	6.161e-011	0.99999	0.99000	
Tetrachloro-m-xylene	2649	4261	10472	35795	85539	280350	2ORDR	-2.83e-004	5.341e-007	6.431e-013	0.99999	0.99000	
Decachlorobiphenyl	1373	2834	6390	21448	48833	153540	2ORDR	-4.12e-004	9.004e-007	2.637e-012	0.99998	0.99000	

FORM VI SV

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2358

Instrument ID: GC06 Calibration Date: 01/30/04 Time: 2003

Lab File ID: 6UA3210 Init. Calib. Date(s): 01/30/04 01/31/04

Init. Calib. Times: 1644 0531

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	1.2251000	1.0000000	29933.000	0.01	22.51	15.00	2RDR	<-
(2)	1.1771000	1.0000000	28934.000	0.01	17.71	15.00	2RDR	<-
(3)	1.1684000	1.0000000	64691.000	0.01	16.84	15.00	2RDR	<-
(4)	1.0797000	1.0000000	31977.000	0.01	7.97	15.00	2RDR	
(5)	1.2304000	1.0000000	20093.000	0.01	23.04	15.00	2RDR	<-
Average %D: 17.620								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2358

Instrument ID: GC06 Calibration Date: 01/30/04 Time: 2003

Lab File ID: 6UA4210 Init. Calib. Date(s): 01/30/04 01/31/04

Init. Calib. Times: 1644 0531

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	0.8890300	1.0000000	47201.000	0.01	-11.10	15.00	2RDR	
(2)	1.1301000	1.0000000	45875.000	0.01	13.01	15.00	2RDR	
(3)	1.1629000	1.0000000	98094.000	0.01	16.29	15.00	2RDR	<-
(4)	1.1249000	1.0000000	55950.000	0.01	12.49	15.00	2RDR	
(5)	1.2306000	1.0000000	29058.000	0.01	23.06	15.00	2RDR	<-
Average %D: 10.750								

FORM VII PEST

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2358

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG9003-BLANK	WG9003-1	104*	100	82	88			1
02	C03V-07N-06-0804	WU2358-1	92	93	76	82			0
03	C03V-07N-12-0804	WU2358-2	80	83	68	75			0
04	C03V-07N-24-0804	WU2358-3	96	98	81	88			0
05	C03V-DUP01-0804	WU2358-4	81	83	70	76			0
06	C03V-07E-06-0804	WU2358-5	89	92	76	83			0
07	C03V-07E-12-0804	WU2358-6	90	92	75	82			0
08	C03V-07E-24-0804	WU2358-7	84	87	70	76			0
09	C03V-07F-0804	WU2358-8	64	66	54*	59			1
10	WG9003-LCS	WG9003-2	30*	30*	63	69			2
11	C03V-06N-12-0804	WU2358-12	87	91	73	79			0
12	C03V-06N-24-0804	WU2358-13	68	72	55*	60			1
13	C03V-06W-12-0804	WU2358-14	89	92	76	83			0
14	C03V-06W-24-0804MS	WG9003-3	69	72	60	67			0
15	C03V-06W-24-0804MSD	WG9003-4	53	56	53*	55*			2
16	C03V-DUP02-0804	WU2358-10DL	83	88	77	86			0
17	C03V-06N-06-0804	WU2358-11DL	D	D	D	D			0
18	C03V-06W-24-0804	WU2358-15DL	81	87	79	88			0
19	WG9033-BLANK	WG9033-1	104*	109*	88	97			2
20	WG9033-LCS	WG9033-2	111*	116*	96	105			2
21	WG9033-LCSD	WG9033-3	103	108*	91	100			1
22	C03V-06F-0804	WU2358-9REDL	D	D	D	D			0
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-06F-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2358

Lab Sample ID: WU2358-9REDL Date(s) Analyzed: 08/09/04 08/09/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	35000		
Aroclor-1260	2	16.26	16.19	16.33	34300		
	3	16.85	16.77	16.91	37400		
COLUMN 1	4	17.52	17.45	17.59	39800		
	5	18.86	18.79	18.93	29500	35200	
	1	15.87	15.80	15.94	40000		
	2	16.77	16.70	16.84	35200		
	3	17.16	17.09	17.23	37700		
COLUMN 2	4	18.13	18.06	18.20	39600		
	5	19.27	19.19	19.33	31300	36700	4.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-06N
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: KAS PO No.: SDG No.: WU2358

Lab Sample ID: WU2358-11DL Date(s) Analyzed: 08/05/04 08/05/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.66	15.80	30400		
Aroclor-1260	2	16.26	16.20	16.34	31200		
	3	16.85	16.78	16.92	33900		
COLUMN 1	4	17.52	17.46	17.60	36400		
	5	18.87	18.80	18.94	26900	31800	
	1	15.88	15.81	15.95	41100		
	2	16.78	16.71	16.85	34100		
	3	17.17	17.10	17.24	35900		
COLUMN 2	4	18.14	18.07	18.21	36700		
	5	19.27	19.20	19.34	29100	35400	10.2
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-06N
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: KAS PO No.: SDG No.: WU2358

Lab Sample ID: WU2358-12 Date(s) Analyzed: 08/05/04 08/05/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.66	15.80	294		
Aroclor-1260	2	16.27	16.20	16.34	266		
	3	16.86	16.78	16.92	305		
COLUMN 1	4	17.53	17.46	17.60	335		
	5	18.87	18.80	18.94	254	291	
	1	15.88	15.81	15.95	359		
	2	16.78	16.71	16.85	294		
	3	17.18	17.10	17.24	328		
COLUMN 2	4	18.14	18.07	18.21	337		
	5	19.27	19.20	19.34	283	320	9.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-06N
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2358

Lab Sample ID: WU2358-13 Date(s) Analyzed: 08/05/04 08/05/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.67	15.81	801		
Aroclor-1260	2	16.27	16.20	16.34	796		
	3	16.85	16.79	16.93	894		
COLUMN 1	4	17.53	17.46	17.60	976		
	5	18.87	18.81	18.95	771	848	
	1	15.88	15.81	15.95	1010		
	2	16.78	16.72	16.86	856		
	3	17.17	17.11	17.25	942		
COLUMN 2	4	18.14	18.08	18.22	986		
	5	19.27	19.21	19.35	847	928	8.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-06W
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2358

Lab Sample ID: WU2358-14 Date(s) Analyzed: 08/05/04 08/05/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	8.85	8.79	8.93	0.147		
Aroclor-1242	2	9.32	9.26	9.40	6.34		
	3	9.95	9.89	10.03	9.96		
COLUMN 1	4	10.19	10.14	10.28	6.95		
	5	10.38	10.33	10.47	17.1	8.10	
	1	9.31	9.25	9.39	6.14		
	2	10.31	10.24	10.38	15.6		
	3	10.66	10.60	10.74	13.5		
COLUMN 2	4	11.11	11.05	11.19	15.3		
	5					12.6	35.7
	1	15.73	15.67	15.81	406		
Aroclor-1260	2	16.27	16.20	16.34	346		
	3	16.85	16.79	16.93	434		
COLUMN 1	4	17.53	17.46	17.60	471		
	5	18.87	18.81	18.95	363	404	
	1	15.88	15.81	15.95	386		
	2	16.78	16.72	16.86	370		
	3	17.17	17.11	17.25	456		
COLUMN 2	4	18.14	18.08	18.22	445		
	5	19.27	19.21	19.35	391	409	1.2
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-06W
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: KAS PO No.: SDG No.: WU2358

Lab Sample ID: WU2358-15DL Date(s) Analyzed: 08/05/04 08/05/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.66	15.80	4170		
Aroclor-1260	2	16.26	16.20	16.34	4100		
	3	16.85	16.78	16.92	4590		
COLUMN 1	4	17.52	17.46	17.60	4970		
	5	18.87	18.80	18.94	3850	4340	
	1	15.87	15.81	15.95	4890		
	2	16.78	16.71	16.85	4410		
	3	17.17	17.10	17.24	4860		
COLUMN 2	4	18.14	18.07	18.21	4940		
	5	19.27	19.20	19.34	4100	4640	6.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-07E
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2358

Lab Sample ID: WU2358-5 Date(s) Analyzed: 08/04/04 08/04/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.66	15.80	16.4		
Aroclor-1260	2	16.27	16.20	16.34	15.4		
	3	16.86	16.79	16.93	19.4		
COLUMN 1	4	17.53	17.46	17.60	25.0		
	5	18.88	18.80	18.94	18.8	19.0	
	1	15.88	15.81	15.95	27.8		
	2	16.79	16.71	16.85	20.8		
	3	17.18	17.11	17.25	24.8		
COLUMN 2	4	18.14	18.07	18.21	26.8		
	5	19.28	19.20	19.34	22.8	24.6	22.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-07F-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2358

Lab Sample ID: WU2358-8 Date(s) Analyzed: 08/04/04 08/04/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.66	15.80	28.6		
Aroclor-1260	2	16.27	16.20	16.34	28.4		
	3	16.86	16.79	16.93	32.3		
COLUMN 1	4	17.53	17.46	17.60	37.8		
	5	18.88	18.80	18.94	30.8	31.6	
	1	15.88	15.81	15.95	42.0		
	2	16.78	16.71	16.85	34.7		
	3	17.18	17.11	17.25	38.3		
COLUMN 2	4	18.14	18.07	18.21	41.2		
	5	19.28	19.20	19.34	36.4	38.5	17.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-07N
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2358

Lab Sample ID: WU2358-3 Date(s) Analyzed: 08/04/04 08/04/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	8.85	8.78	8.92	2.60		
Aroclor-1242	2	9.32	9.24	9.38	7.90		
	3	9.95	9.87	10.01	8.74		
COLUMN 1	4	10.20	10.12	10.26	7.60		
	5	10.38	10.31	10.45	11.3	7.64	
	1	9.31	9.24	9.38	8.04		
	2	10.31	10.23	10.37	12.4		
	3	10.67	10.59	10.73	7.12		
COLUMN 2	4	11.11	11.04	11.18	15.3		
	5					10.7	28.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-DUP02-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: KAS PO No.: SDG No.: WU2358

Lab Sample ID: WU2358-10DL Date(s) Analyzed: 08/05/04 08/05/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.66	15.80	3430		
Aroclor-1260	2	16.27	16.20	16.34	3660		
	3	16.85	16.78	16.92	4060		
COLUMN 1	4	17.52	17.46	17.60	4370		
	5	18.87	18.80	18.94	3490	3800	
	1	15.88	15.81	15.95	4500		
	2	16.78	16.71	16.85	4030		
	3	17.17	17.10	17.24	4390		
COLUMN 2	4	18.14	18.07	18.21	4560		
	5	19.27	19.20	19.34	3820	4260	10.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**AUGUST 26, 2004**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS + TIN**
NAS KEY WEST – CTO 349
SAMPLE DELIVERY GROUP (SDG) – WU2358

SAMPLES: 15/SOIL/

C03V-06F-0804	C03V-06N-06-0804	C03V-06N-12-0804
C03V-06N-24-0804	C03V-06W-12-0804	C03V-06W-24-0804
C03V-07E-06-0804	C03V-07E-12-0804	C03V-07E-24-0804
C03V-07F-0804	C03V-07N-06-0804	C03V-07N-12-0804
C03V-07N-24-0804	C03V-DUP01-0804	C03V-DUP02-0804

Overview

The sample set for NAS Key West, CTO 349, SDG WU2358, consists of fifteen (15) soil environmental samples. Two (2) field duplicate pairs (C03V-DUP01-0804 / C03V-07E-06-0804; C03V-DUP02-0804 / C03V-06N-06-0804) are included in this SDG.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by Tetra Tech NUS on August 3, 2004 and analyzed by Katahdin Analytical Services. Metals analyses except mercury were conducted using SW846 method 6010B. Mercury analyses were conducted using SW846 method 7471A.

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

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
• Laboratory Blank Analyses
• Field Duplicate Analyses
* • Detection Limits

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	165.37 ug/L	82.7 mg/kg
Antimony	5.23 ug/L	2.62 mg/kg
Barium[1]	0.026 mg/kg	0.13 mg/kg
Beryllium	0.80 ug/L	0.40 mg/kg
Calcium[1]	10.434 mg/kg	52.17 mg/kg
Chromium[1]	0.236 mg/kg	1.18 mg/kg
Iron	23.42 ug/L	11.71 mg/kg
Magnesium	69.66 ug/L	34.83 mg/kg
Manganese	0.23 ug/L	0.12 mg/kg
Potassium	569.44 ug/L	284.70 mg/kg
Sodium[1]	4.728 mg/kg	23.64 mg/kg
Tin[1]	2.465 mg/kg	12.33 mg/kg
Zinc[1]	0.262 mg/kg	1.31 mg/kg

[1] Maximum concentration present in laboratory preparation blank.

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

Field Duplicate Analyses

Field duplicate imprecision (Difference >4X the CRDL) was noted for lead in field duplicate pair C03V-DUP01-0804 / C03V-07E-06-0804. Positive results reported for lead were qualified as estimated (J) for this field duplicate pair only.

Field duplicate imprecision (RPD >50%) was noted for iron and lead in field duplicate pair C03V-DUP02-0804 / C03V-06N-06-0804. Positive results reported for iron and lead were qualified as estimated (J) for this field duplicate pair only.

Notes

Dilutions were performed for calcium in all samples due to the concentrations of calcium above the linear range of the instrument.

Executive Summary

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

Other Factors Affecting Data Quality: Iron and lead were qualified due to field duplicate imprecision.

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: 0693

SDG: WU2358 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-07N-24-0804	nsample	C03V-DUP01-0804	nsample	C03V-DUP02-0804
samp_date	8/3/2004	samp_date	8/3/2004	samp_date	8/3/2004
lab_id	WU2358-003	lab_id	WU2358-004	lab_id	WU2358-010
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	94.3	Pct_Solids	95.7	Pct_Solids	91.6
DUP_OF:		DUP_OF:	C03V-07E-06-0804	DUP_OF:	C03V-06N-06-0804

Parameter	Result	Val Qual	Qual Code
ALUMINUM	772		
ANTIMONY	0.54	U	A
ARSENIC	0.82		
BARIUM	6.1		
BERYLLIUM	0.12	U	A
CADMIUM	0.04		
CALCIUM	224000		
CHROMIUM	6		
COBALT	0.22		
COPPER	1.8		
IRON	574		
LEAD	3.4		
MAGNESIUM	1700		
MANGANESE	21.5		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	96.4	U	A
SELENIUM	0.33	U	
SILVER	0.06	U	
SODIUM	268		
THALLIUM	0.36	U	
TIN	2.2	U	A
VANADIUM	5.1		
ZINC	2.1		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	759		
ANTIMONY	0.24	U	A
ARSENIC	0.91		
BARIUM	5.9		
BERYLLIUM	0.11	U	A
CADMIUM	0.03		
CALCIUM	225000		
CHROMIUM	5.4		
COBALT	0.24		
COPPER	1.2		
IRON	580		
LEAD	0.84	J	G
MAGNESIUM	1760		
MANGANESE	22.3		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	69.2	U	A
SELENIUM	0.3	U	
SILVER	0.06	U	
SODIUM	241		
THALLIUM	0.33	U	
TIN	2.2	U	A
VANADIUM	5		
ZINC	1.2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	770		
ANTIMONY	0.48	U	A
ARSENIC	1.1		
BARIUM	8.7		
BERYLLIUM	0.13	U	A
CADMIUM	0.08		
CALCIUM	219000		
CHROMIUM	7.7		
COBALT	0.32		
COPPER	8.5		
IRON	1570	J	G
LEAD	31	J	G
MAGNESIUM	1760		
MANGANESE	25.6		
MERCURY	0.02		
NICKEL	1.4		
POTASSIUM	127	U	A
SELENIUM	0.32	U	
SILVER	0.06	U	
SODIUM	288		
THALLIUM	0.36	U	
TIN	2.5	U	A
VANADIUM	5		
ZINC	11.8		

PROJ_NO: 0693

SDG: WU2358 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-06F-0804	nsample	C03V-06N-06-0804	nsample	C03V-06N-12-0804
samp_date	8/3/2004	samp_date	8/3/2004	samp_date	8/3/2004
lab_id	WU2358-009	lab_id	WU2358-011	lab_id	WU2358-012
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	76.9	Pct_Solids	95.5	Pct_Solids	92.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	605		
ANTIMONY	3.2		
ARSENIC	1.7		
BARIUM	42.2		
BERYLLIUM	0.07	U	A
CADMIUM	0.98		
CALCIUM	325000		
CHROMIUM	7.8		
COBALT	0.27		
COPPER	20.8		
IRON	2080		
LEAD	279		
MAGNESIUM	3650		
MANGANESE	23.6		
MERCURY	0.15		
NICKEL	1.7		
POTASSIUM	82.8	U	A
SELENIUM	0.3	U	
SILVER	0.06	U	
SODIUM	1460		
THALLIUM	0.33	U	
TIN	6.2	U	A
VANADIUM	3.6		
ZINC	130		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	719		
ANTIMONY	0.6	U	A
ARSENIC	0.91		
BARIUM	8.6		
BERYLLIUM	0.11	U	A
CADMIUM	0.1		
CALCIUM	215000		
CHROMIUM	7		
COBALT	0.29		
COPPER	7.5		
IRON	887	J	G
LEAD	53.3	J	G
MAGNESIUM	1720		
MANGANESE	22.7		
MERCURY	0.04		
NICKEL	1.3		
POTASSIUM	71.4	U	A
SELENIUM	0.3	U	
SILVER	0.06	U	
SODIUM	312		
THALLIUM	0.33	U	
TIN	2.5	U	A
VANADIUM	5		
ZINC	21.2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	741		
ANTIMONY	0.5	U	A
ARSENIC	0.89		
BARIUM	8.1		
BERYLLIUM	0.13	U	A
CADMIUM	0.13		
CALCIUM	227000		
CHROMIUM	6.8		
COBALT	0.28		
COPPER	8.5		
IRON	648		
LEAD	30.6		
MAGNESIUM	1740		
MANGANESE	22.4		
MERCURY	0.04		
NICKEL	1.1		
POTASSIUM	130	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	300		
THALLIUM	0.34	U	
TIN	2.3	U	A
VANADIUM	5.1		
ZINC	11.6		

PROJ_NO: 0693

SDG: WU2358 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-06N-24-0804	nsample	C03V-06W-12-0804	nsample	C03V-06W-24-0804
samp_date	8/3/2004	samp_date	8/3/2004	samp_date	8/3/2004
lab_id	WU2358-013	lab_id	WU2358-014	lab_id	WU2358-015
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	91.8	Pct_Solids	90.3	Pct_Solids	89.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	732		
ANTIMONY	0.5	U	A
ARSENIC	1.1		
BARIUM	9.2		
BERYLLIUM	0.12	U	A
CADMIUM	0.18		
CALCIUM	222000		
CHROMIUM	8.3		
COBALT	0.28		
COPPER	12		
IRON	992		
LEAD	76.3		
MAGNESIUM	1690		
MANGANESE	22.9		
MERCURY	0.01		
NICKEL	1.3		
POTASSIUM	96	U	A
SELENIUM	0.32	U	
SILVER	0.06	U	
SODIUM	350		
THALLIUM	0.35	U	
TIN	2.7	U	A
VANADIUM	4.9		
ZINC	31.7		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	107		
ANTIMONY	0.38	U	A
ARSENIC	0.62		
BARIUM	6.5		
BERYLLIUM	0.06	U	A
CADMIUM	0.03	U	
CALCIUM	330000		
CHROMIUM	2		
COBALT	0.08		
COPPER	3.5		
IRON	206		
LEAD	5.9		
MAGNESIUM	883		
MANGANESE	2.3		
MERCURY	0.04		
NICKEL	0.6		
POTASSIUM	61.3	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	1190		
THALLIUM	0.35	U	
TIN	2.6	U	A
VANADIUM	1.3		
ZINC	5.3		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	206		
ANTIMONY	0.85	U	A
ARSENIC	0.45		
BARIUM	17.6		
BERYLLIUM	0.08	U	A
CADMIUM	0.11		
CALCIUM	374000		
CHROMIUM	2.8		
COBALT	0.11		
COPPER	10.7		
IRON	594		
LEAD	68.8		
MAGNESIUM	1740		
MANGANESE	6.4		
MERCURY	0.06		
NICKEL	0.94		
POTASSIUM	22.35	U	
SELENIUM	0.35	U	
SILVER	0.07	U	
SODIUM	1580		
THALLIUM	0.38	U	
TIN	3.7	U	A
VANADIUM	1.6		
ZINC	37.2		

PROJ_NO: 0693

SDG: WU2358 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-07E-06-0804	nsample	C03V-07E-12-0804	nsample	C03V-07E-24-0804
samp_date	8/3/2004	samp_date	8/3/2004	samp_date	8/3/2004
lab_id	WU2358-005	lab_id	WU2358-006	lab_id	WU2358-007
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	95.6	Pct_Solids	94.8	Pct_Solids	93.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	719		
ANTIMONY	0.21	U	A
ARSENIC	0.84		
BARIUM	6.8		
BERYLLIUM	0.12	U	A
CADMIUM	0.07		
CALCIUM	225000		
CHROMIUM	5.5		
COBALT	0.29		
COPPER	2.9		
IRON	600		
LEAD	12.2	J	G
MAGNESIUM	1800		
MANGANESE	22.8		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	114	U	A
SELENIUM	0.27	U	
SILVER	0.05	U	
SODIUM	252		
THALLIUM	0.3	U	
TIN	2.1	U	A
VANADIUM	4.9		
ZINC	7.3		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	762		
ANTIMONY	0.37	U	A
ARSENIC	0.78		
BARIUM	6.1		
BERYLLIUM	0.12	U	A
CADMIUM	0.04		
CALCIUM	230000		
CHROMIUM	5.7		
COBALT	0.2		
COPPER	1.6		
IRON	591		
LEAD	1.5		
MAGNESIUM	1780		
MANGANESE	22.6		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	88.8	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	234		
THALLIUM	0.34	U	
TIN	2.2	U	A
VANADIUM	5		
ZINC	1.4		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	675		
ANTIMONY	0.17	U	
ARSENIC	0.91		
BARIUM	6		
BERYLLIUM	0.09	U	A
CADMIUM	0.04		
CALCIUM	221000		
CHROMIUM	4.9		
COBALT	0.28		
COPPER	1.7		
IRON	538		
LEAD	2.1		
MAGNESIUM	1720		
MANGANESE	21.4		
MERCURY	0.01	U	
NICKEL	0.99		
POTASSIUM	92.8	U	A
SELENIUM	0.28	U	
SILVER	0.05	U	
SODIUM	221		
THALLIUM	0.31	U	
TIN	2	U	A
VANADIUM	4.6		
ZINC	1.8		

PROJ_NO: 0693

SDG: WU2358 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-07F-0804
samp_date	8/3/2004
lab_id	WU2358-008
qc_type	NM
units	MG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	739		
ANTIMONY	0.16	U	
ARSENIC	0.91		
BARIUM	7		
BERYLLIUM	0.1	U	A
CADMIUM	0.07		
CALCIUM	240000		
CHROMIUM	5.3		
COBALT	0.23		
COPPER	6		
IRON	606		
LEAD	44.7		
MAGNESIUM	1750		
MANGANESE	21.7		
MERCURY	0.01		
NICKEL	1.1		
POTASSIUM	124	U	A
SELENIUM	0.26	U	
SILVER	0.05	U	
SODIUM	303		
THALLIUM	0.29	U	
TIN	1.9	U	A
VANADIUM	4.8		
ZINC	7.3		

nsample	C03V-07N-06-0804
samp_date	8/3/2004
lab_id	WU2358-001
qc_type	NM
units	MG/KG
Pct_Solids	93.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	731		
ANTIMONY	0.76	U	A
ARSENIC	0.8		
BARIUM	5.9		
BERYLLIUM	0.12	U	A
CADMIUM	0.04		
CALCIUM	214000		
CHROMIUM	5.6		
COBALT	0.25		
COPPER	2.2		
IRON	612		
LEAD	10		
MAGNESIUM	1700		
MANGANESE	21.8		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	127	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	238		
THALLIUM	0.34	U	
TIN	2.1	U	A
VANADIUM	4.9		
ZINC	3.7		

nsample	C03V-07N-12-0804
samp_date	8/3/2004
lab_id	WU2358-002
qc_type	NM
units	MG/KG
Pct_Solids	93.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	750		
ANTIMONY	0.88	U	A
ARSENIC	0.83		
BARIUM	6		
BERYLLIUM	0.1	U	A
CADMIUM	0.04		
CALCIUM	222000		
CHROMIUM	5.9		
COBALT	0.26		
COPPER	1.8		
IRON	577		
LEAD	1.2		
MAGNESIUM	1750		
MANGANESE	22		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	94.9	U	A
SELENIUM	0.34	U	
SILVER	0.06	U	
SODIUM	239		
THALLIUM	0.37	U	
TIN	2.2	U	A
VANADIUM	4.9		
ZINC	1.4		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-06F-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 76.9 **Lab Sample ID:** WU2358-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	605			P	1	24	1.48
7440-36-0	ANTIMONY, TOTAL	3.2			P	1	0.64	0.19
7440-38-2	ARSENIC, TOTAL	1.7			P	1	0.64	0.24
7440-39-3	BARIUM, TOTAL	42.2			P	1	0.40	0.01
7440-41-7	BERYLLIUM, TOTAL	0.07	B		P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.98			P	1	0.81	0.02
7440-70-2	CALCIUM, TOTAL	325000			P	10	40	2.53
7440-47-3	CHROMIUM, TOTAL	7.8			P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.27	B		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	20.8			P	1	2.0	0.07
7439-89-6	IRON, TOTAL	2080			P	1	8.1	0.86
7439-92-1	LEAD, TOTAL	279		N	P	1	0.40	0.14
7439-95-4	MAGNESIUM, TOTAL	3650			P	1	4.0	0.61
7439-96-5	MANGANESE, TOTAL	23.6			P	1	0.40	0.01
7439-97-6	MERCURY, TOTAL	0.15			CV	1	0.024	0.01
7440-02-0	NICKEL, TOTAL	1.7	B		P	1	3.2	0.07
7440-09-7	POTASSIUM, TOTAL	82.8			P	1	81	19.21
7782-49-2	SELENIUM, TOTAL	0.30	U		P	1	0.81	0.30
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	1460			P	1	81	1.54
7440-28-0	THALLIUM, TOTAL	0.33	U		P	1	1.2	0.33
7440-31-5	TIN, TOTAL	6.2	B		P	1	8.1	0.14
7440-62-2	VANADIUM, TOTAL	3.6			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	130			P	1	2.0	0.02

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:** C03V-06N-06-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 95.5 **Lab Sample ID:** WU2358-011

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	719			P	1	24	1.48
7440-36-0	ANTIMONY, TOTAL	0.60	B		P	1	0.65	0.19
7440-38-2	ARSENIC, TOTAL	0.91			P	1	0.65	0.25
7440-39-3	BARIUM, TOTAL	8.6			P	1	0.40	0.01
7440-41-7	BERYLLIUM, TOTAL	0.11	B		P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.10	B		P	1	0.81	0.02
7440-70-2	CALCIUM, TOTAL	215000			P	10	40	2.54
7440-47-3	CHROMIUM, TOTAL	7.0			P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.29	B		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	7.5			P	1	2.0	0.07
7439-89-6	IRON, TOTAL	887			P	1	8.1	0.87
7439-92-1	LEAD, TOTAL	53.3		N	P	1	0.40	0.14
7439-95-4	MAGNESIUM, TOTAL	1720			P	1	4.0	0.61
7439-96-5	MANGANESE, TOTAL	22.7			P	1	0.40	0.01
7439-97-6	MERCURY, TOTAL	0.04			CV	1	0.025	0.01
7440-02-0	NICKEL, TOTAL	1.3	B		P	1	3.2	0.07
7440-09-7	POTASSIUM, TOTAL	71.4	B		P	1	81	19.31
7782-49-2	SELENIUM, TOTAL	0.30	U		P	1	0.81	0.30
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	312			P	1	81	1.55
7440-28-0	THALLIUM, TOTAL	0.33	U		P	1	1.2	0.33
7440-31-5	TIN, TOTAL	2.5	B		P	1	8.1	0.15
7440-62-2	VANADIUM, TOTAL	5.0			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	21.2			P	1	2.0	0.02

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:** C03V-06N-12-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 92.7 **Lab Sample ID:** WU2358-012

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	741			P	1	25	1.51
7440-36-0	ANTIMONY, TOTAL	0.50	B		P	1	0.66	0.19
7440-38-2	ARSENIC, TOTAL	0.89			P	1	0.66	0.25
7440-39-3	BARIUM, TOTAL	8.1			P	1	0.41	0.01
7440-41-7	BERYLLIUM, TOTAL	0.13	B		P	1	0.41	0.02
7440-43-9	CADMIUM, TOTAL	0.13	B		P	1	0.82	0.02
7440-70-2	CALCIUM, TOTAL	227000			P	10	41	2.58
7440-47-3	CHROMIUM, TOTAL	6.8			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.28	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	8.5			P	1	2.0	0.07
7439-89-6	IRON, TOTAL	648			P	1	8.2	0.88
7439-92-1	LEAD, TOTAL	30.6		N	P	1	0.41	0.14
7439-95-4	MAGNESIUM, TOTAL	1740			P	1	4.1	0.62
7439-96-5	MANGANESE, TOTAL	22.4			P	1	0.41	0.01
7439-97-6	MERCURY, TOTAL	0.04			CV	1	0.022	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	130			P	1	82	19.59
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.82	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	300			P	1	82	1.57
7440-28-0	THALLIUM, TOTAL	0.34	U		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	2.3	B		P	1	8.2	0.15
7440-62-2	VANADIUM, TOTAL	5.1			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	11.6			P	1	2.0	0.02

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:** C03V-06N-24-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 91.8 **Lab Sample ID:** WU2358-013

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	732			P	1	26	1.56
7440-36-0	ANTIMONY, TOTAL	0.50	B		P	1	0.68	0.20
7440-38-2	ARSENIC, TOTAL	1.1			P	1	0.68	0.26
7440-39-3	BARIUM, TOTAL	9.2			P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.12	B		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.18	B		P	1	0.85	0.03
7440-70-2	CALCIUM, TOTAL	222000			P	10	42	2.66
7440-47-3	CHROMIUM, TOTAL	8.3			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.28	B		P	1	2.6	0.05
7440-50-8	COPPER, TOTAL	12.0			P	1	2.1	0.07
7439-89-6	IRON, TOTAL	992			P	1	8.5	0.91
7439-92-1	LEAD, TOTAL	76.3		N	P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	1690			P	1	4.2	0.64
7439-96-5	MANGANESE, TOTAL	22.9			P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.01	B		CV	1	0.024	0.01
7440-02-0	NICKEL, TOTAL	1.3	B		P	1	3.4	0.07
7440-09-7	POTASSIUM, TOTAL	96.0			P	1	85	20.26
7782-49-2	SELENIUM, TOTAL	0.32	U		P	1	0.85	0.32
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	350			P	1	85	1.63
7440-28-0	THALLIUM, TOTAL	0.35	U		P	1	1.3	0.35
7440-31-5	TIN, TOTAL	2.7	B		P	1	8.5	0.15
7440-62-2	VANADIUM, TOTAL	4.9			P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	31.7			P	1	2.1	0.02

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:** C03V-06W-12-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 90.3 **Lab Sample ID:** WU2358-014

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	107			P	1	25	1.55
7440-36-0	ANTIMONY, TOTAL	0.38	B		P	1	0.68	0.20
7440-38-2	ARSENIC, TOTAL	0.62	B		P	1	0.68	0.26
7440-39-3	BARIUM, TOTAL	6.5			P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.03	U		P	1	0.84	0.03
7440-70-2	CALCIUM, TOTAL	330000			P	10	42	2.64
7440-47-3	CHROMIUM, TOTAL	2.0			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.08	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	3.5			P	1	2.1	0.07
7439-89-6	IRON, TOTAL	206			P	1	8.4	0.90
7439-92-1	LEAD, TOTAL	5.9		N	P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	883			P	1	4.2	0.64
7439-96-5	MANGANESE, TOTAL	2.3			P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.04			CV	1	0.025	0.01
7440-02-0	NICKEL, TOTAL	0.60	B		P	1	3.4	0.07
7440-09-7	POTASSIUM, TOTAL	61.3	B		P	1	84	20.11
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.84	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	1190			P	1	84	1.61
7440-28-0	THALLIUM, TOTAL	0.35	U		P	1	1.3	0.35
7440-31-5	TIN, TOTAL	2.6	B		P	1	8.4	0.15
7440-62-2	VANADIUM, TOTAL	1.3	B		P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	5.3			P	1	2.1	0.02

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:** C03V-06W-24-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 89.5 **Lab Sample ID:** WU2358-015

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	206			P	1	28	1.72
7440-36-0	ANTIMONY, TOTAL	0.85			P	1	0.75	0.22
7440-38-2	ARSENIC, TOTAL	0.45	B		P	1	0.75	0.28
7440-39-3	BARIUM, TOTAL	17.6			P	1	0.47	0.02
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.47	0.02
7440-43-9	CADMIUM, TOTAL	0.11	B		P	1	0.94	0.03
7440-70-2	CALCIUM, TOTAL	374000			P	10	47	2.94
7440-47-3	CHROMIUM, TOTAL	2.8			P	1	1.4	0.08
7440-48-4	COBALT, TOTAL	0.11	B		P	1	2.8	0.06
7440-50-8	COPPER, TOTAL	10.7			P	1	2.3	0.08
7439-89-6	IRON, TOTAL	594			P	1	9.4	1.00
7439-92-1	LEAD, TOTAL	68.8		N	P	1	0.47	0.16
7439-95-4	MAGNESIUM, TOTAL	1740			P	1	4.7	0.71
7439-96-5	MANGANESE, TOTAL	6.4			P	1	0.47	0.01
7439-97-6	MERCURY, TOTAL	0.06			CV	1	0.027	0.01
7440-02-0	NICKEL, TOTAL	0.94	B		P	1	3.8	0.08
7440-09-7	POTASSIUM, TOTAL	22.35	U		P	1	94	22.35
7782-49-2	SELENIUM, TOTAL	0.35	U		P	1	0.94	0.35
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.4	0.07
7440-23-5	SODIUM, TOTAL	1580			P	1	94	1.79
7440-28-0	THALLIUM, TOTAL	0.38	U		P	1	1.4	0.38
7440-31-5	TIN, TOTAL	3.7	B		P	1	9.4	0.17
7440-62-2	VANADIUM, TOTAL	1.6	B		P	1	2.3	0.07
7440-66-6	ZINC, TOTAL	37.2			P	1	2.3	0.02

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:** C03V-07E-06-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 95.6 **Lab Sample ID:** WU2358-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	719			P	1	22	1.33
7440-36-0	ANTIMONY, TOTAL	0.21	B		P	1	0.58	0.17
7440-38-2	ARSENIC, TOTAL	0.84			P	1	0.58	0.22
7440-39-3	BARIUM, TOTAL	6.8			P	1	0.36	0.01
7440-41-7	BERYLLIUM, TOTAL	0.12	B		P	1	0.36	0.02
7440-43-9	CADMIUM, TOTAL	0.07	B		P	1	0.73	0.02
7440-70-2	CALCIUM, TOTAL	225000			P	10	36	2.27
7440-47-3	CHROMIUM, TOTAL	5.5			P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.29	B		P	1	2.2	0.05
7440-50-8	COPPER, TOTAL	2.9			P	1	1.8	0.06
7439-89-6	IRON, TOTAL	600			P	1	7.3	0.78
7439-92-1	LEAD, TOTAL	12.2		N	P	1	0.36	0.12
7439-95-4	MAGNESIUM, TOTAL	1800			P	1	3.6	0.55
7439-96-5	MANGANESE, TOTAL	22.8			P	1	0.36	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.025	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	2.9	0.06
7440-09-7	POTASSIUM, TOTAL	114			P	1	73	17.28
7782-49-2	SELENIUM, TOTAL	0.27	U		P	1	0.73	0.27
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.1	0.05
7440-23-5	SODIUM, TOTAL	252			P	1	73	1.39
7440-28-0	THALLIUM, TOTAL	0.30	U		P	1	1.1	0.30
7440-31-5	TIN, TOTAL	2.1	B		P	1	7.3	0.13
7440-62-2	VANADIUM, TOTAL	4.9			P	1	1.8	0.05
7440-66-6	ZINC, TOTAL	7.3			P	1	1.8	0.02

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:** C03V-07E-12-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 94.8 **Lab Sample ID:** WU2358-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	762			P	1	25	1.52
7440-36-0	ANTIMONY, TOTAL	0.37	B		P	1	0.66	0.19
7440-38-2	ARSENIC, TOTAL	0.78			P	1	0.66	0.25
7440-39-3	BARIUM, TOTAL	6.1			P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.12	B		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.04	B		P	1	0.83	0.02
7440-70-2	CALCIUM, TOTAL	230000			P	10	42	2.60
7440-47-3	CHROMIUM, TOTAL	5.7			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.20	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	1.6	B		P	1	2.1	0.07
7439-89-6	IRON, TOTAL	591			P	1	8.3	0.89
7439-92-1	LEAD, TOTAL	1.5		N	P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	1780			P	1	4.2	0.62
7439-96-5	MANGANESE, TOTAL	22.6			P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.023	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	88.8			P	1	83	19.78
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.83	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	234			P	1	83	1.59
7440-28-0	THALLIUM, TOTAL	0.34	U		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	2.2	B		P	1	8.3	0.15
7440-62-2	VANADIUM, TOTAL	5.0			P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	1.4	B		P	1	2.1	0.02

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:** C03V-07E-24-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 93.0 **Lab Sample ID:** WU2358-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	675			P	1	22	1.37
7440-36-0	ANTIMONY, TOTAL	0.17	U		P	1	0.60	0.17
7440-38-2	ARSENIC, TOTAL	0.91			P	1	0.60	0.23
7440-39-3	BARIUM, TOTAL	6.0			P	1	0.37	0.01
7440-41-7	BERYLLIUM, TOTAL	0.09	B		P	1	0.37	0.02
7440-43-9	CADMIUM, TOTAL	0.04	B		P	1	0.75	0.02
7440-70-2	CALCIUM, TOTAL	221000			P	10	37	2.34
7440-47-3	CHROMIUM, TOTAL	4.9			P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.28	B		P	1	2.2	0.05
7440-50-8	COPPER, TOTAL	1.7	B		P	1	1.9	0.06
7439-89-6	IRON, TOTAL	538			P	1	7.5	0.80
7439-92-1	LEAD, TOTAL	2.1		N	P	1	0.37	0.13
7439-95-4	MAGNESIUM, TOTAL	1720			P	1	3.7	0.56
7439-96-5	MANGANESE, TOTAL	21.4			P	1	0.37	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.022	0.01
7440-02-0	NICKEL, TOTAL	0.99	B		P	1	3.0	0.06
7440-09-7	POTASSIUM, TOTAL	92.8			P	1	75	17.77
7782-49-2	SELENIUM, TOTAL	0.28	U		P	1	0.75	0.28
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.1	0.05
7440-23-5	SODIUM, TOTAL	221			P	1	75	1.43
7440-28-0	THALLIUM, TOTAL	0.31	U		P	1	1.1	0.31
7440-31-5	TIN, TOTAL	2.0	B		P	1	7.5	0.13
7440-62-2	VANADIUM, TOTAL	4.6			P	1	1.9	0.06
7440-66-6	ZINC, TOTAL	1.8	B		P	1	1.9	0.02

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:** C03V-07F-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 93.8 **Lab Sample ID:** WU2358-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	739			P	1	21	1.28
7440-36-0	ANTIMONY, TOTAL	0.16	U		P	1	0.56	0.16
7440-38-2	ARSENIC, TOTAL	0.91			P	1	0.56	0.21
7440-39-3	BARIUM, TOTAL	7.0			P	1	0.35	0.01
7440-41-7	BERYLLIUM, TOTAL	0.1	B		P	1	0.35	0.02
7440-43-9	CADMIUM, TOTAL	0.07	B		P	1	0.70	0.02
7440-70-2	CALCIUM, TOTAL	240000			P	10	35	2.18
7440-47-3	CHROMIUM, TOTAL	5.3			P	1	1.0	0.06
7440-48-4	COBALT, TOTAL	0.23	B		P	1	2.1	0.04
7440-50-8	COPPER, TOTAL	6.0			P	1	1.7	0.06
7439-89-6	IRON, TOTAL	606			P	1	7.0	0.75
7439-92-1	LEAD, TOTAL	44.7		N	P	1	0.35	0.12
7439-95-4	MAGNESIUM, TOTAL	1750			P	1	3.5	0.52
7439-96-5	MANGANESE, TOTAL	21.7			P	1	0.35	0.01
7439-97-6	MERCURY, TOTAL	0.01	B		CV	1	0.023	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	2.8	0.06
7440-09-7	POTASSIUM, TOTAL	124			P	1	70	16.59
7782-49-2	SELENIUM, TOTAL	0.26	U		P	1	0.70	0.26
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.0	0.05
7440-23-5	SODIUM, TOTAL	303			P	1	70	1.33
7440-28-0	THALLIUM, TOTAL	0.29	U		P	1	1.0	0.29
7440-31-5	TIN, TOTAL	1.9	B		P	1	7.0	0.12
7440-62-2	VANADIUM, TOTAL	4.8			P	1	1.7	0.05
7440-66-6	ZINC, TOTAL	7.3			P	1	1.7	0.02

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:** C03V-07N-06-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 93.6 **Lab Sample ID:** WU2358-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	731			P	1	25	1.52
7440-36-0	ANTIMONY, TOTAL	0.76			P	1	0.66	0.19
7440-38-2	ARSENIC, TOTAL	0.80			P	1	0.66	0.25
7440-39-3	BARIUM, TOTAL	5.9			P	1	0.41	0.01
7440-41-7	BERYLLIUM, TOTAL	0.12	B		P	1	0.41	0.02
7440-43-9	CADMIUM, TOTAL	0.04	B		P	1	0.83	0.02
7440-70-2	CALCIUM, TOTAL	214000			P	10	41	2.59
7440-47-3	CHROMIUM, TOTAL	5.6			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.25	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	2.2			P	1	2.1	0.07
7439-89-6	IRON, TOTAL	612			P	1	8.3	0.89
7439-92-1	LEAD, TOTAL	10.0		N	P	1	0.41	0.14
7439-95-4	MAGNESIUM, TOTAL	1700			P	1	4.1	0.62
7439-96-5	MANGANESE, TOTAL	21.8			P	1	0.41	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.023	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	127			P	1	83	19.72
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.83	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	238			P	1	83	1.58
7440-28-0	THALLIUM, TOTAL	0.34	U		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	2.1	B		P	1	8.3	0.15
7440-62-2	VANADIUM, TOTAL	4.9			P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	3.7			P	1	2.1	0.02

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:** C03V-07N-12-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 93.3 **Lab Sample ID:** WU2358-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	750			P	1	27	1.66
7440-36-0	ANTIMONY, TOTAL	0.88			P	1	0.73	0.21
7440-38-2	ARSENIC, TOTAL	0.83			P	1	0.73	0.28
7440-39-3	BARIUM, TOTAL	6.0			P	1	0.45	0.02
7440-41-7	BERYLLIUM, TOTAL	0.1	B		P	1	0.45	0.02
7440-43-9	CADMIUM, TOTAL	0.04	B		P	1	0.91	0.03
7440-70-2	CALCIUM, TOTAL	222000			P	10	45	2.84
7440-47-3	CHROMIUM, TOTAL	5.9			P	1	1.4	0.07
7440-48-4	COBALT, TOTAL	0.26	B		P	1	2.7	0.06
7440-50-8	COPPER, TOTAL	1.8	B		P	1	2.3	0.08
7439-89-6	IRON, TOTAL	577			P	1	9.1	0.97
7439-92-1	LEAD, TOTAL	1.2		N	P	1	0.45	0.15
7439-95-4	MAGNESIUM, TOTAL	1750			P	1	4.5	0.68
7439-96-5	MANGANESE, TOTAL	22.0			P	1	0.45	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.024	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.6	0.08
7440-09-7	POTASSIUM, TOTAL	94.9			P	1	91	21.62
7782-49-2	SELENIUM, TOTAL	0.34	U		P	1	0.91	0.34
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.4	0.06
7440-23-5	SODIUM, TOTAL	239			P	1	91	1.74
7440-28-0	THALLIUM, TOTAL	0.37	U		P	1	1.4	0.37
7440-31-5	TIN, TOTAL	2.2	B		P	1	9.1	0.16
7440-62-2	VANADIUM, TOTAL	4.9			P	1	2.3	0.07
7440-66-6	ZINC, TOTAL	1.4	B		P	1	2.3	0.02

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:** C03V-07N-24-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 94.3 **Lab Sample ID:** WU2358-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	772			P	1	26	1.60
7440-36-0	ANTIMONY, TOTAL	0.54	B		P	1	0.70	0.21
7440-38-2	ARSENIC, TOTAL	0.82			P	1	0.70	0.27
7440-39-3	BARIUM, TOTAL	6.1			P	1	0.44	0.01
7440-41-7	BERYLLIUM, TOTAL	0.12	B		P	1	0.44	0.02
7440-43-9	CADMIUM, TOTAL	0.04	B		P	1	0.88	0.03
7440-70-2	CALCIUM, TOTAL	224000			P	10	44	2.74
7440-47-3	CHROMIUM, TOTAL	6.0			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.22	B		P	1	2.6	0.06
7440-50-8	COPPER, TOTAL	1.8	B		P	1	2.2	0.08
7439-89-6	IRON, TOTAL	574			P	1	8.8	0.94
7439-92-1	LEAD, TOTAL	3.4		N	P	1	0.44	0.15
7439-95-4	MAGNESIUM, TOTAL	1700			P	1	4.4	0.66
7439-96-5	MANGANESE, TOTAL	21.5			P	1	0.44	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.026	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	3.5	0.07
7440-09-7	POTASSIUM, TOTAL	96.4			P	1	88	20.85
7782-49-2	SELENIUM, TOTAL	0.33	U		P	1	0.88	0.33
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	268			P	1	88	1.67
7440-28-0	THALLIUM, TOTAL	0.36	U		P	1	1.3	0.36
7440-31-5	TIN, TOTAL	2.2	B		P	1	8.8	0.16
7440-62-2	VANADIUM, TOTAL	5.1			P	1	2.2	0.07
7440-66-6	ZINC, TOTAL	2.1	B		P	1	2.2	0.02

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:** C03V-DUP01-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 95.7 **Lab Sample ID:** WU2358-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	759			P	1	24	1.49
7440-36-0	ANTIMONY, TOTAL	0.24	B		P	1	0.65	0.19
7440-38-2	ARSENIC, TOTAL	0.91			P	1	0.65	0.25
7440-39-3	BARIUM, TOTAL	5.9			P	1	0.41	0.01
7440-41-7	BERYLLIUM, TOTAL	0.11	B		P	1	0.41	0.02
7440-43-9	CADMIUM, TOTAL	0.03	B		P	1	0.82	0.02
7440-70-2	CALCIUM, TOTAL	225000			P	10	41	2.56
7440-47-3	CHROMIUM, TOTAL	5.4			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.24	B		P	1	2.4	0.05
7440-50-8	COPPER, TOTAL	1.2	B		P	1	2.0	0.07
7439-89-6	IRON, TOTAL	580			P	1	8.2	0.87
7439-92-1	LEAD, TOTAL	0.84		N	P	1	0.41	0.14
7439-95-4	MAGNESIUM, TOTAL	1760			P	1	4.1	0.61
7439-96-5	MANGANESE, TOTAL	22.3			P	1	0.41	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.022	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	69.2	B		P	1	82	19.43
7782-49-2	SELENIUM, TOTAL	0.30	U		P	1	0.82	0.30
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	241			P	1	82	1.56
7440-28-0	THALLIUM, TOTAL	0.33	U		P	1	1.2	0.33
7440-31-5	TIN, TOTAL	2.2	B		P	1	8.2	0.15
7440-62-2	VANADIUM, TOTAL	5.0			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	1.2	B		P	1	2.0	0.02

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:** C03V-DUP02-0804

Matrix: SOIL **SDG Name:** WU2358

Percent Solids: 91.6 **Lab Sample ID:** WU2358-010

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	770			P	1	26	1.60
7440-36-0	ANTIMONY, TOTAL	0.48	B		P	1	0.70	0.20
7440-38-2	ARSENIC, TOTAL	1.1			P	1	0.70	0.26
7440-39-3	BARIUM, TOTAL	8.7			P	1	0.44	0.01
7440-41-7	BERYLLIUM, TOTAL	0.13	B		P	1	0.44	0.02
7440-43-9	CADMIUM, TOTAL	0.08	B		P	1	0.87	0.03
7440-70-2	CALCIUM, TOTAL	219000			P	10	44	2.73
7440-47-3	CHROMIUM, TOTAL	7.7			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.32	B		P	1	2.6	0.06
7440-50-8	COPPER, TOTAL	8.5			P	1	2.2	0.08
7439-89-6	IRON, TOTAL	1570			P	1	8.7	0.93
7439-92-1	LEAD, TOTAL	31.0		N	P	1	0.44	0.15
7439-95-4	MAGNESIUM, TOTAL	1760			P	1	4.4	0.66
7439-96-5	MANGANESE, TOTAL	25.6			P	1	0.44	0.01
7439-97-6	MERCURY, TOTAL	0.02	B		CV	1	0.025	0.01
7440-02-0	NICKEL, TOTAL	1.4	B		P	1	3.5	0.07
7440-09-7	POTASSIUM, TOTAL	127			P	1	87	20.77
7782-49-2	SELENIUM, TOTAL	0.32	U		P	1	0.87	0.32
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	288			P	1	87	1.67
7440-28-0	THALLIUM, TOTAL	0.36	U		P	1	1.3	0.36
7440-31-5	TIN, TOTAL	2.5	B		P	1	8.7	0.16
7440-62-2	VANADIUM, TOTAL	5.0			P	1	2.2	0.07
7440-66-6	ZINC, TOTAL	11.8			P	1	2.2	0.02

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2358-9
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943·
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-06F-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	77. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2358-11
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-06N-06-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	96. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2358-12
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-06N-12-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
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Lab Sample ID: WU2358-13
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-06N-24-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	92. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
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Lab Sample ID: WU2358-14
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-06W-12-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	90. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Client: Amy Thomson
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Lab Sample ID: WU2358-15
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-06W-24-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	89. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Client: Amy Thomson
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Lab Sample ID: WU2358-5
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-07E-06-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	96. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Client: Amy Thomson
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Lab Sample ID: WU2358-6
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-07E-12-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	95. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
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Lab Sample ID: WU2358-7
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-07E-24-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Client: Amy Thomson
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Lab Sample ID: WU2358-8
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-07F-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Client: Amy Thomson
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Lab Sample ID: WU2358-1
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-07N-06-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Client: Amy Thomson
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Lab Sample ID: WU2358-2
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-07N-12-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Client: Amy Thomson
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Lab Sample ID: WU2358-3
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-07N-24-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
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Lab Sample ID: WU2358-4
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-DUP01-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	96. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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Client: Amy Thomson
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Lab Sample ID: WU2358-10
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2358

Sample Description	Matrix	Date Sampled	Date Received
C03V-DUP02-0804	SL	03-AUG-04	04-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	92. %	.1	CLP SOW 788	WG9030	05-AUG-04	JF	CLP SOW 788	04-AUG-04	JF	

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APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG WU2358

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-07N-06-0804	WU2358-001	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06F-0804	WU2358-009	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-DUP02-0804	WU2358-010	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-DUP01-0804	WU2358-004	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07N-12-0804	WU2358-002	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07F-0804	WU2358-008	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07E-24-0804	WU2358-007	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06N-12-0804	WU2358-012	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07E-06-0804	WU2358-005	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06W-24-0804	WU2358-015	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06W-12-0804	WU2358-014	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06N-06-0804	WU2358-011	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-06N-24-0804	WU2358-013	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07E-12-0804	WU2358-006	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2
HG	MG/KG	C03V-07N-24-0804	WU2358-003	NM	08/03/2004	08/05/2004	08/05/2004	2	0	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-07F-0804	WU2358-008	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07F-0804	WU2358-008	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07E-24-0804	WU2358-007	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07E-24-0804	WU2358-007	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07E-12-0804	WU2358-006	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07F-0804	WU2358-008	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07N-24-0804	WU2358-003	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07E-24-0804	WU2358-007	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07N-06-0804	WU2358-001	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07N-06-0804	WU2358-001	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07N-06-0804	WU2358-001	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07N-12-0804	WU2358-002	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07N-12-0804	WU2358-002	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07E-12-0804	WU2358-006	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07N-24-0804	WU2358-003	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-06N-24-0804	WU2358-013	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07N-12-0804	WU2358-002	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-DUP01-0804	WU2358-004	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-06F-0804	WU2358-009	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-06F-0804	WU2358-009	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-06F-0804	WU2358-009	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-06N-06-0804	WU2358-011	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-06N-06-0804	WU2358-011	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-06N-12-0804	WU2358-012	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-06W-12-0804	WU2358-014	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-06N-24-0804	WU2358-013	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07E-12-0804	WU2358-006	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-06W-12-0804	WU2358-014	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-06W-24-0804	WU2358-015	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-06W-24-0804	WU2358-015	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-07E-06-0804	WU2358-005	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07E-06-0804	WU2358-005	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
M	MG/KG	C03V-07E-06-0804	WU2358-005	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-06N-12-0804	WU2358-012	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-DUP01-0804	WU2358-004	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-DUP02-0804	WU2358-010	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-DUP02-0804	WU2358-010	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
M	MG/KG	C03V-DUP01-0804	WU2358-004	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
M	MG/KG	C03V-07N-24-0804	WU2358-003	NM	08/03/2004	08/04/2004	08/06/2004	1	2	3
TS	%	C03V-06W-24-0804	WU2358-15	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-06F-0804	WU2358-9	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07N-24-0804	WU2358-3	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07N-12-0804	WU2358-2	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07N-06-0804	WU2358-1	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07F-0804	WU2358-8	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07E-24-0804	WU2358-7	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-DUP01-0804	WU2358-4	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07E-06-0804	WU2358-5	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-06W-12-0804	WU2358-14	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-06N-24-0804	WU2358-13	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-06N-12-0804	WU2358-12	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-06N-06-0804	WU2358-11	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-DUP02-0804	WU2358-10	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
TS	%	C03V-07E-12-0804	WU2358-6	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-07N-24-0804	WU2358-3	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-DUP01-0804	WU2358-4	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07N-12-0804	WU2358-2	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07N-06-0804	WU2358-1	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07F-0804	WU2358-8	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07E-24-0804	WU2358-7	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07E-12-0804	WU2358-6	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-07E-06-0804	WU2358-5	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	%	C03V-06W-24-0804	WU2358-15DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	%	C03V-06W-12-0804	WU2358-14	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	%	C03V-06N-24-0804	WU2358-13	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	%	C03V-06N-12-0804	WU2358-12	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	%	C03V-06N-06-0804	WU2358-11DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	%	C03V-06F-0804	WU2358-9REDL	NM	08/03/2004	08/05/2004	08/09/2004	2	4	6
PCB	%	C03V-DUP02-0804	WU2358-10DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-06W-12-0804	WU2358-14	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-DUP02-0804	WU2358-10DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-DUP01-0804	WU2358-4	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-07N-24-0804	WU2358-3	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-07N-12-0804	WU2358-2	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-07N-06-0804	WU2358-1	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-07F-0804	WU2358-8	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-07E-24-0804	WU2358-7	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-07E-12-0804	WU2358-6	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1
PCB	UG/KG	C03V-06W-24-0804	WU2358-15DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-06N-24-0804	WU2358-13	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-06N-12-0804	WU2358-12	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-06N-06-0804	WU2358-11DL	NM	08/03/2004	08/04/2004	08/05/2004	1	1	2
PCB	UG/KG	C03V-06F-0804	WU2358-9REDL	NM	08/03/2004	08/05/2004	08/09/2004	2	4	6
PCB	UG/KG	C03V-07E-06-0804	WU2358-5	NM	08/03/2004	08/04/2004	08/04/2004	1	0	1

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: TETRA TECH NUS
Contact: CHUCK BRYAN
Phone #: (305) 360-1548
Fax #: (803) 842-3454
Address: 900 TRAIL RIDGE ROAD
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693-SK0060100
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): CHUCK BRYAN / [signature]
Copies To:

LAB USE ONLY
WORK ORDER #: WM2358
KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL METALS (Filt. ☐Y ☐N)	TCL PCB (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
	C03V-07N-06-0804	8-3-04/1509	SOIL	1	✓	✓								
	C03V-07N-12-0804	8-3-04/1512	SOIL	1	✓	✓								
	C03V-07N-24-0804	8-3-04/1515	SOIL	1	✓	✓								
	C03V-DUP01-0804	8-3-04/	SOIL	1	✓	✓								
	C03V-07E-06-0804	8-3-04/1528	SOIL	1	✓	✓								
	C03V-07E-12-0804	8-3-04/1532	SOIL	1	✓	✓								
	C03V-07E-24-0804	8-3-04/1535	SOIL	1	✓	✓								
	C03V-07F-0804	8-3-04/1348	SOIL	1	✓	✓								
	C03V-06F-0804	8-3-04/1353	SOIL	1	✓	✓								
	C03V-DUP02-0804	8-3-04/1356	SOIL	1	✓	✓								
	C03V-06N-06-0804	8-3-04/1602	SOIL	1	✓	✓								
	C03V-06N-12-0804	8-3-04/1606	SOIL	1	✓	✓								
	C03V-06N-24-0804	8-3-04/1610	SOIL	1	✓	✓								
	C03V-06W-12-0804	8-3-04/1613	SOIL	1	✓	✓								
	C03V-06W-24-0804	8-3-04/1617	SOIL	1	✓	✓								
		/												

COMMENTS
48-HOUR TAT

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	8-3-04 1725	[signature]	8/4/04 0853		
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.

0000001

ORIGINAL

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2358

Sample Receipt

The following samples were received on August 4, 2004 and were logged in under Katahdin Analytical Services work order number WU2358 for a hardcopy due date of August 30, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2358-1	C03V-07N-06-0804
WU2358-2	C03V-07N-12-0804
WU2358-3	C03V-07N-24-0804
WU2358-4	C03V-DUP01-0804
WU2358-5	C03V-07E-06-0804
WU2358-6	C03V-07E-12-0804
WU2358-7	C03V-07E-24-0804
WU2358-8	C03V-07F-0804
WU2358-9	C03V-06F-0804
WU2358-10	C03V-DUP02-0804
WU2358-11	C03V-06N-06-0804
WU2358-12	C03V-06N-12-0804
WU2358-13	C03V-06N-24-0804
WU2358-14	C03V-06W-12-0804
WU2358-15	C03V-06W-24-0804

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 Analysis

The samples of Work Order WU2358 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, U.S. EPA, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been

performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation reports.

8082 Analysis

The method blank, WG9003-1, and the matrix spike duplicate, WG9033-3, had high recoveries for the extraction surrogate TCX on one channel, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX were within the acceptance limits on the second channel and DCB on both channels, the samples were not reanalyzed.

The method blank, WG9033-1, and the laboratory control sample, WG9033-2, had high recoveries for the extraction surrogate TCX, which were outside of the laboratory established acceptance limits. Since the recoveries for other surrogate, DCB, were within the acceptance limits, the samples were not reanalyzed.

The laboratory control sample, WG9003-2, had a low recovery for the extraction surrogate TCX, which was outside of the laboratory established acceptance limits. Since the recovery for other surrogate, DCB, was within the acceptance limits, as well as the recoveries of the spiked target analytes, the samples were not reanalyzed.

Samples WU2358-8 and 13 had low recoveries for the extraction surrogate DCB on channel A, which were outside of the laboratory established acceptance limits. Since the recoveries for DCB were within the acceptance limits on the channel B and TCX on both channels, the samples were not reanalyzed.

The matrix spike sample, WG9003-4, had a low recovery for the extraction surrogate DCB, which was outside of the laboratory established acceptance limits. Since the recovery for other surrogate, TCX, was within the acceptance limits, the samples were not reanalyzed.

The calibration verification standards (CV) (files 6UH2037, 6UH2042 and 6UH2118) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The closing CV (file 6UH1065 and 6UH2065) had high responses for TCX on both channels and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the opening CV had acceptable responses, the associated samples were not reanalyzed.

The CVs (files 6UH1088, 6UH2088, 6UH1101, and 6UH2101) had high responses for TCX on both channels and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%.

Sample WU2358-15 was used for a matrix spike (MS) and matrix spike duplicate (MSD) sample, per client request. The recoveries for Aroclor 1260 were non-calculable (NC) due to the concentration in the native sample being higher than in the MS and MSD. This is likely due to a non-homogeneous sample.

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

Metals Analysis

The samples of Katahdin Work Order WU2358 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. WU2358-(1-15) were digested for ICP analysis on 08/04/04 (QC Batch UH04ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2358-1 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.104 mg/L, corresponding to a dry-weight concentration of 10.4 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of Work Order WU2358 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2358-(1-15) were digested for mercury analysis on 08/05/04 (QC Batch UH05HGS0) in accordance with USEPA Method 7471A. Katahdin Sample No. WU2358-1 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin Work Order WU2358 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

Recoveries for lead in the matrix-spike (73.2%) and matrix spike duplicate (73.1%) aliquots of Katahdin Sample No. WU2358-1 are outside the laboratory's acceptance limits. The recoveries for all other elements 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).

The matrix-spike duplicate analyses of Katahdin Sample No. WU2358-1 is within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

The serial dilution analysis of Katahdin Sample No. WU2358-1 is 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.

Katahdin
ANALYTICAL SERVICES

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Wet Chemistry Analysis

The samples of Katahdin Work Order WU2358 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

Maria Crouch
08.24.04
Maria Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WU2358 **SOW No.** SW846

Client Field ID	Lab Sample ID
C03V-06F-0804	WU2358-009
C03V-06N-06-0804	WU2358-011
C03V-06N-12-0804	WU2358-012
C03V-06N-24-0804	WU2358-013
C03V-06W-12-0804	WU2358-014
C03V-06W-24-0804	WU2358-015
C03V-07E-06-0804	WU2358-005
C03V-07E-12-0804	WU2358-006
C03V-07E-24-0804	WU2358-007
C03V-07F-0804	WU2358-008
C03V-07N-06-0804	WU2358-001
C03V-07N-06-0804	WU2358-001P
C03V-07N-06-0804	WU2358-001S
C03V-07N-12-0804	WU2358-002
C03V-07N-24-0804	WU2358-003
C03V-DUP01-0804	WU2358-004
C03V-DUP02-0804	WU2358-010

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: George Brewer Name: George Brewer

Date: 08/21/2004 Title: Inorg. Dept. Mgr.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: ICV

File: AUH04A Aug 04, 2004 11:50

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18838.05	94.2
ANTIMONY	600.0	593.95	99.0
ARSENIC	600.0	600.00	100.0
BARIUM	500.0	486.79	97.4
BERYLLIUM	500.0	482.41	96.5
CADMIUM	1250.0	1217.22	97.4
CALCIUM	20000.0	20071.77	100.4
CHROMIUM	500.0	485.98	97.2
COBALT	500.0	487.07	97.4
COPPER	500.0	464.04	92.8
IRON	20000.0	20030.34	100.2
LEAD	550.0	544.71	99.0
MAGNESIUM	20000.0	20626.45	103.1
MANGANESE	500.0	482.63	96.5
NICKEL	1000.0	983.08	98.3
SELENIUM	550.0	534.52	97.2
SILVER	200.0	200.05	100.0
THALLIUM	600.0	597.66	99.6
TIN	500.0	488.18	97.6
VANADIUM	500.0	483.52	96.7
ZINC	1000.0	982.12	98.2

SAMPLE: CCV

File: AUH04A Aug 04, 2004 12:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47686.88	95.4
ANTIMONY	1000.0	973.98	97.4
ARSENIC	1000.0	953.53	95.4
BARIUM	1000.0	990.40	99.0
BERYLLIUM	1000.0	973.90	97.4
CADMIUM	1000.0	967.25	96.7
CALCIUM	50000.0	48250.52	96.5
CHROMIUM	1000.0	959.09	95.9
COBALT	1000.0	956.35	95.6
COPPER	1000.0	973.35	97.3
IRON	20000.0	19187.25	95.9
LEAD	1000.0	955.33	95.5
MAGNESIUM	50000.0	49106.75	98.2
MANGANESE	1000.0	954.39	95.4
NICKEL	1000.0	959.00	95.9
SELENIUM	1000.0	956.90	95.7
SILVER	250.0	249.34	99.7
THALLIUM	1000.0	964.90	96.5
TIN	1000.0	951.20	95.1
VANADIUM	1000.0	965.07	96.5
ZINC	1000.0	975.02	97.5

(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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: AUH04A Aug 04, 2004 13:24

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48847.62	97.7
ANTIMONY	1000.0	1009.80	101.0
ARSENIC	1000.0	998.19	99.8
BARIUM	1000.0	1008.71	100.9
BERYLLIUM	1000.0	999.96	100.0
CADMIUM	1000.0	1001.98	100.2
CALCIUM	50000.0	50137.66	100.3
CHROMIUM	1000.0	996.38	99.6
COBALT	1000.0	1000.48	100.0
COPPER	1000.0	1000.71	100.1
IRON	20000.0	19961.59	99.8
LEAD	1000.0	998.91	99.9
MAGNESIUM	50000.0	50876.99	101.8
MANGANESE	1000.0	991.02	99.1
NICKEL	1000.0	1001.72	100.2
SELENIUM	1000.0	994.58	99.5
SILVER	250.0	257.14	102.9
THALLIUM	1000.0	1001.31	100.1
TIN	1000.0	999.62	100.0
VANADIUM	1000.0	988.40	98.8
ZINC	1000.0	1007.82	100.8

SAMPLE: CCV

File: AUH04A Aug 04, 2004 14:47

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	46546.69	93.1
ANTIMONY	1000.0	985.96	98.6
ARSENIC	1000.0	978.08	97.8
BARIUM	1000.0	959.92	96.0
BERYLLIUM	1000.0	951.36	95.1
CADMIUM	1000.0	964.60	96.5
CALCIUM	50000.0	48640.62	97.3
CHROMIUM	1000.0	961.98	96.2
COBALT	1000.0	975.93	97.6
COPPER	1000.0	962.32	96.2
IRON	20000.0	19422.77	97.1
LEAD	1000.0	983.70	98.4
MAGNESIUM	50000.0	49212.46	98.4
MANGANESE	1000.0	956.19	95.6
NICKEL	1000.0	975.01	97.5
SELENIUM	1000.0	976.10	97.6
SILVER	250.0	248.84	99.5
THALLIUM	1000.0	977.59	97.8
TIN	1000.0	978.24	97.8
VANADIUM	1000.0	940.40	94.0
ZINC	1000.0	970.96	97.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: AUH04A Aug 04, 2004 16:08

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48744.10	97.5
ANTIMONY	1000.0	991.56	99.2
ARSENIC	1000.0	974.06	97.4
BARIUM	1000.0	1008.56	100.9
BERYLLIUM	1000.0	986.61	98.7
CADMIUM	1000.0	976.19	97.6
CALCIUM	50000.0	49231.71	98.5
CHROMIUM	1000.0	978.79	97.9
COBALT	1000.0	973.72	97.4
COPPER	1000.0	991.62	99.2
IRON	20000.0	19622.00	98.1
LEAD	1000.0	973.98	97.4
MAGNESIUM	50000.0	50074.97	100.1
MANGANESE	1000.0	972.04	97.2
NICKEL	1000.0	972.76	97.3
SELENIUM	1000.0	972.24	97.2
SILVER	250.0	253.87	101.5
THALLIUM	1000.0	972.58	97.3
TIN	1000.0	967.99	96.8
VANADIUM	1000.0	982.88	98.3
ZINC	1000.0	988.34	98.8

SAMPLE: CCV

File: AUH04A Aug 04, 2004 17:28

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48612.06	97.2
ANTIMONY	1000.0	1011.72	101.2
ARSENIC	1000.0	1005.19	100.5
BARIUM	1000.0	998.45	99.8
BERYLLIUM	1000.0	995.95	99.6
CADMIUM	1000.0	1000.17	100.0
CALCIUM	50000.0	50284.32	100.6
CHROMIUM	1000.0	1001.65	100.2
COBALT	1000.0	1006.55	100.7
COPPER	1000.0	992.64	99.3
IRON	20000.0	20067.20	100.3
LEAD	1000.0	1005.18	100.5
MAGNESIUM	50000.0	50944.64	101.9
MANGANESE	1000.0	992.80	99.3
NICKEL	1000.0	1004.22	100.4
SELENIUM	1000.0	994.72	99.5
SILVER	250.0	254.81	101.9
THALLIUM	1000.0	997.86	99.8
TIN	1000.0	998.73	99.9
VANADIUM	1000.0	989.56	99.0
ZINC	1000.0	998.73	99.9

(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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: AUH04A Aug 04, 2004 18:51

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49311.50	98.6
ANTIMONY	1000.0	997.21	99.7
ARSENIC	1000.0	984.86	98.5
BARIUM	1000.0	1018.21	101.8
BERYLLIUM	1000.0	1010.97	101.1
CADMIUM	1000.0	1010.20	101.0
CALCIUM	50000.0	50443.85	100.9
CHROMIUM	1000.0	999.88	100.0
COBALT	1000.0	996.79	99.7
COPPER	1000.0	993.54	99.4
IRON	20000.0	19997.33	100.0
LEAD	1000.0	989.87	99.0
MAGNESIUM	50000.0	51088.68	102.2
MANGANESE	1000.0	989.66	99.0
NICKEL	1000.0	998.63	99.9
SELENIUM	1000.0	981.96	98.2
SILVER	250.0	254.46	101.8
THALLIUM	1000.0	990.21	99.0
TIN	1000.0	988.26	98.8
VANADIUM	1000.0	1001.34	100.1
ZINC	1000.0	1003.31	100.3

SAMPLE: CCV

File: AUH04A Aug 04, 2004 20:11

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48667.25	97.3
ANTIMONY	1000.0	1012.29	101.2
ARSENIC	1000.0	1012.18	101.2
BARIUM	1000.0	1004.07	100.4
BERYLLIUM	1000.0	1012.40	101.2
CADMIUM	1000.0	1039.19	103.9
CALCIUM	50000.0	51567.22	103.1
CHROMIUM	1000.0	1010.68	101.1
COBALT	1000.0	1020.88	102.1
COPPER	1000.0	985.22	98.5
IRON	20000.0	20319.21	101.6
LEAD	1000.0	1022.26	102.2
MAGNESIUM	50000.0	51705.81	103.4
MANGANESE	1000.0	998.18	99.8
NICKEL	1000.0	1027.31	102.7
SELENIUM	1000.0	1006.51	100.7
SILVER	250.0	254.57	101.8
THALLIUM	1000.0	1023.65	102.4
TIN	1000.0	1020.98	102.1
VANADIUM	1000.0	993.19	99.3
ZINC	1000.0	1016.13	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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: AUH04A Aug 04, 2004 21:31

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48235.02	96.5
ANTIMONY	1000.0	1023.24	102.3
ARSENIC	1000.0	1018.56	101.9
BARIUM	1000.0	1004.89	100.5
BERYLLIUM	1000.0	997.88	99.8
CADMIUM	1000.0	1034.52	103.5
CALCIUM	50000.0	51249.56	102.5
CHROMIUM	1000.0	1005.94	100.6
COBALT	1000.0	1022.49	102.2
COPPER	1000.0	989.83	99.0
IRON	20000.0	20263.59	101.3
LEAD	1000.0	1025.95	102.6
MAGNESIUM	50000.0	51249.97	102.5
MANGANESE	1000.0	992.46	99.2
NICKEL	1000.0	1029.99	103.0
SELENIUM	1000.0	1012.42	101.2
SILVER	250.0	255.84	102.3
THALLIUM	1000.0	1019.54	102.0
TIN	1000.0	1025.78	102.6
VANADIUM	1000.0	976.46	97.6
ZINC	1000.0	1019.35	101.9

SAMPLE: CCV

File: AUH04A Aug 04, 2004 22:52

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47518.21	95.0
ANTIMONY	1000.0	1034.12	103.4
ARSENIC	1000.0	1026.50	102.6
BARIUM	1000.0	998.23	99.8
BERYLLIUM	1000.0	982.81	98.3
CADMIUM	1000.0	1034.18	103.4
CALCIUM	50000.0	50461.68	100.9
CHROMIUM	1000.0	993.56	99.4
COBALT	1000.0	1019.26	101.9
COPPER	1000.0	983.37	98.3
IRON	20000.0	20143.41	100.7
LEAD	1000.0	1027.98	102.8
MAGNESIUM	50000.0	50876.67	101.8
MANGANESE	1000.0	980.32	98.0
NICKEL	1000.0	1030.34	103.0
SELENIUM	1000.0	1011.19	101.1
SILVER	250.0	254.95	102.0
THALLIUM	1000.0	1018.62	101.9
TIN	1000.0	1032.62	103.3
VANADIUM	1000.0	954.67	95.5
ZINC	1000.0	1020.42	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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: AUH04A Aug 05, 2004 0:13

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	45686.73	91.4
ANTIMONY	1000.0	1026.09	102.6
ARSENIC	1000.0	1035.19	103.5
BARIUM	1000.0	968.20	96.8
BERYLLIUM	1000.0	943.72	94.4
CADMIUM	1000.0	1022.56	102.3
CALCIUM	50000.0	49631.30	99.3
CHROMIUM	1000.0	971.98	97.2
COBALT	1000.0	1018.59	101.9
COPPER	1000.0	966.16	96.6
IRON	20000.0	19846.40	99.2
LEAD	1000.0	1035.64	103.6
MAGNESIUM	50000.0	49862.57	99.7
MANGANESE	1000.0	962.02	96.2
NICKEL	1000.0	1030.31	103.0
SELENIUM	1000.0	1018.45	101.8
SILVER	250.0	252.46	101.0
THALLIUM	1000.0	1027.92	102.8
TIN	1000.0	1039.58	104.0
VANADIUM	1000.0	905.58	90.6
ZINC	1000.0	1012.17	101.2

SAMPLE: CCV

File: AUH04A Aug 05, 2004 1:20

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47163.63	94.3
ANTIMONY	1000.0	1055.70	105.6
ARSENIC	1000.0	1053.80	105.4
BARIUM	1000.0	1004.19	100.4
BERYLLIUM	1000.0	969.86	97.0
CADMIUM	1000.0	1046.66	104.7
CALCIUM	50000.0	50761.63	101.5
CHROMIUM	1000.0	995.82	99.6
COBALT	1000.0	1039.25	103.9
COPPER	1000.0	999.37	99.9
IRON	20000.0	20333.90	101.7
LEAD	1000.0	1051.73	105.2
MAGNESIUM	50000.0	50957.28	101.9
MANGANESE	1000.0	985.30	98.5
NICKEL	1000.0	1054.57	105.5
SELENIUM	1000.0	1038.57	103.9
SILVER	250.0	259.31	103.7
THALLIUM	1000.0	1051.00	105.1
TIN	1000.0	1057.13	105.7
VANADIUM	1000.0	930.57	93.1
ZINC	1000.0	1041.86	104.2

(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:** WU2358

Concentration Units: ug/L

SAMPLE: ICV

File: AUH05A Aug 05, 2004 17:56

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18509.49	92.5
CALCIUM	20000.0	19811.21	99.1
IRON	20000.0	19495.70	97.5
MAGNESIUM	20000.0	20258.71	101.3

SAMPLE: CCV

File: AUH05A Aug 05, 2004 18:36

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48974.08	97.9
CALCIUM	50000.0	51590.84	103.2
IRON	20000.0	20365.79	101.8
MAGNESIUM	50000.0	51815.48	103.6

(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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: AUH05A Aug 05, 2004 20:00

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49447.29	98.9
CALCIUM	50000.0	51545.38	103.1
IRON	20000.0	20211.58	101.1
MAGNESIUM	50000.0	51893.49	103.8

SAMPLE: CCV

File: AUH05A Aug 05, 2004 21:20

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49530.60	99.1
CALCIUM	50000.0	49885.54	99.8
IRON	20000.0	19492.93	97.5
MAGNESIUM	50000.0	50589.81	101.2

(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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: AUH05A Aug 05, 2004 22:40

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49902.16	99.8
CALCIUM	50000.0	50589.40	101.2
IRON	20000.0	19827.04	99.1
MAGNESIUM	50000.0	51324.42	102.6

(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:** WU2358

Concentration Units: ug/L

SAMPLE: ICV

File: BUH05A Aug 05, 2004 18:41

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20182.40	100.9
CALCIUM	20000.0	19069.12	95.3
IRON	20000.0	20273.30	101.4
MAGNESIUM	20000.0	19783.02	98.9
POTASSIUM	20000.0	19781.15	98.9

SAMPLE: CCV

File: BUH05A Aug 05, 2004 19:22

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50868.94	101.7
CALCIUM	50000.0	49443.62	98.9
IRON	20000.0	20560.92	102.8
MAGNESIUM	50000.0	50473.78	100.9
POTASSIUM	50000.0	50644.80	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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: BUH05A Aug 05, 2004 20:29

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51283.56	102.6
CALCIUM	50000.0	46950.26	93.9
IRON	20000.0	20252.55	101.3
MAGNESIUM	50000.0	50256.51	100.5
POTASSIUM	50000.0	51994.86	104.0

SAMPLE: CCV

File: BUH05A Aug 05, 2004 21:37

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51047.49	102.1
CALCIUM	50000.0	47514.82	95.0
IRON	20000.0	20556.24	102.8
MAGNESIUM	50000.0	50520.75	101.0
POTASSIUM	50000.0	50594.59	101.2

(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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: BUH05A Aug 05, 2004 22:45

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50774.36	101.5
CALCIUM	50000.0	48289.39	96.6
IRON	20000.0	20673.79	103.4
MAGNESIUM	50000.0	50558.75	101.1
POTASSIUM	50000.0	50439.48	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:** WU2358

Concentration Units: ug/L

SAMPLE: ICV

File: BUH06A Aug 06, 2004 10:56

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19928.68	99.6
CALCIUM	20000.0	19986.98	99.9
IRON	20000.0	20674.31	103.4
MAGNESIUM	20000.0	19810.76	99.1
SODIUM	20000.0	21938.16	109.7

SAMPLE: CCV

File: BUH06A Aug 06, 2004 11:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50689.31	101.4
CALCIUM	50000.0	48662.42	97.3
IRON	20000.0	20109.56	100.5
MAGNESIUM	50000.0	49823.21	99.6
SODIUM	50000.0	53101.31	106.2

(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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: BUH06A Aug 06, 2004 12:38

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50772.82	101.5
CALCIUM	50000.0	49483.65	99.0
IRON	20000.0	20499.50	102.5
MAGNESIUM	50000.0	50266.16	100.5
SODIUM	50000.0	50362.62	100.7

SAMPLE: CCV

File: BUH06A Aug 06, 2004 13:46

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50736.51	101.5
CALCIUM	50000.0	47468.59	94.9
IRON	20000.0	20134.85	100.7
MAGNESIUM	50000.0	49814.49	99.6
SODIUM	50000.0	52242.92	104.5

(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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: BUH06A Aug 06, 2004 14:53

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50544.61	101.1
CALCIUM	50000.0	47799.92	95.6
IRON	20000.0	20197.46	101.0
MAGNESIUM	50000.0	49800.38	99.6
SODIUM	50000.0	51234.89	102.5

(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:** WU2358

Concentration Units: ug/L

SAMPLE: ICV

File: HUH05A Aug 05, 2004 17:55

Analyte	True	Found	%R (1)
MERCURY	6.0	5.59	93.2

SAMPLE: CCV

File: HUH05A Aug 05, 2004 18:20

Analyte	True	Found	%R (1)
MERCURY	5.0	4.97	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:** WU2358

Concentration Units: ug/L

SAMPLE: CCV

File: HUH05A Aug 05, 2004 18:46

Analyte	True	Found	%R (1)
MERCURY	5.0	4.99	99.8

SAMPLE: CCV

File: HUH05A Aug 05, 2004 19:11

Analyte	True	Found	%R (1)
MERCURY	5.0	4.98	99.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH04ICS0

Matrix: SOIL **SDG Name:** WU2358

QC Batch ID: UH04ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ALUMINUM	8.209	B
ANTIMONY	0.242	B
ARSENIC	0.300	U
BARIUM	0.026	B
BERYLLIUM	0.020	U
CADMIUM	0.030	U
CALCIUM	10.434	
CHROMIUM	0.236	B
COBALT	0.060	U
COPPER	-0.121	B
IRON	1.070	U
LEAD	0.170	U
MAGNESIUM	0.750	U
MANGANESE	0.021	B
NICKEL	0.090	U
POTASSIUM	23.800	U
SELENIUM	0.370	U
SILVER	0.070	U
SODIUM	4.728	B
THALLIUM	0.410	U
TIN	2.465	B
VANADIUM	0.070	U
ZINC	0.262	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH05HGS0

Matrix: SOIL **SDG Name:** WU2358

QC Batch ID: UH05HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: ICB

File: AUH04A Aug 04, 2004 11:57

Analyte	Result	C
ALUMINUM	32.46	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-5.53	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH04A Aug 04, 2004 12:37

Analyte	Result	C
ALUMINUM	70.58	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-12.41	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.60	B

SAMPLE: CCB

File: AUH04A Aug 04, 2004 13:31

Analyte	Result	C
ALUMINUM	44.81	B
ANTIMONY	2.43	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	-0.37	B
CADMIUM	0.30	U
CALCIUM	-10.09	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: CCB
File: AUH04A Aug 04, 2004 14:54

Analyte	Result	C
ALUMINUM	92.30	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	10.01	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-0.87	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	30.81	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.57	B

SAMPLE: CCB
File: AUH04A Aug 04, 2004 16:15

Analyte	Result	C
ALUMINUM	86.45	B
ANTIMONY	2.51	B
ARSENIC	3.03	U
BARIUM	0.18	B
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	14.55	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-0.92	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	33.33	B
MANGANESE	0.23	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.50	B

SAMPLE: CCB
File: AUH04A Aug 04, 2004 17:35

Analyte	Result	C
ALUMINUM	94.10	B
ANTIMONY	3.03	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-17.27	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-1.64	B
IRON	-11.89	B
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	-0.89	B
ZINC	0.32	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: CCB
File: AUH04A Aug 04, 2004 18:57

Analyte	Result	C
ALUMINUM	36.27	B
ANTIMONY	3.28	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	7.18	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	17.99	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.29	B

SAMPLE: CCB
File: AUH04A Aug 04, 2004 20:18

Analyte	Result	C
ALUMINUM	35.27	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	11.63	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	20.02	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	B

SAMPLE: CCB
File: AUH04A Aug 04, 2004 21:38

Analyte	Result	C
ALUMINUM	80.75	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-16.54	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-1.34	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.29	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: CCB
File: AUH04A Aug 04, 2004 22:59

Analyte	Result	C
ALUMINUM	136.85	B
ANTIMONY	2.41	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.44	B
CADMIUM	0.30	U
CALCIUM	-19.93	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-2.18	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.55	B
MANGANESE	0.14	B
NICKEL	-0.92	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.40	B

SAMPLE: CCB
File: AUH04A Aug 05, 2004 0:19

Analyte	Result	C
ALUMINUM	160.62	B
ANTIMONY	5.23	B
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.48	B
CADMIUM	0.30	U
CALCIUM	-12.14	B
CHROMIUM	1.00	B
COBALT	0.64	U
COPPER	-2.43	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	10.00	B
MANGANESE	0.21	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.49	B

SAMPLE: CCB
File: AUH04A Aug 05, 2004 1:26

Analyte	Result	C
ALUMINUM	165.37	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.80	B
CADMIUM	0.30	U
CALCIUM	-16.72	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-2.59	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	19.21	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	2.50	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: ICB

File: AUH05A Aug 05, 2004 18:02

Analyte	Result	C
ALUMINUM	-21.11	B
CALCIUM	3.53	B
IRON	10.70	U
MAGNESIUM	7.52	U

SAMPLE: CCB

File: AUH05A Aug 05, 2004 18:43

Analyte	Result	C
ALUMINUM	-44.89	B
CALCIUM	6.03	B
IRON	10.70	U
MAGNESIUM	7.52	U

SAMPLE: CCB

File: AUH05A Aug 05, 2004 20:06

Analyte	Result	C
ALUMINUM	-76.92	B
CALCIUM	34.00	B
IRON	10.70	U
MAGNESIUM	18.67	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: CCB

File: AUH05A Aug 05, 2004 21:27

Analyte	Result	C
ALUMINUM	-78.57	B
CALCIUM	42.78	B
IRON	10.70	U
MAGNESIUM	30.07	B

SAMPLE: CCB

File: AUH05A Aug 05, 2004 22:47

Analyte	Result	C
ALUMINUM	-70.16	B
CALCIUM	37.20	B
IRON	10.70	U
MAGNESIUM	25.24	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: ICB

File: BUH05A Aug 05, 2004 18:47

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	569.44	B

SAMPLE: CCB

File: BUH05A Aug 05, 2004 19:27

Analyte	Result	C
ALUMINUM	39.16	B
CALCIUM	21.40	U
IRON	5.13	B
MAGNESIUM	32.89	B
POTASSIUM	317.39	B

SAMPLE: CCB

File: BUH05A Aug 05, 2004 20:35

Analyte	Result	C
ALUMINUM	49.91	B
CALCIUM	26.74	B
IRON	7.76	B
MAGNESIUM	24.70	U
POTASSIUM	238.00	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: CCB

File: BUH05A Aug 05, 2004 21:43

Analyte	Result	C
ALUMINUM	20.91	B
CALCIUM	38.26	B
IRON	10.24	B
MAGNESIUM	36.41	B
POTASSIUM	340.65	B

SAMPLE: CCB

File: BUH05A Aug 05, 2004 22:50

Analyte	Result	C
ALUMINUM	50.99	B
CALCIUM	47.23	B
IRON	13.65	B
MAGNESIUM	32.98	B
POTASSIUM	238.00	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: ICB

File: BUH06A Aug 06, 2004 11:01

Analyte	Result	C
ALUMINUM	-25.13	B
CALCIUM	21.40	U
IRON	5.39	B
MAGNESIUM	24.70	U
SODIUM	-32.63	B

SAMPLE: CCB

File: BUH06A Aug 06, 2004 11:35

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	8.89	B
MAGNESIUM	40.77	B
SODIUM	19.10	U

SAMPLE: CCB

File: BUH06A Aug 06, 2004 12:44

Analyte	Result	C
ALUMINUM	-20.41	B
CALCIUM	52.48	
IRON	7.14	B
MAGNESIUM	24.70	U
SODIUM	-25.96	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: CCB

File: BUH06A Aug 06, 2004 13:51

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	91.97	
IRON	9.20	B
MAGNESIUM	24.70	U
SODIUM	19.10	U

SAMPLE: CCB

File: BUH06A Aug 06, 2004 14:59

Analyte	Result	C
ALUMINUM	19.31	B
CALCIUM	23.03	B
IRON	23.42	B
MAGNESIUM	69.66	
SODIUM	19.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: ICB

File: HUH05A Aug 05, 2004 17:57

Analyte	Result	C
MERCURY	-0.01	B

SAMPLE: CCB

File: HUH05A Aug 05, 2004 18:22

Analyte	Result	C
MERCURY	-0.02	B

SAMPLE: CCB

File: HUH05A Aug 05, 2004 18:48

Analyte	Result	C
MERCURY	-0.02	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Concentration Units: ug/L

SAMPLE: CCB

File: HUH05A Aug 05, 2004 19:13

Analyte	Result	C
MERCURY	-0.01	B

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	18.30	P
ANTIMONY	8.0	2.34	P
ARSENIC	8.0	3.03	P
BARIUM	5.0	0.17	P
BERYLLIUM	5.0	0.25	P
CADMIUM	10	0.30	P
CALCIUM	50	3.13	P
CHROMIUM	15	0.80	P
COBALT	30	0.64	P
COPPER	25	0.86	P
IRON	100	10.70	P
LEAD	5.0	1.70	P
MAGNESIUM	50	7.52	P
MANGANESE	5.0	0.13	P
NICKEL	40	0.85	P
SELENIUM	10	3.71	P
SILVER	15	0.70	P
THALLIUM	15	4.09	P
TIN	100	1.79	P
VANADIUM	25	0.75	P
ZINC	25	0.25	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
POTASSIUM	1000	238.00	P
SODIUM	1000	19.10	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 1/17/2003

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
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
TIN	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:** 1/17/2003

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

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH04ICS0

Matrix: SOIL **SDG Name:** WU2358

Method: P **Prep Date:** 08/04/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH04ICS0	LCSOUH04ICS0	1	0.1
PBSUH04ICS0	PBSUH04ICS0	1	0.1
C03V-07N-06-0804	WU2358-001	1.29	0.1
C03V-07N-06-0804P	WU2358-001P	1.3	0.1
C03V-07N-06-0804S	WU2358-001S	1.3	0.1
C03V-07N-12-0804	WU2358-002	1.18	0.1
C03V-07N-24-0804	WU2358-003	1.21	0.1
C03V-DUP01-0804	WU2358-004	1.28	0.1
C03V-07E-06-0804	WU2358-005	1.44	0.1
C03V-07E-12-0804	WU2358-006	1.27	0.1
C03V-07E-24-0804	WU2358-007	1.44	0.1
C03V-07F-0804	WU2358-008	1.53	0.1
C03V-06F-0804	WU2358-009	1.61	0.1
C03V-DUP02-0804	WU2358-010	1.25	0.1
C03V-06N-06-0804	WU2358-011	1.29	0.1
C03V-06N-12-0804	WU2358-012	1.31	0.1
C03V-06N-24-0804	WU2358-013	1.28	0.1
C03V-06W-12-0804	WU2358-014	1.31	0.1
C03V-06W-24-0804	WU2358-015	1.19	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH05HGS0

Matrix: SOIL **SDG Name:** WU2358

Method: CV **Prep Date:** 08/05/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH05HGS0	LCSOUH05HGS0	0.6	0.1
PBSUH05HGS0	PBSUH05HGS0	0.6	0.1
C03V-07N-06-0804	WU2358-001	0.93	0.1
C03V-07N-06-0804P	WU2358-001P	1.03	0.1
C03V-07N-06-0804S	WU2358-001S	0.86	0.1
C03V-07N-12-0804	WU2358-002	0.88	0.1
C03V-07N-24-0804	WU2358-003	0.82	0.1
C03V-DUP01-0804	WU2358-004	0.96	0.1
C03V-07E-06-0804	WU2358-005	0.83	0.1
C03V-07E-12-0804	WU2358-006	0.9	0.1
C03V-07E-24-0804	WU2358-007	0.96	0.1
C03V-07F-0804	WU2358-008	0.91	0.1
C03V-06F-0804	WU2358-009	1.08	0.1
C03V-DUP02-0804	WU2358-010	0.86	0.1
C03V-06N-06-0804	WU2358-011	0.84	0.1
C03V-06N-12-0804	WU2358-012	0.96	0.1
C03V-06N-24-0804	WU2358-013	0.91	0.1
C03V-06W-12-0804	WU2358-014	0.88	0.1
C03V-06W-24-0804	WU2358-015	0.84	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Instrument ID: TJA TRACE ICP **File Name:** AUH04A

Date: 8/4/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
S0		1	11:06	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
S1		1	11:13	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
AL IEC		1	11:23	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
FE IEC		1	11:30	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
MN IEC		1	11:36	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
IEC		1	11:43	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICV		1	11:50	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICB		1	11:57	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
PQL		1	12:03	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CRI		1	12:10	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICSA		1	12:17	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICSAB		1	12:24	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCV		1	12:30	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	12:37	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ZZZZZZ		1	12:44	
ZZZZZZ		1	12:50	
ZZZZZZ		5	12:57	
CRI		1	13:04	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICSA		1	13:10	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICSAB		1	13:17	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCV		1	13:24	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	13:31	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ZZZZZZ		1	13:41	
ZZZZZZ		1	13:47	
ZZZZZZ		1	13:54	
ZZZZZZ		5	14:01	
ZZZZZZ		1	14:07	
ZZZZZZ		1	14:14	
ZZZZZZ		1	14:21	
ZZZZZZ		1	14:27	
ZZZZZZ		1	14:34	
ZZZZZZ		1	14:41	
CCV		1	14:47	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	14:54	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ZZZZZZ		1	15:01	
ZZZZZZ		1	15:08	
ZZZZZZ		1	15:14	
ZZZZZZ		1	15:21	
ZZZZZZ		1	15:28	
ZZZZZZ		1	15:34	
ZZZZZZ		1	15:41	
ZZZZZZ		1	15:48	
ZZZZZZ		1	15:54	
ZZZZZZ		1	16:01	
CCV		1	16:08	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	16:15	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ZZZZZZ		1	16:21	
ZZZZZZ		1	16:28	
ZZZZZZ		1	16:35	
ZZZZZZ		1	16:41	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Instrument ID: TJA TRACE ICP **File Name:** AUH04A

Date: 8/4/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
ZZZZZZ		1	16:48										
ZZZZZZ		1	16:55										
ZZZZZZ		1	17:01										
CRI		1	17:08	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ICSA		1	17:15	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ICSAB		1	17:21	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCV		1	17:28	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCB		1	17:35	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ZZZZZZ		1	17:42										
ZZZZZZ		1	17:48										
ZZZZZZ		1	17:55										
ZZZZZZ		5	18:02										
ZZZZZZ		1	18:10										
ZZZZZZ		1	18:17										
ZZZZZZ		1	18:24										
ZZZZZZ		1	18:31										
ZZZZZZ		1	18:37										
ZZZZZZ		1	18:44										
CCV		1	18:51	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCB		1	18:57	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ZZZZZZ		1	19:04										
ZZZZZZ		1	19:11										
ZZZZZZ		1	19:17										
ZZZZZZ		1	19:24										
ZZZZZZ		1	19:31										
ZZZZZZ		1	19:38										
ZZZZZZ		1	19:44										
ZZZZZZ		1	19:51										
ZZZZZZ		1	19:58										
ZZZZZZ		1	20:04										
CCV		1	20:11	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCB		1	20:18	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ZZZZZZ		1	20:24										
ZZZZZZ		1	20:31										
ZZZZZZ		1	20:38										
ZZZZZZ		1	20:45										
ZZZZZZ		1	20:51										
ZZZZZZ		5	20:58										
ZZZZZZ		1	21:05										
CRI		1	21:11	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ICSA		1	21:18	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ICSAB		1	21:25	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCV		1	21:31	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
CCB		1	21:38	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
ZZZZZZ		1	21:45										
ZZZZZZ		1	21:52										
ZZZZZZ		1	21:58										
ZZZZZZ		1	22:05										
ZZZZZZ		1	22:12										
PBSUH04ICS0		1	22:18	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	
LCSOUH04ICS0		1	22:25	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl	Sn	V	Zn	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Instrument ID: TJA TRACE ICP **File Name:** AUH04A

Date: 8/4/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																			
WU2358-001	C03V-07N-06-0804	1	22:32	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-001L	C03V-07N-06-0804L	5	22:39	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-001S	C03V-07N-06-0804S	1	22:45	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	22:52	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	22:59	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-001P	C03V-07N-06-0804P	1	23:05	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-002	C03V-07N-12-0804	1	23:12	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-003	C03V-07N-24-0804	1	23:19	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-004	C03V-DUP01-0804	1	23:26	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-005	C03V-07E-06-0804	1	23:32	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-006	C03V-07E-12-0804	1	23:39	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-007	C03V-07E-24-0804	1	23:46	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-008	C03V-07F-0804	1	23:52	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-009	C03V-06F-0804	1	23:59	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-010	C03V-DUP02-0804	1	0:06	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	0:13	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	0:19	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-011	C03V-06N-06-0804	1	0:26	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-012	C03V-06N-12-0804	1	0:33	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-013	C03V-06N-24-0804	1	0:39	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-014	C03V-06W-12-0804	1	0:46	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2358-015	C03V-06W-24-0804	1	0:53	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CRI		1	0:59	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	1:06	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	1:13	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	1:20	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	1:26	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Instrument ID: TJA TRACE ICP **File Name:** AUH05A

Date: 8/5/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	17:12	Al	Ca	Fe	Mg
S1		1	17:19	Al	Ca	Fe	Mg
AL_IEC		1	17:29	Al	Ca	Fe	Mg
FE_IEC		1	17:35	Al	Ca	Fe	Mg
MN_IEC		1	17:42	Al	Ca	Fe	Mg
IEC		1	17:49	Al	Ca	Fe	Mg
ICV		1	17:56	Al	Ca	Fe	Mg
ICB		1	18:02	Al	Ca	Fe	Mg
PQL		1	18:09	Al	Ca	Fe	Mg
CRI		1	18:16	Al	Ca	Fe	Mg
ICSA		1	18:22	Al	Ca	Fe	Mg
ICSAB		1	18:29	Al	Ca	Fe	Mg
CCV		1	18:36	Al	Ca	Fe	Mg
CCB		1	18:43	Al	Ca	Fe	Mg
WU2358-001	C03V-07N-06-0804	10	18:49		Ca		
WU2358-001L	C03V-07N-06-0804L	50	18:56		Ca		
WU2358-001S	C03V-07N-06-0804S	10	19:03		Ca		
WU2358-001P	C03V-07N-06-0804P	10	19:09		Ca		
WU2358-002	C03V-07N-12-0804	10	19:16		Ca		
WU2358-003	C03V-07N-24-0804	10	19:23		Ca		
WU2358-004	C03V-DUP01-0804	10	19:29		Ca		
WU2358-005	C03V-07E-06-0804	10	19:39		Ca		
WU2358-006	C03V-07E-12-0804	10	19:46		Ca		
WU2358-007	C03V-07E-24-0804	10	19:53		Ca		
CCV		1	20:00	Al	Ca	Fe	Mg
CCB		1	20:06	Al	Ca	Fe	Mg
WU2358-008	C03V-07F-0804	10	20:13		Ca		
WU2358-009	C03V-06F-0804	10	20:20		Ca		
WU2358-010	C03V-DUP02-0804	10	20:26		Ca		
WU2358-011	C03V-06N-06-0804	10	20:33		Ca		
WU2358-012	C03V-06N-12-0804	10	20:40		Ca		
WU2358-013	C03V-06N-24-0804	10	20:46		Ca		
WU2358-014	C03V-06W-12-0804	10	20:53		Ca		
WU2358-015	C03V-06W-24-0804	10	21:00		Ca		
ZZZZZZ		1	21:06				
ZZZZZZ		1	21:13				
CCV		1	21:20	Al	Ca	Fe	Mg
CCB		1	21:27	Al	Ca	Fe	Mg
ZZZZZZ		1	21:33				
ZZZZZZ		1	21:40				
ZZZZZZ		1	21:47				
ZZZZZZ		1	21:54				
ZZZZZZ		5	22:00				
ZZZZZZ		1	22:07				
ZZZZZZ		1	22:14				
CRI		1	22:20	Al	Ca	Fe	Mg
ICSA		1	22:27	Al	Ca	Fe	Mg
ICSAB		1	22:34	Al	Ca	Fe	Mg
CCV		1	22:40	Al	Ca	Fe	Mg
CCB		1	22:47	Al	Ca	Fe	Mg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Instrument ID: TJA 61 ICP **File Name:** BUH05A

Date: 8/5/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	18:14	Al	Ca	Fe	Mg	K
S1		1	18:19	Al	Ca	Fe	Mg	K
AL IEC		1	18:25	Al	Ca	Fe	Mg	K
FE IEC		1	18:33	Al	Ca	Fe	Mg	K
ICV		1	18:41	Al	Ca	Fe	Mg	K
ICB		1	18:47	Al	Ca	Fe	Mg	K
PQL		1	18:53	Al	Ca	Fe	Mg	K
CRI		1	19:05	Al	Ca	Fe	Mg	K
ICSA		1	19:11	Al	Ca	Fe	Mg	K
ICSAB		1	19:16	Al	Ca	Fe	Mg	K
CCV		1	19:22	Al	Ca	Fe	Mg	K
CCB		1	19:27	Al	Ca	Fe	Mg	K
PBSUH04ICS0		1	19:33					K
LCSOUH04ICS0		1	19:39					K
WU2358-001	C03V-07N-06-0804	1	19:44					K
WU2358-001L	C03V-07N-06-0804L	5	19:50					K
WU2358-001S	C03V-07N-06-0804S	1	19:56					K
WU2358-001P	C03V-07N-06-0804P	1	20:01					K
WU2358-002	C03V-07N-12-0804	1	20:07					K
WU2358-003	C03V-07N-24-0804	1	20:13					K
WU2358-004	C03V-DUP01-0804	1	20:18					K
WU2358-005	C03V-07E-06-0804	1	20:24					K
CCV		1	20:29	Al	Ca	Fe	Mg	K
CCB		1	20:35	Al	Ca	Fe	Mg	K
WU2358-006	C03V-07E-12-0804	1	20:41					K
WU2358-007	C03V-07E-24-0804	1	20:46					K
WU2358-008	C03V-07F-0804	1	20:52					K
WU2358-009	C03V-06F-0804	1	20:58					K
WU2358-010	C03V-DUP02-0804	1	21:03					K
WU2358-011	C03V-06N-06-0804	1	21:09					K
WU2358-012	C03V-06N-12-0804	1	21:15					K
WU2358-013	C03V-06N-24-0804	1	21:20					K
WU2358-014	C03V-06W-12-0804	1	21:26					K
WU2358-015	C03V-06W-24-0804	1	21:31					K
CCV		1	21:37	Al	Ca	Fe	Mg	K
CCB		1	21:43	Al	Ca	Fe	Mg	K
ZZZZZZ		1	21:48					
ZZZZZZ		1	21:54					
ZZZZZZ		1	22:00					
ZZZZZZ		1	22:05					
ZZZZZZ		1	22:11					
ZZZZZZ		1	22:16					
ZZZZZZ		5	22:22					
CRI		1	22:28	Al	Ca	Fe	Mg	K
ICSA		1	22:33	Al	Ca	Fe	Mg	K
ICSAB		1	22:39	Al	Ca	Fe	Mg	K
CCV		1	22:45	Al	Ca	Fe	Mg	K
CCB		1	22:50	Al	Ca	Fe	Mg	K

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Instrument ID: TJA 61 ICP **File Name:** BUH06A

Date: 8/6/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	10:28	Al	Ca	Fe	Mg	Na
S1		1	10:33	Al	Ca	Fe	Mg	Na
AL_IEC		1	10:39	Al	Ca	Fe	Mg	Na
FE_IEC		1	10:47	Al	Ca	Fe	Mg	Na
ICV		1	10:56	Al	Ca	Fe	Mg	Na
ICB		1	11:01	Al	Ca	Fe	Mg	Na
PQL		1	11:07	Al	Ca	Fe	Mg	Na
CRI		1	11:13	Al	Ca	Fe	Mg	Na
ICSA		1	11:18	Al	Ca	Fe	Mg	Na
ICSAB		1	11:24	Al	Ca	Fe	Mg	Na
CCV		1	11:30	Al	Ca	Fe	Mg	Na
CCB		1	11:35	Al	Ca	Fe	Mg	Na
PBSUH04ICS0		1	11:41					Na
LCSOUH04ICS0		1	11:47					Na
WU2358-001	C03V-07N-06-0804	1	11:53					Na
WU2358-001L	C03V-07N-06-0804L	5	11:59					Na
WU2358-001S	C03V-07N-06-0804S	1	12:04					Na
WU2358-001P	C03V-07N-06-0804P	1	12:10					Na
WU2358-002	C03V-07N-12-0804	1	12:16					Na
WU2358-003	C03V-07N-24-0804	1	12:21					Na
WU2358-004	C03V-DUP01-0804	1	12:27					Na
WU2358-005	C03V-07E-06-0804	1	12:32					Na
CCV		1	12:38	Al	Ca	Fe	Mg	Na
CCB		1	12:44	Al	Ca	Fe	Mg	Na
WU2358-006	C03V-07E-12-0804	1	12:49					Na
WU2358-007	C03V-07E-24-0804	1	12:55					Na
WU2358-008	C03V-07F-0804	1	13:01					Na
WU2358-009	C03V-06F-0804	1	13:06					Na
WU2358-010	C03V-DUP02-0804	1	13:12					Na
WU2358-011	C03V-06N-06-0804	1	13:18					Na
WU2358-012	C03V-06N-12-0804	1	13:23					Na
WU2358-013	C03V-06N-24-0804	1	13:29					Na
WU2358-014	C03V-06W-12-0804	1	13:34					Na
WU2358-015	C03V-06W-24-0804	1	13:40					Na
CCV		1	13:46	Al	Ca	Fe	Mg	Na
CCB		1	13:51	Al	Ca	Fe	Mg	Na
ZZZZZZ		1	13:57					
ZZZZZZ		1	14:03					
ZZZZZZ		1	14:08					
ZZZZZZ		1	14:14					
ZZZZZZ		1	14:20					
ZZZZZZ		1	14:25					
ZZZZZZ		5	14:31					
CRI		1	14:36	Al	Ca	Fe	Mg	Na
ICSA		1	14:42	Al	Ca	Fe	Mg	Na
ICSAB		1	14:48	Al	Ca	Fe	Mg	Na
CCV		1	14:53	Al	Ca	Fe	Mg	Na
CCB		1	14:59	Al	Ca	Fe	Mg	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2358

Instrument ID: CETAC M6100 **File Name:** HUH05A

Date: 8/5/2004 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	17:42	Hg
Standard #1 (0.2 p		1	17:44	Hg
Standard #2 (0.5 p		1	17:46	Hg
Standard #3 (1.0 p		1	17:48	Hg
Standard #4 (5.0 p		1	17:50	Hg
Standard #5 (10.0		1	17:52	Hg
ICV		1	17:55	HG
ICB		1	17:57	HG
CRA		1	17:59	HG
PBSUH05HGS0		1	18:01	HG
LCSOUH05HGS0		1	18:03	HG
ZZZZZZ		1	18:05	
ZZZZZZ		1	18:07	
ZZZZZZ		1	18:09	
ZZZZZZ		1	18:11	
ZZZZZZ		1	18:14	
WU2358-001	C03V-07N-06-0804	1	18:16	HG
ZZZZZZ		1	18:18	
CCV		1	18:20	HG
CCB		1	18:22	HG
WU2358-001S	C03V-07N-06-0804S	1	18:24	HG
WU2358-001P	C03V-07N-06-0804P	1	18:26	HG
WU2358-002	C03V-07N-12-0804	1	18:28	HG
WU2358-003	C03V-07N-24-0804	1	18:31	HG
WU2358-004	C03V-DUP01-0804	1	18:33	HG
WU2358-005	C03V-07E-06-0804	1	18:35	HG
WU2358-006	C03V-07E-12-0804	1	18:37	HG
WU2358-007	C03V-07E-24-0804	1	18:39	HG
WU2358-008	C03V-07F-0804	1	18:41	HG
WU2358-009	C03V-06F-0804	1	18:43	HG
CCV		1	18:46	HG
CCB		1	18:48	HG
WU2358-010	C03V-DUP02-0804	1	18:50	HG
WU2358-011	C03V-06N-06-0804	1	18:52	HG
WU2358-012	C03V-06N-12-0804	1	18:54	HG
WU2358-013	C03V-06N-24-0804	1	18:56	HG
WU2358-014	C03V-06W-12-0804	1	18:58	HG
WU2358-015	C03V-06W-24-0804	1	19:01	HG
ZZZZZZ		1	19:03	
ZZZZZZ		1	19:05	
ZZZZZZ		1	19:07	
ZZZZZZ		1	19:09	
CCV		1	19:11	HG
CCB		1	19:13	HG

FIELD DUPLICATE PRECISION - SDG WU2358

ANALYTE	C03V-DUP01-0804	C03V-07E-06-0804	RPD	DIFFERENCE
Aluminum	759	719	5.41	40
Antimony	0.24	0.21	13.33	0.03
Arsenic	0.91	0.84	8.00	0.07
Barium	5.9	6.8	14.17	0.9
Beryllium	0.11	0.12	8.70	0.01
Cadmium	0.03	0.07	80.00 OK	0.04
Calcium	225000	225000	0.00	0
Chromium	5.4	5.5	1.83	0.1
Cobalt	0.24	0.29	18.87	0.05
Copper	1.2	2.9	82.93 OK	1.7
Iron	580	600	3.39	20
Lead	0.84	12.2	174.23	11.36
Magnesium	1760	1800	2.25	40
Manganese	22.3	22.8	2.22	0.5
Mercury	0.01U	0.01U	#VALUE!	#VALUE!
Nickel	1.1	1.1	0.00	0
Potassium	69.2	114	48.91	44.8
Selenium	0.3U	0.27U	#VALUE!	#VALUE!
Silver	0.06U	0.05U	#VALUE!	#VALUE!
Sodium	241	252	4.46	11
Thallium	0.33U	0.3U	#VALUE!	#VALUE!
Tin	2.2	2.1	4.65	0.1
Vanadium	5	4.9	2.02	0.1
Zinc	1.2	7.3	143.53 OK	6.1

ANALYTE	C03V-DUP02-0804	C03V-06N-06-0804	RPD	DIFFERENCE
Aluminum	770	719	6.85	51
Antimony	0.48	0.6	22.22	0.12
Arsenic	1.1	0.91	18.91	0.19
Barium	8.7	8.6	1.16	0.1
Beryllium	0.13	0.11	16.67	0.02
Cadmium	0.08	0.1	22.22	0.02
Calcium	219000	215000	1.84	4000
Chromium	7.7	7	9.52	0.7
Cobalt	0.32	0.29	9.84	0.03
Copper	8.5	7.5	12.50	1
Iron	1570	887	55.60	683
Lead	31	53.3	52.91	22.3
Magnesium	1760	1720	2.30	40
Manganese	25.6	22.7	12.01	2.9
Mercury	0.02	0.04	66.67 OK	0.02
Nickel	1.4	1.3	7.41	0.1
Potassium	127	71.4	56.05 OK	55.6
Selenium	0.32U	0.3U	#VALUE!	#VALUE!
Silver	0.06U	0.06U	#VALUE!	#VALUE!
Sodium	288	312	8.00	24
Thallium	0.36U	0.33U	#VALUE!	#VALUE!
Tin	2.5	2.5	0.00	0
Vanadium	5	5	0.00	0
Zinc	11.8	21.2	56.97 OK	9.4

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 7, 2004**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- PCB CTO 349, NAS KEY WEST SDG WU2388**		

SAMPLES: 1/Aqueous

KWFB080404

15/Solid

C03V-10F-0804	C03V-10S-06-0804	C03V-10S-12-0804
C03V-10S-24-0804	C03V-10W-06-0804	C03V-10W-12-0804
C03V-10W-24-0804	C03V-11E-06-0804	C03V-11E-12-0804
C03V-11E-24-0804	C03V-11F-0804	C03V-11S-06-0804
C03V-11S-12-0804	C03V-11S-24-0804	C03V-DUP03-0804

OVERVIEW

The sample set for CTO 349 NAS Key West, SDG WU2388 consists of one (1) field blank sample and fifteen (15) solid environmental samples. All samples were analyzed for polychlorinated biphenyls (PCBs). One field duplicate was associated with this SDG: C03V-11S-12-0804 / C03V-DUP03-0804.

The samples were collected by TetraTech NUS on August 4, 2004 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 SW-846 Method 8082 analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
• Initial/continuing calibrations
* • Laboratory method blank results
• Surrogate Recoveries
* • Field Duplicates
* • Detection Limits

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

PCBs

The surrogate tetrachloro-m-xylene had recoveries greater than the quality control criterion for sample C03V-10S-12-0804 and C03V-11S-12-0804 on the RTX-5 column. The positive result for Aroclor-1260 has been qualified as estimated (J) for sample C03V-10S-12-0804. No action was taken on this basis for sample

C03V-11S-12-0804 because no Aroclors were detected in this sample.

The surrogate decachlorobiphenyl had a recovery less than the quality control criterion for sample C03V-11F-0804on the RTX-5 column. No action was taken on this basis because all other surrogate recoveries were acceptable.

The surrogate decachlorobiphenyl had recoveries less than the quality control criterion for sample C03V-10W-24-0804 on the RTX-5 and RTX-35 column. The positive and non-detected results for sample C03V-10W-24-0804 have been qualified as estimated (J) and (UJ), respectively.

The percent difference (%D) between analytical columns for the PCB analyses exceeded 25% for positive result reported for PCBs in the following sample:

Sample Number	Compound	% Difference	Qualification
C03V-DUP03-0804	Aroclor-1260	27.8%	J

The positive result in the affected sample was qualified as estimated, "J".

The continuing calibration average percent difference exceeded 15% for Aroclor-1260 on instrument "GC06" on 8/19/04 @14:42 on both the RTX-5 and RTX-35 column. No action was taken on this basis.

The surrogate recoveries for sample C03V-10F-0804 were diluted out because of a high concentration of Aroclor-1260. The high non-detect values for this sample are a result of the dilution for Aroclor-1260.

Sample C03V-10S-06-0804 required a dilution because of a high concentration of Aroclor-1260. The undiluted run of this sample was not reported by the laboratory. The high non-detect values for this sample are a result of the dilution for Aroclor-1260.

Additional Comments:

Positive results less than the reporting limit (RL) were qualified as estimated "J", due to uncertainty near the detection limit.

The following QC samples had high recoveries for tetrachloro-m-xylene: WG9033-BLANK, both columns; WG9033-LCS, both columns; WG9033-LCSD, RTX-35 column; and C03V-10S-12-0804MSD, RTX-35 column. No action was taken on this basis.

EXECUTIVE SUMMARY

Laboratory Performance Issues: A continuing calibration exceeded percent difference criterion. Data was qualified due to surrogate non-compliance.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines 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
For
Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

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: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-10F-0804
samp_date	8/4/2004
lab_id	WU2388-15DL
qc_type	NM
units	UG/KG
Pct_Solids	88.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	380	U	
AROCLOR-1221	380	U	
AROCLOR-1232	380	U	
AROCLOR-1242	380	U	
AROCLOR-1248	380	U	
AROCLOR-1254	380	U	
AROCLOR-1260	30000		

nsample	C03V-10S-06-0804
samp_date	8/4/2004
lab_id	WU2388-3DL
qc_type	NM
units	UG/KG
Pct_Solids	84.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	100	U	
AROCLOR-1221	100	U	
AROCLOR-1232	100	U	
AROCLOR-1242	100	U	
AROCLOR-1248	100	U	
AROCLOR-1254	100	U	
AROCLOR-1260	7800		

nsample	C03V-10S-12-0804
samp_date	8/4/2004
lab_id	WU2388-4
qc_type	NM
units	UG/KG
Pct_Solids	79.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	21	U	
AROCLOR-1221	21	U	
AROCLOR-1232	21	U	
AROCLOR-1242	21	U	
AROCLOR-1248	21	U	
AROCLOR-1254	21	U	
AROCLOR-1260	3200	J	R

PROJ_NO: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-10S-24-0804
samp_date	8/4/2004
lab_id	WU2388-5
qc_type	NM
units	UG/KG
Pct_Solids	91.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	1200		

nsample	C03V-10W-06-0804
samp_date	8/4/2004
lab_id	WU2388-6
qc_type	NM
units	UG/KG
Pct_Solids	86.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	20	U	
AROCLOR-1221	20	U	
AROCLOR-1232	20	U	
AROCLOR-1242	20	U	
AROCLOR-1248	20	U	
AROCLOR-1254	20	U	
AROCLOR-1260	2600		

nsample	C03V-10W-12-0804
samp_date	8/4/2004
lab_id	WU2388-7
qc_type	NM
units	UG/KG
Pct_Solids	80.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	21	U	
AROCLOR-1221	21	U	
AROCLOR-1232	21	U	
AROCLOR-1242	21	U	
AROCLOR-1248	21	U	
AROCLOR-1254	21	U	
AROCLOR-1260	1300		

PROJ_NO: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-10W-24-0804
samp_date	8/4/2004
lab_id	WU2388-8
qc_type	NM
units	UG/KG
Pct_Solids	81.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	21	UJ	R
AROCLOR-1221	21	UJ	R
AROCLOR-1232	21	UJ	R
AROCLOR-1242	21	UJ	R
AROCLOR-1248	21	UJ	R
AROCLOR-1254	21	UJ	R
AROCLOR-1260	1400	J	R

nsample	C03V-11E-06-0804
samp_date	8/4/2004
lab_id	WU2388-12
qc_type	NM
units	UG/KG
Pct_Solids	92.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	3500		

nsample	C03V-11E-12-0804
samp_date	8/4/2004
lab_id	WU2388-13
qc_type	NM
units	UG/KG
Pct_Solids	75.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	22	U	
AROCLOR-1221	22	U	
AROCLOR-1232	22	U	
AROCLOR-1242	22	U	
AROCLOR-1248	22	U	
AROCLOR-1254	22	U	
AROCLOR-1260	22	U	

PROJ_NO: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-11E-24-0804
samp_date	8/4/2004
lab_id	WU2388-14
qc_type	NM
units	UG/KG
Pct_Solids	73.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	23	U	
AROCLOR-1221	23	U	
AROCLOR-1232	23	U	
AROCLOR-1242	23	U	
AROCLOR-1248	23	U	
AROCLOR-1254	23	U	
AROCLOR-1260	29		

nsample	C03V-11F-0804
samp_date	8/4/2004
lab_id	WU2388-16
qc_type	NM
units	UG/KG
Pct_Solids	91.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	2200		

nsample	C03V-11S-06-0804
samp_date	8/4/2004
lab_id	WU2388-9
qc_type	NM
units	UG/KG
Pct_Solids	94.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	530		

PROJ_NO: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-11S-12-0804
samp_date	8/4/2004
lab_id	WU2388-10
qc_type	NM
units	UG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

nsample	C03V-11S-24-0804
samp_date	8/4/2004
lab_id	WU2388-11
qc_type	NM
units	UG/KG
Pct_Solids	90.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	1400		

nsample	C03V-DUP03-0804
samp_date	8/4/2004
lab_id	WU2388-17
qc_type	NM
units	UG/KG
Pct_Sblids	92.4
DUP_OF:	C03V-11S-12-0804

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	16	J	PU

PROJ_NO: 0693

SDG: WU2388 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	KWFB080404
samp_date	8/4/2004
lab_id	WU2388-18
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	2	U	
AROCLOR-1221	2	U	
AROCLOR-1232	2	U	
AROCLOR-1242	2	U	
AROCLOR-1248	2	U	
AROCLOR-1254	2	U	
AROCLOR-1260	2	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/09/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 88.6

Lab ID: WU2388-15DL
Client ID: C03V-10F-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	380	20	17	380	240
11104-28-2	Aroclor-1221	U	380	20	17	380	180
11141-16-5	Aroclor-1232	U	380	20	17	380	120
53469-21-9	Aroclor-1242	U	380	20	17	380	150
12672-29-6	Aroclor-1248	U	380	20	17	380	190
11097-69-1	Aroclor-1254	U	380	20	17	380	110
11096-82-5	Aroclor-1260		30000	20	17	380	190
877-09-8	Tetrachloro-m-xylene		D				
2051-24-3	Decachlorobiphenyl		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 84.6

Lab ID: WU2388-3DL
Client ID: C03V-10S-06-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	100	5.0	17	100	62
11104-28-2	Aroclor-1221	U	100	5.0	17	100	48
11141-16-5	Aroclor-1232	U	100	5.0	17	100	31
53469-21-9	Aroclor-1242	U	100	5.0	17	100	40
12672-29-6	Aroclor-1248	U	100	5.0	17	100	49
11097-69-1	Aroclor-1254	U	100	5.0	17	100	28
11096-82-5	Aroclor-1260		7800	5.0	17	100	51
877-09-8	Tetrachloro-m-xylene		94%				
2051-24-3	Decachlorobiphenyl		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 79.6

Lab ID: WU2388-4
Client ID: C03V-10S-12-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	21	1.0	17	21	13
11104-28-2	Aroclor-1221	U	21	1.0	17	21	10
11141-16-5	Aroclor-1232	U	21	1.0	17	21	6.6
53469-21-9	Aroclor-1242	U	21	1.0	17	21	8.4
12672-29-6	Aroclor-1248	U	21	1.0	17	21	10
11097-69-1	Aroclor-1254	U	21	1.0	17	21	5.9
11096-82-5	Aroclor-1260		3200	1.0	17	21	11
877-09-8	Tetrachloro-m-xylene		*112%				
2051-24-3	Decachlorobiphenyl		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 91.0

Lab ID: WU2388-5
Client ID: C03V-10S-24-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.0
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.1
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260		1200	1.0	17	19	9.4
877-09-8	Tetrachloro-m-xylene		101%				
2051-24-3	Decachlorobiphenyl		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 86.3

Lab ID: WU2388-6
Client ID: C03V-10W-06-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	20	1.0	17	20	12
11104-28-2	Aroclor-1221	U	20	1.0	17	20	9.5
11141-16-5	Aroclor-1232	U	20	1.0	17	20	6.1
53469-21-9	Aroclor-1242	U	20	1.0	17	20	7.8
12672-29-6	Aroclor-1248	U	20	1.0	17	20	9.6
11097-69-1	Aroclor-1254	U	20	1.0	17	20	5.4
11096-82-5	Aroclor-1260		2600	1.0	17	20	9.9
877-09-8	Tetrachloro-m-xylene		100%				
2051-24-3	Decachlorobiphenyl		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 80.5

Lab ID: WU2388-7
Client ID: C03V-10W-12-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	21	1.0	17	21	13
11104-28-2	Aroclor-1221	U	21	1.0	17	21	10
11141-16-5	Aroclor-1232	U	21	1.0	17	21	6.6
53469-21-9	Aroclor-1242	U	21	1.0	17	21	8.4
12672-29-6	Aroclor-1248	U	21	1.0	17	21	10
11097-69-1	Aroclor-1254	U	21	1.0	17	21	5.8
11096-82-5	Aroclor-1260		1300	1.0	17	21	11
877-09-8	Tetrachloro-m-xylene		96%				
2051-24-3	Decachlorobiphenyl		73%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 81.1

Lab ID: WU2388-8
Client ID: C03V-10W-24-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	21	1.0	17	21	13
11104-28-2	Aroclor-1221	U	21	1.0	17	21	10
11141-16-5	Aroclor-1232	U	21	1.0	17	21	6.5
53469-21-9	Aroclor-1242	U	21	1.0	17	21	8.3
12672-29-6	Aroclor-1248	U	21	1.0	17	21	10
11097-69-1	Aroclor-1254	U	21	1.0	17	21	5.8
11096-82-5	Aroclor-1260		1400	1.0	17	21	10
877-09-8	Tetrachloro-m-xylene		52%				
2051-24-3	Decachlorobiphenyl		* 47%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 92.9

Lab ID: WU2388-12
Client ID: C03V-11E-06-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		3500	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		91%				
2051-24-3	Decachlorobiphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 75.9

Lab ID: WU2388-13
Client ID: C03V-11E-12-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	22	1.0	17	22	14
11104-28-2	Aroclor-1221	U	22	1.0	17	22	11
11141-16-5	Aroclor-1232	U	22	1.0	17	22	7.0
53469-21-9	Aroclor-1242	U	22	1.0	17	22	8.9
12672-29-6	Aroclor-1248	U	22	1.0	17	22	11
11097-69-1	Aroclor-1254	U	22	1.0	17	22	6.2
11096-82-5	Aroclor-1260	U	22	1.0	17	22	11
877-09-8	Tetrachloro-m-xylene		93%				
2051-24-3	Decachlorobiphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 73.4

Lab ID: WU2388-14
Client ID: C03V-11E-24-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	23	1.0	17	23	14
11104-28-2	Aroclor-1221	U	23	1.0	17	23	11
11141-16-5	Aroclor-1232	U	23	1.0	17	23	7.2
53469-21-9	Aroclor-1242	U	23	1.0	17	23	9.2
12672-29-6	Aroclor-1248	U	23	1.0	17	23	11
11097-69-1	Aroclor-1254	U	23	1.0	17	23	6.4
11096-82-5	Aroclor-1260		29	1.0	17	23	12
877-09-8	Tetrachloro-m-xylene		85%				
2051-24-3	Decachlorobiphenyl		79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 91.7

Lab ID: WU2388-16
Client ID: C03V-11F-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.9
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.8
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	9.0
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260		2200	1.0	17	18	9.4
877-09-8	Tetrachloro-m-xylene		81%				
2051-24-3	Decachlorobiphenyl		60%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 94.4

Lab ID: WU2388-9
Client ID: C03V-11S-06-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.7
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.1
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		530	1.0	17	18	9.1
877-09-8	Tetrachloro-m-xylene		102%				
2051-24-3	Decachlorobiphenyl		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 92.2

Lab ID: WU2388-10
Client ID: C03V-11S-12-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.9
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	9.0
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.3
877-09-8	Tetrachloro-m-xylene		*109%				
2051-24-3	Decachlorobiphenyl		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 90.4

Lab ID: WU2388-11
Client ID: C03V-11S-24-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.0
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.1
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260		1400	1.0	17	19	9.5
877-09-8	Tetrachloro-m-xylene		100%				
2051-24-3	Decachlorobiphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/07/2004
Matrix: SOIL
% Solids: 92.4

Lab ID: WU2388-17
Client ID: C03V-DUP03-0804
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.9
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260	J	16	1.0	17	18	9.3
877-09-8	Tetrachloro-m-xylene		103%				
2051-24-3	Decachlorobiphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/09/04
Analysis Date: 08/20/04
Report Date: 08/24/2004
Matrix: WATER
% Solids: NA

Lab ID: WU2388-18
Client ID: KWFB080404
SDG: WU2388
Extracted by: JFC
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9093
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	2.0	1.0	0.50	2.0	0.44
11104-28-2	Aroclor-1221	U	2.0	1.0	0.50	2.0	1.3
11141-16-5	Aroclor-1232	U	2.0	1.0	0.50	2.0	1.1
53469-21-9	Aroclor-1242	U	2.0	1.0	0.50	2.0	0.88
12672-29-6	Aroclor-1248	U	2.0	1.0	0.50	2.0	0.44
11097-69-1	Aroclor-1254	U	2.0	1.0	0.50	2.0	0.72
11096-82-5	Aroclor-1260	U	2.0	1.0	0.50	2.0	0.32
877-09-8	Tetrachloro-m-xylene		62%				
2051-24-3	Decachlorobiphenyl		79%				

APPENDIX C

SUPPORT DOCUMENTATION

FIELD DUPLICATE PRECISION

ANALYTE	C03V-11S-12-0804	QUAL	C03V-DUP03-0804	QUAL	RPD	DIFFERENCE
Aroclor-1260	18	U	16	J	11.76	2

HOLDTIME

SDG WU2388

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-11E-12-0804	WU2388-013	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10F-0804	WU2388-015	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10S-06-0804	WU2388-003	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10S-12-0804	WU2388-004	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10S-24-0804	WU2388-005	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10W-06-0804	WU2388-006	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10W-12-0804	WU2388-007	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-05S-06-0804	WU2388-002	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11E-06-0804	WU2388-012	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11S-24-0804	WU2388-011	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11E-24-0804	WU2388-014	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11F-0804	WU2388-016	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11S-06-0804	WU2388-009	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11S-12-0804	WU2388-010	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-DUP03-0804	WU2388-017	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-05N-06-0804	WU2388-001	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10W-24-0804	WU2388-008	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-11S-12-0804	WU2388-010	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-05N-06-0804	WU2388-001	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10S-24-0804	WU2388-005	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10S-24-0804	WU2388-005	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10W-06-0804	WU2388-006	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10W-06-0804	WU2388-006	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10W-12-0804	WU2388-007	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-DUP03-0804	WU2388-017	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11S-24-0804	WU2388-011	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10S-12-0804	WU2388-004	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-11S-12-0804	WU2388-010	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10S-06-0804	WU2388-003	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11S-06-0804	WU2388-009	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11S-06-0804	WU2388-009	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-11F-0804	WU2388-016	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11E-24-0804	WU2388-014	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-11E-12-0804	WU2388-013	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11E-06-0804	WU2388-012	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11E-06-0804	WU2388-012	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10W-24-0804	WU2388-008	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10W-24-0804	WU2388-008	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-11S-24-0804	WU2388-011	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10S-06-0804	WU2388-003	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10F-0804	WU2388-015	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-05S-06-0804	WU2388-002	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-05S-06-0804	WU2388-002	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-05N-06-0804	WU2388-001	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10W-12-0804	WU2388-007	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10S-12-0804	WU2388-004	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-05S-06-0804	WU2388-2	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10W-12-0804	WU2388-7	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10W-06-0804	WU2388-6	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10S-24-0804	WU2388-5	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10S-12-0804	WU2388-4	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	C03V-10W-24-0804	WU2388-8	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10F-0804	WU2388-15	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11S-06-0804	WU2388-9	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10S-06-0804	WU2388-3	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11E-06-0804	WU2388-12	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11E-12-0804	WU2388-13	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11F-0804	WU2388-16	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-05N-06-0804	WU2388-1	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11S-24-0804	WU2388-11	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11S-12-0804	WU2388-10	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-DUP03-0804	WU2388-17	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11E-24-0804	WU2388-14	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10S-12-0804	WU2388-4	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-11S-12-0804	WU2388-10	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10F-0804	WU2388-15DL	NM	08/04/2004	08/05/2004	08/09/2004	1	4	5
PCB	%	C03V-10S-06-0804	WU2388-3DL	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	KWFB080404	WU2388-18	NM	08/04/2004	08/09/2004	08/20/2004	5	11	16
PCB	%	C03V-11S-24-0804	WU2388-11	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-11S-06-0804	WU2388-9	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-11F-0804	WU2388-16	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-11E-24-0804	WU2388-14	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-11E-12-0804	WU2388-13	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-11E-06-0804	WU2388-12	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10W-24-0804	WU2388-8	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10W-12-0804	WU2388-7	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10W-06-0804	WU2388-6	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10S-24-0804	WU2388-5	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-DUP03-0804	WU2388-17	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10F-0804	WU2388-15DL	NM	08/04/2004	08/05/2004	08/09/2004	1	4	5
PCB	UG/KG	C03V-11E-24-0804	WU2388-14	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-DUP03-0804	WU2388-17	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-11S-24-0804	WU2388-11	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-11S-12-0804	WU2388-10	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-11S-06-0804	WU2388-9	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-11F-0804	WU2388-16	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-11E-12-0804	WU2388-13	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-11E-06-0804	WU2388-12	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10W-24-0804	WU2388-8	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10W-12-0804	WU2388-7	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10W-06-0804	WU2388-6	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10S-24-0804	WU2388-5	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10S-06-0804	WU2388-3DL	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10S-12-0804	WU2388-4	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/L	KWFB080404	WU2388-18	NM	08/04/2004	08/09/2004	08/20/2004	5	11	16

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2388

Sample Receipt

The following samples were received on August 5, 2004 and were logged in under Katahdin Analytical Services work order number WU2388 for a hardcopy due date of August 31, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2388-1	C03V-05N-06-0804
WU2388-2	C03V-05S-06-0804
WU2388-3	C03V-10S-06-0804
WU2388-4	C03V-10S-12-0804
WU2388-5	C03V-10S-24-0804
WU2388-6	C03V-10W-06-0804
WU2388-7	C03V-10W-12-0804
WU2388-8	C03V-10W-24-0804
WU2388-9	C03V-11S-06-0804
WU2388-10	C03V-11S-12-0804
WU2388-11	C03V-11S-24-0804
WU2388-12	C03V-11E-06-0804
WU2388-13	C03V-11E-12-0804
WU2388-14	C03V-11E-24-0804
WU2388-15	C03V-10F-0804
WU2388-16	C03V-11F-0804
WU2388-17	C03V-DUP03-0804
WU2388-18	KWFB080404

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 Analysis

The samples of Work Order WU2388 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, U.S. EPA, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation reports.

8082 Analysis

The laboratory control spike, WG9033-3, and the matrix spike duplicate, WG9033-5, had high recoveries for the extraction surrogate TCX on one channel, which were outside of the laboratory established acceptance limits. Since the recovery for TCX was within the acceptance limits on the second channel and DCB on both channels, the samples were not reanalyzed.

The method blank, WG9033-1, the laboratory control sample, WG9033-2, and samples WU2388-4, and 10 had high recoveries for the extraction surrogate TCX on both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for the other surrogate, DCB, were within the acceptance limits, the samples were not reanalyzed.

Sample WU2388-8 had low recoveries for the extraction surrogate DCB on both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for the other surrogate, TCX, were within the acceptance limits, the samples were not reanalyzed.

Sample WU2388-16 had a low recovery for the extraction surrogate DCB on the A channel, which was outside of the laboratory established acceptance limits. Since the recovery for the other surrogate, TCX, was within the acceptance limits, the sample was not reanalyzed.

The calibration verification standards (CV) (files 6UH2067, and 6UH2118) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The CVs (files 6UH1088 and 6UH2088) had high responses for TCX on both channels and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%.

The closing CVs (files 6UH1101, and 6UH2101) had high responses for TCX on both channels and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%.

Sample WU2388-4 was used for a matrix spike (MS) and matrix spike duplicate (MSD) sample, per client request. The recoveries for Aroclor 1260 were non-calculable (NC) due to the concentration in the native sample being higher than in the MS and MSD. This is likely due to a non-homogeneous sample.

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

Metals Analysis

The samples of Katahdin Work Order WU2388 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. WU2388-(1-17) were digested for ICP analysis on 08/05/04 (QC Batch UH05ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2388-4 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.0875 mg/L, corresponding to a dry-weight concentration of 8.75 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of Work Order WU2388 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2388-(1-17) were digested for mercury analysis on 08/05/04 (QC Batch UH05HGS1) in accordance with USEPA Method 7471A. Katahdin Sample No. WU2388-4 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin Work Order WU2388 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for aluminum (134.8%), magnesium (71.5%), and zinc (48.9%) in the matrix-spike aliquot of Katahdin Sample No. WU2388-4 are outside the laboratory's acceptance limits. The recoveries for lead (16.5%), magnesium (25.0%), and zinc (24.2%) in the matrix-spike duplicate aliquot of Katahdin Sample No. WU2388-4 are outside the laboratory's acceptance limits. The recoveries for all other elements in these matrix-spiked aliquots 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).

The matrix-spike duplicate analysis of Katahdin Sample No. WU2388-4 for lead (44.7% RPD) and zinc (24.4% RPD) exceed the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample No. WU2388-4 exceeds the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for copper (10.7% RPD).

Wet Chemistry Analysis

The samples of Katahdin Work Order WU2388 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

María Crouch
08.25.04
María Crouch
Quality Assurance Officer

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WU 2388

PAGE: 1 OF 1

COOLER: 1 OF 1

CLIENT: Tetra Tech

PROJECT: CTO 351 NAS Key West

COC#
SDG#
DATE / TIME RECEIVED: 8/5/04 1238
DELIVERED BY: FedEx
RECEIVED BY: VE
LIMS ENTRY BY: VE
LIMS REVIEW BY / PM: AJC

	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)=	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y) or N?	☐	☒	☐	COOLER TEMP (°C)= 0.6 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]: * - Sample "KWFB080404" has no test on COC. Bottle indicates Tal-metals and TCL PCB.
- COC marked by AJC 8/5/04.
- Left message - KWFB080404 - only received 1 metals aliquot for this sample. KAS can grab PCB's from remainder of metals aliquot, but reporting limit will be elevated. RCT 8/10/04

(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.

000009

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

B

Client: TETRA TECH NUS
Contact: CHUCK BRYAN
Phone #: (305)360-1548
Fax #: (803)642-8454
Address: 900 TRAIL RIDGE RD.
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): CHUCK BRYAN/
Copies To:

LAB USE ONLY
WORK ORDER #: WW2388
KATAHDIN PROJECT NUMBER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL METAL (Filt. ☐Y ☐N)	TCL PCB (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
	C03V-05N-06-0804	8.4.04/0920	SOIL	1	✓									
	C03V-~~05N~~ 05S-06-0804	8.4.04/0923	SOIL	1	✓									
	C03V-10S-06-0804	8.4.04/0935	SOIL	1	✓	✓								
	C03V-10S-12-0804	8.4.04/0937	SOIL	1	✓	✓								
	C03V-10S-24-0804	8.4.04/0940	SOIL	1	✓	✓								
	C03V-10S-12-0804MS	8.4.04/0958	SOIL	1	✓	✓								
	C03V-10S-12-0804MSD	8.4.04/1003	SOIL	1	✓	✓								
	C03V-10W-06-0804	8.4.04/1010	SOIL	1	✓	✓								
	C03V-10W-12-0804	8.4.04/1013	SOIL	1	✓	✓								
	C03V-10W-24-0804	8.4.04/1016	SOIL	1	✓	✓								
	C03V-11S-06-0804	8.4.04/1033	SOIL	1	✓	✓								
	C03V-11S-12-0804	8.4.04/1036	SOIL	1	✓	✓								
	C03V-11S-24-0804	8.4.04/1039	SOIL	1	✓	✓								
	C03V-11E-06-0804	8.4.04/1114	SOIL	1	✓	✓								
	C03V-11E-12-0804	8.4.04/1117	SOIL	1	✓	✓								
	C03V-11E-24-0804	8.4.04/1120	SOIL	1	✓	✓								

COMMENTS
48-HOUR TAT ON ALL SOIL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	8.4.04 1616	8/5/04 1258			
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.

0000007
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

Client	Contact	Phone #	Fax #
TETRA TECH NUS	CHUCK BRYAN	(305)360-1548	(803)642-8454

Address: 900 TRAIL RIDGE ROAD City: AIKEN State: SC Zip Code: 29803

Purchase Order #: Proj. Name / No.: N0693 Katahdin Quote #:

Bill (if different than above): Address:

Sampler (Print / Sign): Copies To:

LAB USE ONLY WORK ORDER #: W42388

KATAHDIN PROJECT NUMBER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL METALS	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	CØ3V-1ØF-Ø8Ø4	8.4.04	SOIL	1	✓	✓								
	CØ3V-11F-Ø8Ø4	8.4.04	SOIL	1	✓	✓								
	CØ3V-DUPØ3-Ø8Ø4	8.4.04	SOIL	1	✓	✓								
	~~KWRBØ8Ø4Ø4~~	~~8.4.04~~	~~AQ~~	~~1~~					N/A					
	KWFBØ8Ø4Ø4	8.4.04	AQ	1	✓	✓								
		/												
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		/												

COMMENTS

48-HOUR TAT ON SOIL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	8.4.04 1616	8/5/04 1238			
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.

0000008

ORIGINAL

AS-COC1

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG9093-BLANK	WG9093-2	67	68	67	66			0
02	WG9093-LCS	WG9093-1	68	68	68	69			0
03	WG9093-LCSD	WG9093-3	69	70	64	65			0
04	KWFB080404	WU2388-18	62	62	78	79			0
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
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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 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG9033-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Lab Sample ID: WG9033-1 Lab File ID: 6UH1092

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW846 3545

Sulfur Cleanup: (Y/N) N Date Extracted: 08/05/04

Date Analyzed (1): 08/06/04 Date Analyzed (2): 08/06/04

Time Analyzed (1): 2127 Time Analyzed (2): 2127

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): RTX-5 ID: 0.53(mm) GC Column (2): RTX-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	C03V-10S-12-0804	WU2388-4	6UH1071	08/06/04	08/06/04
02	C03V-10S-24-0804	WU2388-5	6UH1072	08/06/04	08/06/04
03	C03V-10W-06-0804	WU2388-6	6UH1073	08/06/04	08/06/04
04	C03V-11S-24-0804	WU2388-11	6UH1074	08/06/04	08/06/04
05	C03V-11E-12-0804	WU2388-13	6UH1075	08/06/04	08/06/04
06	C03V-11F-0804	WU2388-16	6UH1076	08/06/04	08/06/04
07	C03V-DUP03-0804	WU2388-17	6UH1077	08/06/04	08/06/04
08	C03V-10W-12-0804	WU2388-7	6UH1079	08/06/04	08/06/04
09	C03V-10W-24-0804	WU2388-8	6UH1080	08/06/04	08/06/04
10	C03V-11S-06-0804	WU2388-9	6UH1081	08/06/04	08/06/04
11	C03V-11S-12-0804	WU2388-10	6UH1082	08/06/04	08/06/04
12	C03V-11E-06-0804	WU2388-12	6UH1083	08/06/04	08/06/04
13	C03V-11E-24-0804	WU2388-14	6UH1084	08/06/04	08/06/04
14	WG9033-LCS	WG9033-2	6UH1093	08/06/04	08/06/04
15	WG9033-LCSD	WG9033-3	6UH1094	08/06/04	08/06/04
16	C03V-10S-12-0804MS	WG9033-4	6UH1095	08/06/04	08/06/04
17	C03V-10S-12-0804MSD	WG9033-5	6UH1096	08/06/04	08/06/04
18	C03V-10S-06-0804	WU2388-3DL	6UH1097	08/06/04	08/06/04
19	C03V-10F-0804	WU2388-15DL	6UH1107	08/09/04	08/09/04
20					
21					
22					
23					
24					

COMMENTS: _____

FORM IV PEST

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	C03V-10S-12-0804	WU2388-4	110*	112*	95	103			2
02	C03V-10S-24-0804	WU2388-5	96	101	80	87			0
03	C03V-10W-06-0804	WU2388-6	96	100	76	84			0
04	C03V-11S-24-0804	WU2388-11	96	100	75	81			0
05	C03V-11E-12-0804	WU2388-13	91	93	75	82			0
06	C03V-11F-0804	WU2388-16	78	81	54*	60			1
07	C03V-DUP03-0804	WU2388-17	100	103	75	82			0
08	C03V-10W-12-0804	WU2388-7	92	96	67	73			0
09	C03V-10W-24-0804	WU2388-8	50	52	43*	47*			2
10	C03V-11S-06-0804	WU2388-9	99	102	78	85			0
11	C03V-11S-12-0804	WU2388-10	104*	109*	86	95			2
12	C03V-11E-06-0804	WU2388-12	88	91	78	77			0
13	C03V-11E-24-0804	WU2388-14	82	85	72	79			0
14	WG9033-BLANK	WG9033-1	104*	109*	88	97			2
15	WG9033-LCS	WG9033-2	111*	116*	96	105			2
16	WG9033-LCSD	WG9033-3	103	108*	91	100			1
17	C03V-10S-12-0804MS	WG9033-4	73	77	62	68			0
18	C03V-10S-12-0804MSD	WG9033-5	101	106*	87	95			1
19	C03V-10S-06-0804	WU2388-3DL	84	94	91	102			0
20	C03V-10F-0804	WU2388-15DL	D	D	D	D			0
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

FORM II PEST-2

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG9093-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Lab Sample ID: WG9093-2 Lab File ID: 6UH3087

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 08/09/04

Date Analyzed (1): 08/20/04 Date Analyzed (2): 08/20/04

Time Analyzed (1): 1416 Time Analyzed (2): 1416

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): RTX-5 ID: 0.53(mm) GC Column (2): RTX-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG9093-LCS	WG9093-1	6UH3088	08/20/04	08/20/04
02	WG9093-LCSD	WG9093-3	6UH3089	08/20/04	08/20/04
03	KWFB080404	WU2388-18	6UH3090	08/20/04	08/20/04
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 100

Lab ID: WG9033-1
Client ID: WG9033-Blank
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	10
11104-28-2	Aroclor-1221	U	17	1.0	17	17	8.2
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	8.2
11097-69-1	Aroclor-1254	U	17	1.0	17	17	4.7
11096-82-5	Aroclor-1260	U	17	1.0	17	17	8.6
877-09-8	Tetrachloro-m-xylene		*109%				
2051-24-3	Decachlorobiphenyl		97%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/09/04
Analysis Date: 08/20/04
Report Date: 08/24/2004
Matrix: WATER
% Solids: NA

Lab ID: WG9093-2
Client ID: WG9093-Blank
SDG: WU2388
Extracted by: JFC
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9093
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	0.33
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.22
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.11
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.18
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.080
877-09-8	Tetrachloro-m-xylene		68%				
2051-24-3	Decachlorobiphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/24/2004
Matrix: SOIL

Lab ID: WG9033-2 & WG9033-3
Client ID: WG9033-LCS & WG9033-LCSD
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	167	167	NA	185	184	111	110	0.5	50	56-116
Aroclor-1260	167	167	NA	184	183	110	110	0.5	50	59-118

FORM III PEST-2

6UH1093.d & 6UH1094.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/09/04
Analysis Date: 08/20/04
Report Date: 08/24/2004
Matrix: WATER

Lab ID: WG9093-1 & WG9093-3
Client ID: WG9093-LCS & WG9093-LCSD
SDG: WU2388
Extracted by: JFC
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9093
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	4.2	4.2	85	84	0.7	30	51-146
Aroclor-1260	5.0	5.0	NA	4.7	4.6	94	91	3	30	63-132

FORM III PEST-1

6UH3088.d & 6UH3089.d

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/04/04
Received Date: 08/05/04
Extraction Date: 08/05/04
Analysis Date: 08/06/04
Report Date: 08/24/2004
Matrix: SOIL

Lab ID: WG9033-4 & WG9033-5
Client ID: C03V-10S-12-0804MS & C03V-10S-12-0804MSD
SDG: WU2388
Extracted by: NB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9033
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	209	209	0.00	171	220	82	105	25	50	56-116
Aroclor-1260	209	209	3200	268	399	NC	NC	39	50	59-118

FORM III PEST-2

6UH1095.d & 6UH1096.d

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.13 DCB: 20.57

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	7.14	20.58
02	ICAL	AR1660 0.05P	01/30/04	1712	7.13	20.58
03	ICAL	AR1660 0.10P	01/30/04	1741	7.14	20.58
04	ICAL	AR1660 0.25P	01/30/04	1809	7.13	20.58
05	ICAL	AR1660 2.5PP	01/30/04	1838	7.13	20.57
06	ICAL	AR1660 10PPM	01/30/04	1906	7.13	20.57
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1248 1.0PP	01/30/04	2322		
11	ICAL	AR1254 1.0PP	01/31/04	0212		
12	ICAL	AR1221 1.0PP	01/31/04	0503		
13	ICAL	AR1232 1.0PP	01/31/04	0531		
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: CTO 351 NAS KEY WEST SDG No.: WU2388

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.92 DCB: 20.31

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/06/04	0913	6.93	20.32
02	C03V-10S-12-	WU2388-4	08/06/04	1128	6.94	20.32
03	C03V-10S-24-	WU2388-5	08/06/04	1157	6.93	20.32
04	C03V-10W-06-	WU2388-6	08/06/04	1225	6.93	20.32
05	C03V-11S-24-	WU2388-11	08/06/04	1254	6.92	20.31
06	C03V-11E-12-	WU2388-13	08/06/04	1322	6.92	20.31
07	C03V-11F-080	WU2388-16	08/06/04	1351	6.92	20.32
08	C03V-DUP03-0	WU2388-17	08/06/04	1419	6.92	20.31
09	C03V-10W-12-	WU2388-7	08/06/04	1517	6.92	20.31
10	C03V-10W-24-	WU2388-8	08/06/04	1545	6.92	20.31
11	C03V-11S-06-	WU2388-9	08/06/04	1614	6.92	20.31
12	C03V-11S-12-	WU2388-10	08/06/04	1642	6.92	20.31
13	C03V-11E-06-	WU2388-12	08/06/04	1711	6.92	20.31
14	C03V-11E-24-	WU2388-14	08/06/04	1739	6.92	20.31
15	CV	AR1660 1.0PP	08/06/04	1933	6.92	20.31
16	WG9033-BLANK	WG9033-1	08/06/04	2127	6.92	20.31
17	WG9033-LCS	WG9033-2	08/06/04	2156	6.92	20.31
18	WG9033-LCSD	WG9033-3	08/06/04	2224	6.92	20.31
19	C03V-10S-12-	WG9033-4	08/06/04	2253	6.92	20.31
20	C03V-10S-12-	WG9033-5	08/06/04	2321	6.92	20.31

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.92 DCB: 20.31

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	C03V-10S-06-	WU2388-3DL	08/06/04	2350	6.92	20.31
02	CV	AR1660 1.0PP	08/07/04	0144	6.92	20.31
03	CV	AR1660 1.0PP	08/09/04	1039	6.93	20.31
04	C03V-10F-080	WU2388-15DL	08/09/04	1321		
05	CV	AR1660 1.0PP	08/09/04	1835	6.92	20.31
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: CTO 351 NAS KEY WEST SDG No.: WU2388

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.73 DCB: 20.71

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/06/04	0913	6.74	20.72
02	C03V-10S-12-	WU2388-4	08/06/04	1128	6.74	20.72
03	C03V-10S-24-	WU2388-5	08/06/04	1157	6.73	20.72
04	C03V-10W-06-	WU2388-6	08/06/04	1225	6.73	20.72
05	C03V-11S-24-	WU2388-11	08/06/04	1254	6.73	20.72
06	C03V-11E-12-	WU2388-13	08/06/04	1322	6.73	20.72
07	C03V-11F-080	WU2388-16	08/06/04	1351	6.73	20.72
08	C03V-DUP03-0	WU2388-17	08/06/04	1419	6.73	20.72
09	C03V-10W-12-	WU2388-7	08/06/04	1517	6.73	20.72
10	C03V-10W-24-	WU2388-8	08/06/04	1545	6.73	20.72
11	C03V-11S-06-	WU2388-9	08/06/04	1614	6.73	20.72
12	C03V-11S-12-	WU2388-10	08/06/04	1642	6.73	20.72
13	C03V-11E-06-	WU2388-12	08/06/04	1711	6.73	20.72
14	C03V-11E-24-	WU2388-14	08/06/04	1739	6.73	20.72
15	CV	AR1660 1.0PP	08/06/04	1933	6.73	20.72
16	WG9033-BLANK	WG9033-1	08/06/04	2127	6.73	20.71
17	WG9033-LCS	WG9033-2	08/06/04	2156	6.73	20.71
18	WG9033-LCSD	WG9033-3	08/06/04	2224	6.73	20.71
19	C03V-10S-12-	WG9033-4	08/06/04	2253	6.73	20.71
20	C03V-10S-12-	WG9033-5	08/06/04	2321	6.73	20.71

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: CTO 351 NAS KEY WEST SDG No.: WU2388

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.73 DCB: 20.71

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	C03V-10S-06-	WU2388-3DL	08/06/04	2350	6.73	20.71
02	CV	AR1660 1.0PP	08/07/04	0144	6.73	20.71
03	CV	AR1660 1.0PP	08/09/04	1039	6.73	20.72
04	C03V-10F-080	WU2388-15DL	08/09/04	1321		
05	CV	AR1660 1.0PP	08/09/04	1835	6.72	20.71
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: CTO 351 NAS KEY WEST SDG No.: WU2388

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/19/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.90 DCB: 20.27

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	08/19/04	1123	6.90	20.27
02	ICAL	AR1660 0.05P	08/19/04	1151	6.89	20.28
03	ICAL	AR1660 0.10P	08/19/04	1219	6.89	20.28
04	ICAL	AR1660 0.25P	08/19/04	1248	6.89	20.27
05	ICAL	AR1660 2.5PP	08/19/04	1317	6.89	20.27
06	ICAL	AR1660 10PPM	08/19/04	1345	6.89	20.27
07	INDSOURCE	AR1016 1.0PP	08/19/04	1414		
08	ICAL	AR1260 1.0PP	08/19/04	1442		
09	ICAL	AR1242 1.0PP	08/19/04	1511		
10	ICAL	AR1248 1.0PP	08/19/04	1801		
11	ICAL	AR1254 1.0PP	08/19/04	2052		
12	ICAL	AR1221 1.0PP	08/19/04	2343		
13	ICAL	AR1232 1.0PP	08/20/04	0012		
14	CV	AR1660 1.0PP	08/20/04	1008	6.90	20.28
15	WG9093-BLANK	WG9093-2	08/20/04	1416	6.89	20.27
16	WG9093-LCS	WG9093-1	08/20/04	1445	6.89	20.27
17	WG9093-LCSD	WG9093-3	08/20/04	1513	6.89	20.27
18	KWFB080404	WU2388-18	08/20/04	1542	6.89	20.26
19	CV	AR1660 1.0PP	08/20/04	2221	6.89	20.27
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: CTO 351 NAS KEY WEST SDG No.: WU2388

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.71 DCB: 20.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	08/19/04	1123	6.71	20.70
02	ICAL	AR1660 0.05P	08/19/04	1151	6.71	20.70
03	ICAL	AR1660 0.10P	08/19/04	1219	6.71	20.70
04	ICAL	AR1660 0.25P	08/19/04	1248	6.71	20.70
05	ICAL	AR1660 2.5PP	08/19/04	1317	6.71	20.70
06	ICAL	AR1660 10PPM	08/19/04	1345	6.71	20.70
07	ICAL	AR1016 1.0PP	08/19/04	1414		
08	ICAL	AR1260 1.0PP	08/19/04	1442		
09	ICAL	AR1242 1.0PP	08/19/04	1511		
10	ICAL	AR1248 1.0PP	08/19/04	1801		
11	ICAL	AR1254 1.0PP	08/19/04	2052		
12	ICAL	AR1221 1.0PP	08/19/04	2343		
13	ICAL	AR1232 1.0PP	08/20/04	0012		
14	CV	AR1660 1.0PP	08/20/04	1008	6.71	20.70
15	WG9093-BLANK	WG9093-2	08/20/04	1416	6.71	20.70
16	WG9093-LCS	WG9093-1	08/20/04	1445	6.70	20.69
17	WG9093-LCSD	WG9093-3	08/20/04	1513	6.70	20.69
18	KWFB080404	WU2388-18	08/20/04	1542	6.70	20.69
19	CV	AR1660 1.0PP	08/20/04	2221	6.70	20.69
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 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-10F-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: KAS PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-15DL Date(s) Analyzed: 08/09/04 08/09/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1260 COLUMN 1	1	15.73	15.65	15.79	27700		
	2	16.27	16.19	16.33	28200		
	3	16.85	16.77	16.91	30600		
	4	17.53	17.45	17.59	32900		
	5	18.87	18.79	18.93	24100	28700	
COLUMN 2	1	16.77	16.70	16.84	29000		
	2	17.17	17.09	17.23	31600		
	3	18.13	18.06	18.20	32100		
	4	19.27	19.19	19.33	26000		
	5					29700	3.4
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-10S
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: KAS PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-3DL Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1260 COLUMN 1	1	15.72	15.65	15.79	6790		
	2	16.26	16.19	16.33	6880		
	3	16.85	16.78	16.92	7510		
	4	17.52	17.45	17.59	8070		
	5	18.87	18.80	18.94	6250	7100	
COLUMN 2	1	15.87	15.80	15.94	8780		
	2	16.77	16.70	16.84	7510		
	3	17.17	17.10	17.24	7990		
	4	18.13	18.06	18.20	8130		
	5	19.26	19.20	19.34	6850	7850	9.6
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-10S
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-4 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.65	15.79	2700		
Aroclor-1260	2	16.27	16.19	16.33	2730		
	3	16.85	16.78	16.92	3150		
COLUMN 1	4	17.53	17.45	17.59	3430		
	5	18.88	18.80	18.94	2650	2930	
	1	15.88	15.80	15.94	3400		
	2	16.78	16.70	16.84	2910		
	3	17.18	17.10	17.24	3340		
COLUMN 2	4	18.14	18.06	18.20	3460		
	5	19.27	19.20	19.34	2920	3200	8.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-10S
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-5 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.65	15.79	999		
Aroclor-1260	2	16.26	16.19	16.33	1010		
	3	16.85	16.78	16.92	1140		
COLUMN 1	4	17.53	17.45	17.59	1270		
	5	18.87	18.80	18.94	947	1070	
	1	15.88	15.80	15.94	1330		
	2	16.78	16.70	16.84	1080		
	3	17.17	17.10	17.24	1200		
COLUMN 2	4	18.14	18.06	18.20	1240		
	5	19.27	19.20	19.34	1010	1170	8.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-10W
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-6 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	2150		
Aroclor-1260	2	16.27	16.19	16.33	2270		
	3	16.85	16.78	16.92	2420		
COLUMN 1	4	17.52	17.45	17.59	2690		
	5	18.87	18.80	18.94	1960	2300	
	1	15.87	15.80	15.94	3110		
	2	16.77	16.70	16.84	2470		
	3	17.17	17.10	17.24	2570		
COLUMN 2	4	18.13	18.06	18.20	2680		
	5	19.27	19.20	19.34	2110	2590	11.2
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-10W
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-7 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.65	15.79	1070		
Aroclor-1260	2	16.26	16.19	16.33	1050		
	3	16.85	16.78	16.92	1140		
COLUMN 1	4	17.52	17.45	17.59	1260		
	5	18.87	18.80	18.94	913	1090	
	1	15.86	15.80	15.94	2110		
	2	16.78	16.70	16.84	1130		
	3	17.17	17.10	17.24	1210		
COLUMN 2	4	18.13	18.06	18.20	1240		
	5	19.27	19.20	19.34	993	1340	18.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-10W
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-8 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	1190		
Aroclor-1260	2	16.26	16.19	16.33	1230		
	3	16.85	16.78	16.92	1330		
COLUMN 1	4	17.52	17.45	17.59	1450		
	5	18.87	18.80	18.94	1090	1260	
	1	15.87	15.80	15.94	1510		
	2	16.77	16.70	16.84	1310		
	3	17.17	17.10	17.24	1420		
COLUMN 2	4	18.13	18.06	18.20	1460		
	5	19.27	19.20	19.34	1180	1380	8.7
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-11E
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-12 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	2890		
Aroclor-1260	2	16.26	16.19	16.33	3070		
	3	16.85	16.78	16.92	3460		
COLUMN 1	4	17.52	17.45	17.59	3800		
	5	18.87	18.80	18.94	3030	3250	
	1	15.87	15.80	15.94	3590		
	2	16.77	16.70	16.84	3300		
	3	17.17	17.10	17.24	3600		
COLUMN 2	4	18.13	18.06	18.20	3830		
	5	19.27	19.20	19.34	3180	3500	7.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-11S
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-9 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.65	15.79	440		
Aroclor-1260	2	16.26	16.19	16.33	466		
	3	16.85	16.78	16.92	508		
COLUMN 1	4	17.52	17.45	17.59	568		
	5	18.87	18.80	18.94	463	489	
	1	15.87	15.80	15.94	535		
	2	16.78	16.70	16.84	497		
	3	17.17	17.10	17.24	542		
COLUMN 2	4	18.13	18.06	18.20	582		
	5	19.27	19.20	19.34	512	534	8.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-11S
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-11 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.65	15.79	1260		
Aroclor-1260	2	16.26	16.19	16.33	1320		
	3	16.85	16.78	16.92	1340		
COLUMN 1	4	17.52	17.45	17.59	1430		
	5	18.87	18.80	18.94	983	1260	
	1	15.87	15.80	15.94	1660		
	2	16.77	16.70	16.84	1390		
	3	17.17	17.10	17.24	1380		
COLUMN 2	4	18.13	18.06	18.20	1400		
	5	19.27	19.20	19.34	1040	1370	8.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-11E
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-14 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.65	15.79	23.1		
Aroclor-1260	2	16.27	16.19	16.33	23.6		
	3	16.85	16.78	16.92	23.9		
COLUMN 1	4	17.53	17.45	17.59	25.9		
	5	18.87	18.80	18.94	14.0	22.1	
	1	15.88	15.80	15.94	38.2		
	2	16.78	16.70	16.84	30.8		
	3	17.17	17.10	17.24	30.3		
COLUMN 2	4	18.14	18.06	18.20	27.5		
	5	19.27	19.20	19.34	17.8	28.9	23.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-11F-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-16 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.72	15.65	15.79	1830		
Aroclor-1260	2	16.27	16.19	16.33	1850		
	3	16.85	16.78	16.92	2000		
COLUMN 1	4	17.52	17.45	17.59	2200		
	5	18.87	18.80	18.94	1580	1890	
	1	15.87	15.80	15.94	2750		
	2	16.78	16.70	16.84	2080		
	3	17.17	17.10	17.24	2150		
COLUMN 2	4	18.13	18.06	18.20	2220		
	5	19.27	19.20	19.34	1730	2190	13.7
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-DUP03-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2388

Lab Sample ID: WU2388-17 Date(s) Analyzed: 08/06/04 08/06/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.73	15.65	15.79	9.34		
Aroclor-1260	2	16.27	16.19	16.33	10.5		
	3	16.85	16.78	16.92	12.5		
COLUMN 1	4	17.53	17.45	17.59	14.4		
	5	18.87	18.80	18.94	10.3	11.4	
	1	15.88	15.80	15.94	21.4		
	2	16.78	16.70	16.84	14.1		
	3	17.17	17.10	17.24	16.1		
COLUMN 2	4	18.14	18.06	18.20	16.1		
	5	19.27	19.20	19.34	11.2	15.8	27.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date(s): 01/30/04 01/31/04

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 1644 0531

LAB FILE ID: RF0.05: 6UA3224 RF0.1: 6UA3225 RF0.25: 6UA3226
RF1: 6UA3230 RF2.5: 6UA3227 RF10: 6UA3228

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	1488	2933	6476	20911	50122	158460	2ORDR	-1.73e-002	4.457e-005	1.177e-010	0.99997	0.99000	
(2)	3590	6920	14786	46465	109540	348280	2ORDR	-2.69e-002	2.051e-005	2.378e-011	0.99997	0.99000	
(3)	1964	3840	8329	25896	62739	200740	2ORDR	-2.21e-002	3.61e-005	6.886e-011	0.99995	0.99000	
(4)	1156	2312	5145	17041	42764	141500	2ORDR	-9.54e-003	5.418e-005	1.17e-010	0.99995	0.99000	
(5)	1309	2506	5287	16906	37281	116290	2ORDR	-3.67e-002	5.865e-005	2.38e-010	0.99996	0.99000	
Aroclor-1221				4615			2ORDR	0.00000000	2.167e-004	0.00000000	1.00000	0.99000	<
(2)				11045			2ORDR	0.00000000	9.054e-005	0.00000000	1.00000	0.99000	<
(3)				8096			2ORDR	0.00000000	1.235e-004	0.00000000	1.00000	0.99000	<
(4)				24183			2ORDR	0.00000000	4.135e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232				21056			2ORDR	0.00000000	4.749e-005	0.00000000	1.00000	0.99000	<
(2)				10320			2ORDR	0.00000000	9.69e-005	0.00000000	1.00000	0.99000	<
(3)				22658			2ORDR	0.00000000	4.413e-005	0.00000000	1.00000	0.99000	<
(4)				13099			2ORDR	0.00000000	7.634e-005	0.00000000	1.00000	0.99000	<
(5)				8385			2ORDR	0.00000000	1.193e-004	0.00000000	1.00000	0.99000	<
Aroclor-1242	1737	2717	6394	21036	44724	138490	2ORDR	-3.73e-002	4.805e-005	1.765e-010	0.99992	0.99000	
(2)	1399	2228	5421	18848	41471	129900	2ORDR	-2.36e-002	5.245e-005	1.904e-010	0.99997	0.99000	
(3)	3321	5186	12070	40698	90743	282900	2ORDR	-2.68e-002	2.403e-005	4.036e-011	0.99998	0.99000	
(4)	1840	2866	6834	23329	51926	163250	2ORDR	-2.55e-002	4.221e-005	1.177e-010	0.99998	0.99000	
(5)	1095	1686	4159	15059	35050	114690	2ORDR	-1.35e-002	6.467e-005	1.974e-010	1.00000	0.99000	
Aroclor-1248	1802	3282	7704	25659	55832	185500	2ORDR	-3.7e-002	4.076e-005	7.204e-011	0.99991	0.99000	
(2)	1507	2800	6736	23406	52033	178150	2ORDR	-2.92e-002	4.458e-005	6.582e-011	0.99994	0.99000	
(3)	2130	3885	8984	30135	65638	221970	2ORDR	-3.86e-002	3.508e-005	4.574e-011	0.99990	0.99000	
(4)	2285	4098	9538	32533	70944	240900	2ORDR	-3.67e-002	3.252e-005	3.801e-011	0.99991	0.99000	
(5)	1553	2920	7030	25178	56948	198880	2ORDR	-2.4e-002	4.124e-005	4.61e-011	0.99995	0.99000	
Aroclor-1254	3073	5810	13983	41152	97891	303840	2ORDR	-2.36e-002	2.251e-005	3.448e-011	0.99994	0.99000	
(2)	1592	3133	8127	25632	63816	204560	2ORDR	-6.21e-003	3.54e-005	6.606e-011	0.99994	0.99000	
(3)	3031	5795	14674	45296	111430	353080	2ORDR	-1.11e-002	2.011e-005	2.334e-011	0.99994	0.99000	
(4)	2625	5000	12615	38453	94434	297880	2ORDR	-1.25e-002	2.366e-005	3.34e-011	0.99994	0.99000	
(5)	1329	2603	6673	19864	47648	147970	2ORDR	-1.68e-002	4.616e-005	1.455e-010	0.99994	0.99000	
Aroclor-1260	1756	3478	7533	24884	57806	193210	2ORDR	-2.84e-002	4.004e-005	6.143e-011	0.99998	0.99000	
(2)	1632	3251	7165	24706	58761	200890	2ORDR	-1.98e-002	3.994e-005	4.948e-011	0.99999	0.99000	
(3)	3703	7308	15981	55751	132930	463160	2ORDR	-2.03e-002	1.785e-005	8.179e-012	0.99999	0.99000	
(4)	1802	3648	8288	29428	71213	247380	2ORDR	-1.29e-002	3.323e-005	2.929e-011	0.99999	0.99000	
(5)	940	1996	4608	16501	39296	135760	2ORDR	-1.32e-002	5.983e-005	1.026e-010	0.99999	0.99000	
Tetrachloro-m-xylene	1046	2133	4944	19038	47892	163420	2ORDR	1.061e-004	9.772e-007	1.504e-012	0.99998	0.99000	
Decachlorobiphenyl	998	2047	4723	16129	36702	118840	2ORDR	-4.25e-004	1.224e-006	3.893e-012	0.99998	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date(s): 01/30/04 01/31/04

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 1644 0531

LAB FILE ID: RF0.05: 6UA4224 RF0.1: 6UA4225 RF0.25: 6UA4226
RF1: 6UA4230 RF2.5: 6UA4227 RF10: 6UA4228

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	3610	6995	14898	47378	104100	317680	2ORDR	-3.42e-002	2.057e-005	3.47e-011	0.99996	0.99000	
(2)	1582	3229	7115	24299	53242	166260	2ORDR	-2.64e-002	4.076e-005	1.176e-010	0.99996	0.99000	
(3)	5804	11157	23571	77152	172980	549660	2ORDR	-3.28e-002	1.285e-005	9.826e-012	0.99997	0.99000	
(4)	2561	5042	10881	36551	79398	250640	2ORDR	-3.33e-002	2.761e-005	4.961e-011	0.99994	0.99000	
(5)	1830	3694	8189	29026	64714	210850	2ORDR	-2.39e-002	3.472e-005	6.083e-011	0.99997	0.99000	
Aroclor-1221				18117			2ORDR	0.00000000	5.52e-005	0.00000000	1.00000	0.99000	<
(2)				12525			2ORDR	0.00000000	7.984e-005	0.00000000	1.00000	0.99000	<
(3)				35803			2ORDR	0.00000000	2.793e-005	0.00000000	1.00000	0.99000	<
(4)				9964			2ORDR	0.00000000	1.004e-004	0.00000000	1.00000	0.99000	<
Aroclor-1232				32462			2ORDR	0.00000000	3.081e-005	0.00000000	1.00000	0.99000	<
(2)				24871			2ORDR	0.00000000	4.021e-005	0.00000000	1.00000	0.99000	<
(3)				11524			2ORDR	0.00000000	8.678e-005	0.00000000	1.00000	0.99000	<
(4)				17040			2ORDR	0.00000000	5.869e-005	0.00000000	1.00000	0.99000	<
(5)				10301			2ORDR	0.00000000	9.708e-005	0.00000000	1.00000	0.99000	<
Aroclor-1242	3493	5404	12566	40712	88205	263660	2ORDR	-3.13e-002	2.368e-005	5.452e-011	0.99997	0.99000	
(2)	5329	8512	19813	64936	144840	450280	2ORDR	-2.92e-002	1.504e-005	1.607e-011	0.99998	0.99000	
(3)	2338	3791	9090	30157	66750	205080	2ORDR	-2.57e-002	3.217e-005	8.153e-011	0.99998	0.99000	
(4)	1588	2584	6263	20362	44309	133910	2ORDR	-2.83e-002	4.757e-005	2.041e-010	0.99997	0.99000	
(5)	2240	3634	8812	29622	65876	207230	2ORDR	-2.58e-002	3.327e-005	7.292e-011	0.99997	0.99000	
Aroclor-1248	2917	5411	12400	40574	87498	287290	2ORDR	-4.06e-002	2.579e-005	3.19e-011	0.99990	0.99000	
(2)	1737	3206	7567	25496	55554	181200	2ORDR	-3.27e-002	4.039e-005	8.27e-011	0.99993	0.99000	
(3)	3533	6470	14944	49708	108240	362410	2ORDR	-3.86e-002	2.115e-005	1.81e-011	0.99991	0.99000	
(4)	2850	5218	12144	40487	88480	295580	2ORDR	-3.7e-002	2.584e-005	2.749e-011	0.99992	0.99000	
(5)	2389	4425	10627	37001	82579	282820	2ORDR	-2.84e-002	2.812e-005	2.599e-011	0.99994	0.99000	
Aroclor-1254	1187	2287	5849	17543	41144	122750	2ORDR	-1.52e-002	5.129e-005	2.468e-010	0.99995	0.99000	
(2)	1382	2656	6720	20097	47304	141510	2ORDR	-1.58e-002	4.479e-005	1.836e-010	0.99995	0.99000	
(3)	2460	4693	11925	36509	90031	278210	2ORDR	-8.25e-003	2.439e-005	4.163e-011	0.99992	0.99000	
(4)	4771	8917	22286	67324	164730	516180	2ORDR	-1.43e-002	1.35e-005	1.143e-011	0.99993	0.99000	
(5)	3592	6828	17008	50941	123010	384390	2ORDR	-1.75e-002	1.801e-005	2.094e-011	0.99994	0.99000	
Aroclor-1260	3679	7204	15597	52127	124000	412290	2ORDR	-2.19e-002	1.865e-005	1.372e-011	0.99998	0.99000	
(2)	2832	5573	12168	40674	95807	317640	2ORDR	-2.3e-002	2.405e-005	2.362e-011	0.99998	0.99000	
(3)	5897	11469	24827	84341	202420	703050	2ORDR	-2.25e-002	1.173e-005	3.589e-012	0.99998	0.99000	
(4)	3310	6581	14544	49802	118380	401510	2ORDR	-1.99e-002	1.973e-005	1.301e-011	0.99999	0.99000	
(5)	1497	3024	6912	23843	56334	189580	2ORDR	-1.76e-002	4.116e-005	6.161e-011	0.99999	0.99000	
Tetrachloro-m-xylene	2649	4261	10472	35795	85539	280350	2ORDR	-2.83e-004	5.341e-007	6.431e-013	0.99999	0.99000	
Decachlorobiphenyl	1373	2834	6390	21448	48833	153540	2ORDR	-4.12e-004	9.004e-007	2.637e-012	0.99998	0.99000	

FORM VI SV

Report Date: 17-Mar-2004 14:42

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06UC16A1.b\PCBA024B.M
Start Cal Date: 30-JAN-2004 16:44
End Cal Date : 20-FEB-2004 21:29
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
20-FEB-2004 19:35	AR1232	6UB3035.d
20-FEB-2004 16:45	AR1221	6UB3029.d
31-JAN-2004 02:41	ar1254	6UA3224.d
30-JAN-2004 23:50	AR1248	6UA3218.d
30-JAN-2004 21:00	AR1242	6UA3212.d
30-JAN-2004 17:12	AR1660	6UA3204.d
Cal Level: 2 , Cal Amount: 0.10000		
20-FEB-2004 20:03	AR1232	6UB3036.d
31-JAN-2004 03:09	ar1254	6UA3225.d
31-JAN-2004 00:19	AR1248	6UA3219.d
30-JAN-2004 21:28	AR1242	6UA3213.d
30-JAN-2004 17:41	AR1660	6UA3205.d
Cal Level: 3 , Cal Amount: 0.25000		
20-FEB-2004 20:32	AR1232	6UB3037.d
20-FEB-2004 17:41	AR1221	6UB3031.d
31-JAN-2004 03:38	ar1254	6UA3226.d
31-JAN-2004 00:47	AR1248	6UA3220.d
30-JAN-2004 21:57	AR1242	6UA3214.d
30-JAN-2004 18:09	AR1660	6UA3206.d
Cal Level: 4 , Cal Amount: 1.00000		
20-FEB-2004 19:06	AR1232	6UB3034.d
20-FEB-2004 16:16	AR1221	6UB3028.d
31-JAN-2004 02:12	ar1254	6UA3223.d
30-JAN-2004 23:22	AR1248	6UA3217.d
30-JAN-2004 20:32	AR1242	6UA3211.d
30-JAN-2004 16:44	AR1660	6UA3203.d
Cal Level: 5 , Cal Amount: 2.50000		
20-FEB-2004 21:00	AR1232	6UB3038.d
20-FEB-2004 18:10	AR1221	6UB3032.d
31-JAN-2004 04:06	ar1254	6UA3227.d
31-JAN-2004 01:16	AR1248	6UA3221.d
30-JAN-2004 22:25	AR1242	6UA3215.d

30-JAN-2004 18:38	AR1660	6UA3207.d

Cal Level: 6 , Cal Amount: 10.00000

20-FEB-2004 21:29	AR1232	6UB3039.d
20-FEB-2004 18:38	AR1221	6UB3033.d
31-JAN-2004 04:34	ar1254	6UA3228.d
31-JAN-2004 01:44	AR1248	6UA3222.d
30-JAN-2004 22:54	AR1242	6UA3216.d
30-JAN-2004 19:06	AR1660	6UA3208.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

17-MAR-2004 02:10	AR1254	6UC1125.d
17-MAR-2004 01:41	AR1248	6UC1124.d
17-MAR-2004 01:13	AR1242	6UC1123.d
17-MAR-2004 00:45	AR1660	6UC1122.d
16-MAR-2004 23:48	AR1254	6UC1120.d
16-MAR-2004 23:19	AR1248	6UC1119.d
16-MAR-2004 22:51	AR1242	6UC1118.d
16-MAR-2004 22:23	AR1660	6UC1117.d
17-MAR-2004 02:10	ar1660	6UC2125.d
17-MAR-2004 01:41	ar1660	6UC2124.d
17-MAR-2004 01:13	ar1660	6UC2123.d
17-MAR-2004 00:45	ar1660	6UC2122.d
16-MAR-2004 23:48	ar1660	6UC2120.d
16-MAR-2004 23:19	ar1660	6UC2119.d
16-MAR-2004 22:51	ar1660	6UC2118.d
16-MAR-2004 22:23	ar1660	6UC2117.d
16-MAR-2004 12:26	AR1254	6UC1096.d
16-MAR-2004 11:57	AR1248	6UC1095.d
16-MAR-2004 12:26	ar1660	6UC2096.d
16-MAR-2004 11:57	ar1660	6UC2095.d
16-MAR-2004 11:27	AR1242	6UC1094.d
16-MAR-2004 11:27	ar1660	6UC2094.d
16-MAR-2004 10:58	AR1660	6UC1093.d
16-MAR-2004 10:58	ar1660	6UC2093.d
16-MAR-2004 10:30	ar1660	6UC2092.d
16-MAR-2004 10:30	ar1660	6UC1092.d

Report Date: 17-Mar-2004 14:42

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06UC16B1.B\PCBB024B.M
Start Cal Date: 30-JAN-2004 16:44
End Cal Date : 20-FEB-2004 21:29
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
20-FEB-2004 19:35	AR1232	6UB4035.d
20-FEB-2004 16:45	AR1221	6UB4029.d
31-JAN-2004 02:41	AR1254	6UA4224.d
30-JAN-2004 23:50	AR1248	6UA4218.d
30-JAN-2004 21:00	AR1242	6UA4212.d
30-JAN-2004 17:12	AR1660	6UA4204.d
Cal Level: 2 , Cal Amount: 0.10000		
20-FEB-2004 20:03	AR1232	6UB4036.d
20-FEB-2004 17:13	AR1221	6UB4030.d
31-JAN-2004 03:09	AR1254	6UA4225.d
31-JAN-2004 00:19	AR1248	6UA4219.d
30-JAN-2004 21:28	AR1242	6UA4213.d
30-JAN-2004 17:41	AR1660	6UA4205.d
Cal Level: 3 , Cal Amount: 0.25000		
20-FEB-2004 20:32	AR1232	6UB4037.d
20-FEB-2004 17:41	AR1221	6UB4031.d
31-JAN-2004 03:38	AR1254	6UA4226.d
31-JAN-2004 00:47	AR1248	6UA4220.d
30-JAN-2004 21:57	AR1242	6UA4214.d
30-JAN-2004 18:09	AR1660	6UA4206.d
Cal Level: 4 , Cal Amount: 1.00000		
20-FEB-2004 19:06	AR1232	6UB4034.d
20-FEB-2004 16:16	AR1221	6UB4028.d
31-JAN-2004 02:12	AR1254	6UA4223.d
30-JAN-2004 23:22	AR1248	6UA4217.d
30-JAN-2004 20:32	AR1242	6UA4211.d
30-JAN-2004 16:44	AR1660	6UA4203.d
Cal Level: 5 , Cal Amount: 2.50000		
20-FEB-2004 21:00	AR1232	6UB4038.d
20-FEB-2004 18:10	AR1221	6UB4032.d
31-JAN-2004 04:06	AR1254	6UA4227.d
31-JAN-2004 01:16	AR1248	6UA4221.d

30-JAN-2004 22:25	AR1242	6UA4215.d
30-JAN-2004 18:38	AR1660	6UA4207.d

Cal Level: 6 , Cal Amount: 10.00000

20-FEB-2004 21:29	AR1232	6UB4039.d
20-FEB-2004 18:38	AR1221	6UB4033.d
31-JAN-2004 04:34	AR1254	6UA4228.d
31-JAN-2004 01:44	AR1248	6UA4222.d
30-JAN-2004 22:54	AR1242	6UA4216.d
30-JAN-2004 19:06	AR1660	6UA4208.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

16-MAR-2004 23:48	AR1254	6UC2120.d
16-MAR-2004 23:19	AR1248	6UC2119.d
16-MAR-2004 22:51	AR1242	6UC2118.d
17-MAR-2004 02:10	AR1254	6UC2125.d
17-MAR-2004 01:41	AR1248	6UC2124.d
17-MAR-2004 01:13	AR1242	6UC2123.d
17-MAR-2004 00:45	AR1660	6UC2122.d
16-MAR-2004 22:23	AR1660	6UC2117.d
16-MAR-2004 12:26	AR1254	6UC2096.d
16-MAR-2004 11:57	AR1248	6UC2095.d
16-MAR-2004 11:27	AR1242	6UC2094.d
16-MAR-2004 10:58	AR1660	6UC2093.d

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date(s): 08/19/04 08/19/04

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 1123 2343

LAB FILE ID: RF0.05: 6UH3071 RF0.1: 6UH3072 RF0.25: 6UH3073
RF1: 6UH3076 RF2.5: 6UH3074 RF10: 6UH3075

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	1369	2638	6409	22381	50259	168060	2ORDR	-2.33e-002	4.55e-005	8.42e-011	0.99996	0.99000
(2)	2409	4601	11284	41740	97341	348510	2ORDR	-1.56e-002	2.449e-005	1.219e-011	0.99998	0.99000
(3)	1481	2868	7007	25022	57507	201440	2ORDR	-2.04e-002	4.098e-005	4.354e-011	0.99997	0.99000
(4)	852	1687	4307	16254	38353	140690	2ORDR	-1.09e-002	6.282e-005	5.929e-011	0.99998	0.99000
(5)	1013	1973	4814	15978	35173	118800	2ORDR	-3.35e-002	6.539e-005	1.607e-010	0.99992	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	1823	2876	6203	20155	48315	182560	2ORDR	-3.97e-002	5.145e-005	1.942e-011	0.99997	0.99000
(2)	1406	2256	5036	17361	42595	168980	2ORDR	-2.8e-002	5.923e-005	7.057e-013	0.99998	0.99000
(3)	2427	3867	8830	31762	82977	351200	2ORDR	-1.18e-002	3.102e-005	-7.15e-012	0.99998	0.99000
(4)	1504	2389	5334	19334	48542	203360	2ORDR	-2.02e-002	5.277e-005	-1.72e-011	0.99999	0.99000
(5)	837	1379	3139	12429	31820	140260	2ORDR	-7.05e-003	8.114e-005	-6.98e-011	1.00000	0.99000
Aroclor-1248	1579	3053	7605	25968	63905	215820	2ORDR	-7.68e-003	3.649e-005	4.578e-011	0.99998	0.99000
(2)	1319	2576	6630	23527	59421	205170	2ORDR	8.468e-004	3.974e-005	4.383e-011	0.99997	0.99000
(3)	1236	2441	6327	24131	62568	231010	2ORDR	8.237e-003	3.895e-005	1.859e-011	0.99997	0.99000
(4)	1605	3104	7829	27839	70277	253410	2ORDR	-3.37e-003	3.438e-005	2.009e-011	0.99998	0.99000
(5)	861	1746	4596	19276	51828	200430	2ORDR	2.138e-002	4.779e-005	9.932e-012	0.99995	0.99000
Aroclor-1254	2484	4503	10473	35139	90850	281440	2ORDR	5.819e-003	2.429e-005	3.983e-011	0.99986	0.99000
(2)	1155	2266	5501	21147	57410	182740	2ORDR	2.733e-002	3.909e-005	8.46e-011	0.99980	0.99000
(3)	2132	4015	9786	36349	98348	312490	2ORDR	2.365e-002	2.283e-005	2.908e-011	0.99980	0.99000
(4)	1354	2639	6254	24984	69224	236200	2ORDR	2.724e-002	3.398e-005	3.486e-011	0.99982	0.99000
(5)	908	1856	4135	16482	43021	126400	2ORDR	2.989e-002	4.83e-005	2.416e-010	0.99979	0.99000
Aroclor-1260	1527	2954	7288	25463	57816	201000	2ORDR	-2.4e-002	4.055e-005	4.639e-011	0.99996	0.99000
(2)	1407	2755	6971	25331	58808	205610	2ORDR	-1.47e-002	4.e-005	4.236e-011	0.99998	0.99000
(3)	2631	5151	13328	50863	119490	440900	2ORDR	-1.06e-002	2.019e-005	5.713e-012	0.99998	0.99000
(4)	1221	2488	6753	26517	62132	234280	2ORDR	-7.29e-003	3.905e-005	1.564e-011	0.99997	0.99000
(5)	661	1422	3907	14956	33844	123890	2ORDR	-1.29e-002	7.045e-005	8.383e-011	0.99993	0.99000
Tetrachloro-m-xylene	1117	2175	5525	21226	51502	180150	2ORDR	-1.65e-005	9.163e-007	1.076e-012	1.00000	0.99000
Decachlorobiphenyl	952	1879	4821	16658	36972	119870	2ORDR	-4.08e-004	1.206e-006	3.888e-012	0.99996	0.99000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date(s): 08/19/04 08/20/04

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 1123 0012

LAB FILE ID: RF0.05: 6UH4071 RF0.1: 6UH4072 RF0.25: 6UH4073
RF1: 6UH4077 RF2.5: 6UH4074 RF10: 6UH4075

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	4214	7764	17610	54088	117540	361600	2ORDR	-3.94e-002	1.832e-005	2.612e-011	0.99994	0.99000
(2)	1764	3266	7724	25060	55265	171580	2ORDR	-2.86e-002	3.92e-005	1.122e-010	0.99996	0.99000
(3)	5747	10583	24438	79923	181340	603510	2ORDR	-3.19e-002	1.267e-005	6.546e-012	0.99996	0.99000
(4)	2546	4839	11409	37292	83096	273730	2ORDR	-3.26e-002	2.735e-005	3.4e-011	0.99995	0.99000
(5)	1734	3493	8497	29318	67264	228600	2ORDR	-2.13e-002	3.447e-005	4.098e-011	0.99997	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)				2711			2ORDR	0.00000000	3.689e-004	0.00000000	1.00000	0.99000 <
(3)							2ORDR					0.00000 <
(4)				14011			2ORDR	0.00000000	7.137e-005	0.00000000	1.00000	0.99000 <
(5)				5283			2ORDR	0.00000000	1.893e-004	0.00000000	1.00000	0.99000 <
Aroclor-1242	4522	6848	14737	44271	105090	376820	2ORDR	-4.96e-002	2.323e-005	9.14e-012	0.99994	0.99000
(2)	5894	9153	20056	63342	160910	630490	2ORDR	-3.21e-002	1.575e-005	2.551e-013	0.99995	0.99000
(3)	2568	4082	9276	29639	74065	286910	2ORDR	-3.1e-002	3.397e-005	3.469e-012	0.99997	0.99000
(4)	2019	3124	7153	21767	52333	193060	2ORDR	-4.27e-002	4.714e-005	2.529e-011	0.99995	0.99000
(5)	2588	3999	8803	28441	72147	282400	2ORDR	-2.93e-002	3.506e-005	1.596e-012	0.99996	0.99000
Aroclor-1248	3249	6069	15042	45361	107990	351040	2ORDR	-2.5e-002	2.112e-005	2.118e-011	0.99996	0.99000
(2)	1413	2824	7584	24870	61240	207970	2ORDR	-8.56e-003	3.819e-005	4.777e-011	0.99997	0.99000
(3)	3153	5999	15403	48750	119780	410730	2ORDR	-1.65e-002	1.971e-005	1.139e-011	0.99996	0.99000
(4)	2321	4559	12115	39193	96610	335060	2ORDR	-1.24e-002	2.454e-005	1.595e-011	0.99997	0.99000
(5)	2115	4058	10992	36994	93239	329520	2ORDR	-4.88e-003	2.568e-005	1.421e-011	0.99997	0.99000
Aroclor-1254	1412	2501	6004	18435	44279	128330	2ORDR	-7.72e-003	4.643e-005	2.457e-010	0.99992	0.99000
(2)	1404	2503	6150	19774	48682	147290	2ORDR	-3.17e-003	4.419e-005	1.61e-010	0.99992	0.99000
(3)	2570	4512	10942	35608	91136	283820	2ORDR	1.327e-003	2.432e-005	3.839e-011	0.99988	0.99000
(4)	4806	8309	19667	63659	165360	514880	2ORDR	2.505e-003	1.344e-005	1.16e-011	0.99985	0.99000
(5)	3198	5520	12459	41490	107570	354380	2ORDR	-3.55e-003	2.156e-005	1.881e-011	0.99990	0.99000
Aroclor-1260	3474	6587	15953	54786	126840	448150	2ORDR	-2.48e-002	1.874e-005	8.11e-012	0.99997	0.99000
(2)	2971	5676	13598	45438	104020	362360	2ORDR	-2.94e-002	2.268e-005	1.381e-011	0.99996	0.99000
(3)	5521	10402	25470	88100	206570	749980	2ORDR	-2.32e-002	1.167e-005	2.257e-012	0.99997	0.99000
(4)	3228	6191	15356	53141	121190	435640	2ORDR	-2.69e-002	1.971e-005	7.587e-012	0.99995	0.99000
(5)	1409	2780	7227	25047	56440	195650	2ORDR	-2.33e-002	4.136e-005	5.046e-011	0.99994	0.99000
Tetrachloro-m-xylene	2908	5387	12995	45490	104070	342340	2ORDR	-3.76e-004	4.362e-007	4.356e-013	0.99998	0.99000
Decachlorobiphenyl	1574	3019	7597	24486	53978	170920	2ORDR	-5.63e-004	8.142e-007	2.103e-012	0.99995	0.99000

FORM VI SV

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 01/30/04 Time: 1935

Lab File ID: 6UA3209 Init. Calib. Date(s): 01/30/04 01/31/04

Init. Calib. Times: 1644 0531

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0470000	1.0000000	22540.000	0.01	4.70	15.00	2RDR
(2)	1.0415000	1.0000000	49280.000	0.01	4.15	15.00	2RDR
(3)	1.0596000	1.0000000	28422.000	0.01	5.96	15.00	2RDR
(4)	1.0494000	1.0000000	18785.000	0.01	4.94	15.00	2RDR
(5)	1.0074000	1.0000000	16675.000	0.01	0.74	15.00	2RDR
Average %D: 4.1000							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 01/30/04 Time: 1935

Lab File ID: 6UA4209 Init. Calib. Date(s): 01/30/04 01/31/04

Init. Calib. Times: 1644 0531

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0426000	1.0000000	48402.000	0.01	4.26	15.00	2RDR
(2)	1.0308000	1.0000000	24242.000	0.01	3.08	15.00	2RDR
(3)	1.0286000	1.0000000	77937.000	0.01	2.86	15.00	2RDR
(4)	1.0259000	1.0000000	36035.000	0.01	2.59	15.00	2RDR
(5)	1.0180000	1.0000000	28576.000	0.01	1.80	15.00	2RDR
Average %D: 2.9200							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 01/30/04 Time: 2003

Lab File ID: 6UA3210 Init. Calib. Date(s): 01/30/04 01/31/04

Init. Calib. Times: 1644 0531

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	1.2251000	1.0000000	29933.000	0.01	22.51	15.00	2RDR	<-
(2)	1.1771000	1.0000000	28934.000	0.01	17.71	15.00	2RDR	<-
(3)	1.1684000	1.0000000	64691.000	0.01	16.84	15.00	2RDR	<-
(4)	1.0797000	1.0000000	31977.000	0.01	7.97	15.00	2RDR	
(5)	1.2304000	1.0000000	20093.000	0.01	23.04	15.00	2RDR	<-
Average %D: 17.620								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 01/30/04 Time: 2003

Lab File ID: 6UA4210 Init. Calib. Date(s): 01/30/04 01/31/04

Init. Calib. Times: 1644 0531

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	0.8890300	1.0000000	47201.000	0.01	-11.10	15.00	2RDR	
(2)	1.1301000	1.0000000	45875.000	0.01	13.01	15.00	2RDR	
(3)	1.1629000	1.0000000	98094.000	0.01	16.29	15.00	2RDR	<-
(4)	1.1249000	1.0000000	55950.000	0.01	12.49	15.00	2RDR	
(5)	1.2306000	1.0000000	29058.000	0.01	23.06	15.00	2RDR	<-
Average %D: 10.750								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/19/04 Time: 1414

Lab File ID: 6UH3056 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 2343

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9728700	1.0000000	21071.000	0.01	-2.71	15.00	2RDR
(2)	0.9429100	1.0000000	38404.000	0.01	-5.71	15.00	2RDR
(3)	0.9633600	1.0000000	23423.000	0.01	-3.66	15.00	2RDR
(4)	0.9546200	1.0000000	15153.000	0.01	-4.54	15.00	2RDR
(5)	0.9893200	1.0000000	15083.000	0.01	-1.07	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/19/04 Time: 1414

Lab File ID: 6UH4056 Init. Calib. Date(s): 08/19/04 08/20/04

Init. Calib. Times: 1123 0012

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9968000	1.0000000	52605.000	0.01	-0.32	15.00	2RDR
(2)	0.9949300	1.0000000	24406.000	0.01	-0.51	15.00	2RDR
(3)	0.9725400	1.0000000	76245.000	0.01	-2.75	15.00	2RDR
(4)	0.9848500	1.0000000	35624.000	0.01	-1.52	15.00	2RDR
(5)	0.9757800	1.0000000	27992.000	0.01	-2.42	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/19/04 Time: 1442

Lab File ID: 6UH3057 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 2343

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	1.2122000	1.0000000	29489.000	0.01	21.22	15.00	2RDR	<-
(2)	1.1656000	1.0000000	28638.000	0.01	16.56	15.00	2RDR	<-
(3)	1.1375000	1.0000000	55983.000	0.01	13.75	15.00	2RDR	
(4)	1.0622000	1.0000000	27092.000	0.01	6.22	15.00	2RDR	
(5)	1.2327000	1.0000000	17325.000	0.01	23.27	15.00	2RDR	<-

Avg 16.204

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/19/04 Time: 1442

Lab File ID: 6UH4057 Init. Calib. Date(s): 08/19/04 08/20/04

Init. Calib. Times: 1123 0012

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	0.8920100	1.0000000	47936.000	0.01	-10.80	15.00	2RDR	
Avg (2)	1.1459000	1.0000000	50286.000	0.01	14.59	15.00	2RDR	
(3)	1.1646000	1.0000000	99831.000	0.01	16.46	15.00	2RDR	<-
K.076 (4)	1.1343000	1.0000000	57625.000	0.01	13.43	15.00	2RDR	
(5)	1.2510000	1.0000000	29730.000	0.01	25.10	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/06/04 Time: 0913

Lab File ID: 6UH1067 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1214000	1.0000000	24027.000	0.01	12.14	15.00	2RDR
(2)	1.0075000	1.0000000	47792.000	0.01	0.75	15.00	2RDR
(3)	1.0392000	1.0000000	27912.000	0.01	3.92	15.00	2RDR
(4)	1.0133000	1.0000000	18167.000	0.01	1.33	15.00	2RDR
(5)	1.0135000	1.0000000	16767.000	0.01	1.35	15.00	2RDR
Average %D: 3.9000							
Aroclor-1260	1.0702000	1.0000000	26370.000	0.01	7.02	15.00	2RDR
(2)	1.0713000	1.0000000	26455.000	0.01	7.13	15.00	2RDR
(3)	1.0127000	1.0000000	56424.000	0.01	1.27	15.00	2RDR
(4)	0.9880900	1.0000000	29362.000	0.01	-1.19	15.00	2RDR
(5)	0.9868600	1.0000000	16261.000	0.01	-1.31	15.00	2RDR
Average %D: 2.5800							
Tetrachloro-m-xylene	2.3e-002	2.e-002	1131800.0	0.01	15.00	15.00	2RDR
Decachlorobiphenyl	2.17e-002	2.e-002	858700.00	0.01	8.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/06/04 Time: 0913

Lab File ID: 6UH2067 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1323000	1.0000000	52128.000	0.01	13.23	15.00	2RDR	
(2)	1.0352000	1.0000000	24338.000	0.01	3.52	15.00	2RDR	
(3)	1.0349000	1.0000000	78371.000	0.01	3.49	15.00	2RDR	
(4)	1.0444000	1.0000000	36626.000	0.01	4.44	15.00	2RDR	
(5)	1.0270000	1.0000000	28812.000	0.01	2.70	15.00	2RDR	
Average %D: 5.4800								
Aroclor-1260	1.0418000	1.0000000	54821.000	0.01	4.18	15.00	2RDR	
(2)	1.1027000	1.0000000	44831.000	0.01	10.27	15.00	2RDR	
(3)	1.0423000	1.0000000	88368.000	0.01	4.23	15.00	2RDR	
(4)	1.0663000	1.0000000	53178.000	0.01	6.63	15.00	2RDR	
(5)	1.0688000	1.0000000	25423.000	0.01	6.88	15.00	2RDR	
Average %D: 6.4400								
Tetrachloro-m-xylene	2.37e-002	2.e-002	2136800.0	0.01	18.50	15.00	2RDR	<-
Decachlorobiphenyl	2.35e-002	2.e-002	1239700.0	0.01	17.50	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/06/04 Time: 1933

Lab File ID: 6UH1088 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1583000	1.0000000	24761.000	0.01	15.83	15.00	2RDR	<-
(2)	1.0275000	1.0000000	48670.000	0.01	2.75	15.00	2RDR	
(3)	1.0726000	1.0000000	28747.000	0.01	7.26	15.00	2RDR	
(4)	1.0409000	1.0000000	18639.000	0.01	4.09	15.00	2RDR	
(5)	1.0414000	1.0000000	17185.000	0.01	4.14	15.00	2RDR	
Average %D: 6.8100								
Aroclor-1260	1.0959000	1.0000000	26965.000	0.01	9.59	15.00	2RDR	
(2)	1.1060000	1.0000000	27269.000	0.01	10.60	15.00	2RDR	
(3)	1.0458000	1.0000000	58186.000	0.01	4.58	15.00	2RDR	
(4)	1.0204000	1.0000000	30287.000	0.01	2.04	15.00	2RDR	
(5)	1.0192000	1.0000000	16772.000	0.01	1.92	15.00	2RDR	
Average %D: 5.7500								
Tetrachloro-m-xylene	2.37e-002	2.e-002	1165900.0	0.01	18.50	15.00	2RDR	<-
Decachlorobiphenyl	2.23e-002	2.e-002	879550.00	0.01	11.50	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/06/04 Time: 1933

Lab File ID: 6UH2088 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1916000	1.0000000	54575.000	0.01	19.16	15.00	2RDR	<-
(2)	1.0840000	1.0000000	25384.000	0.01	8.40	15.00	2RDR	
(3)	1.0837000	1.0000000	81754.000	0.01	8.37	15.00	2RDR	
(4)	1.1057000	1.0000000	38584.000	0.01	10.57	15.00	2RDR	
(5)	1.0734000	1.0000000	30025.000	0.01	7.34	15.00	2RDR	
Average %D: 10.770								
Aroclor-1260	1.0879000	1.0000000	57106.000	0.01	8.79	15.00	2RDR	
(2)	1.1487000	1.0000000	46583.000	0.01	14.87	15.00	2RDR	
(3)	1.0945000	1.0000000	92586.000	0.01	9.45	15.00	2RDR	
(4)	1.1262000	1.0000000	56010.000	0.01	12.62	15.00	2RDR	
(5)	1.1204000	1.0000000	26587.000	0.01	12.04	15.00	2RDR	
Average %D: 11.550								
Tetrachloro-m-xylene	2.49e-002	2.e-002	2237800.0	0.01	24.50	15.00	2RDR	<-
Decachlorobiphenyl	2.44e-002	2.e-002	1282600.0	0.01	22.00	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/07/04 Time: 0144

Lab File ID: 6UH1101 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1520000	1.0000000	24636.000	0.01	15.20	15.00	2RDR	<-
(2)	1.0136000	1.0000000	48060.000	0.01	1.36	15.00	2RDR	
(3)	1.0622000	1.0000000	28488.000	0.01	6.22	15.00	2RDR	
(4)	1.0338000	1.0000000	18517.000	0.01	3.38	15.00	2RDR	
(5)	1.0451000	1.0000000	17241.000	0.01	4.51	15.00	2RDR	
Average %D: 6.1300								
Aroclor-1260	1.1066000	1.0000000	27211.000	0.01	10.66	15.00	2RDR	
(2)	1.1098000	1.0000000	27357.000	0.01	10.98	15.00	2RDR	
(3)	1.0371000	1.0000000	57721.000	0.01	3.71	15.00	2RDR	
(4)	1.0210000	1.0000000	30304.000	0.01	2.10	15.00	2RDR	
(5)	1.0273000	1.0000000	16901.000	0.01	2.73	15.00	2RDR	
Average %D: 6.0400								
Tetrachloro-m-xylene	2.35e-002	2.e-002	1157200.0	0.01	17.50	15.00	2RDR	<-
Decachlorobiphenyl	2.29e-002	2.e-002	900150.00	0.01	14.50	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/07/04 Time: 0144

Lab File ID: 6UH2101 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.2197000	1.0000000	55726.000	0.01	21.97	15.00	2RDR	<-
(2)	1.1134000	1.0000000	26012.000	0.01	11.34	15.00	2RDR	
(3)	1.1055000	1.0000000	83261.000	0.01	10.55	15.00	2RDR	
(4)	1.1266000	1.0000000	39248.000	0.01	12.66	15.00	2RDR	
(5)	1.0969000	1.0000000	30635.000	0.01	9.69	15.00	2RDR	
Average %D: 13.240								
Aroclor-1260	1.1167000	1.0000000	58526.000	0.01	11.67	15.00	2RDR	
(2)	1.1872000	1.0000000	48048.000	0.01	18.72	15.00	2RDR	<-
(3)	1.1122000	1.0000000	94008.000	0.01	11.22	15.00	2RDR	
(4)	1.1520000	1.0000000	57226.000	0.01	15.20	15.00	2RDR	<-
(5)	1.1577000	1.0000000	27426.000	0.01	15.77	15.00	2RDR	<-
Average %D: 14.510								
Tetrachloro-m-xylene	2.55e-002	2.e-002	2286100.0	0.01	27.50	15.00	2RDR	<-
Decachlorobiphenyl	2.54e-002	2.e-002	1329600.0	0.01	27.00	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/09/04 Time: 1039

Lab File ID: 6UH1103 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0968000	1.0000000	23537.000	0.01	9.68	15.00	2RDR
(2)	0.9847800	1.0000000	46793.000	0.01	-1.52	15.00	2RDR
(3)	1.0186000	1.0000000	27397.000	0.01	1.86	15.00	2RDR
(4)	0.9871400	1.0000000	17719.000	0.01	-1.29	15.00	2RDR
(5)	0.9886600	1.0000000	16394.000	0.01	-1.13	15.00	2RDR
Average %D: 1.5200							
Aroclor-1260	1.0381000	1.0000000	25628.000	0.01	3.81	15.00	2RDR
(2)	1.0483000	1.0000000	25914.000	0.01	4.83	15.00	2RDR
(3)	0.9526600	1.0000000	53220.000	0.01	-4.73	15.00	2RDR
(4)	0.9477600	1.0000000	28207.000	0.01	-5.22	15.00	2RDR
(5)	0.9461600	1.0000000	15616.000	0.01	-5.38	15.00	2RDR
Average %D: -1.340							
Tetrachloro-m-xylene	2.23e-002	2.e-002	1096500.0	0.01	11.50	15.00	2RDR
Decachlorobiphenyl	2.09e-002	2.e-002	827500.00	0.01	4.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/09/04 Time: 1039

Lab File ID: 6UH2103 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0540000	1.0000000	48879.000	0.01	5.40	15.00	2RDR
(2)	0.9628300	1.0000000	22774.000	0.01	-3.72	15.00	2RDR
(3)	0.9653200	1.0000000	73521.000	0.01	-3.47	15.00	2RDR
(4)	0.9698800	1.0000000	34232.000	0.01	-3.01	15.00	2RDR
(5)	0.9455800	1.0000000	26675.000	0.01	-5.44	15.00	2RDR
Average %D: -2.050							
Aroclor-1260	0.9757300	1.0000000	51535.000	0.01	-2.43	15.00	2RDR
(2)	1.0513000	1.0000000	42862.000	0.01	5.13	15.00	2RDR
(3)	0.9882400	1.0000000	83991.000	0.01	-1.18	15.00	2RDR
(4)	1.0173000	1.0000000	50853.000	0.01	1.73	15.00	2RDR
(5)	1.0089000	1.0000000	24069.000	0.01	0.89	15.00	2RDR
Average %D: 0.8300							
Tetrachloro-m-xylene	2.18e-002	2.e-002	1974800.0	0.01	9.00	15.00	2RDR
Decachlorobiphenyl	2.2e-002	2.e-002	1167000.0	0.01	10.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/09/04 Time: 1835

Lab File ID: 6UH1118 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1170000	1.0000000	23940.000	0.01	11.70	15.00	2RDR
(2)	1.0140000	1.0000000	48075.000	0.01	1.40	15.00	2RDR
(3)	1.0377000	1.0000000	27876.000	0.01	3.77	15.00	2RDR
(4)	1.0060000	1.0000000	18042.000	0.01	0.60	15.00	2RDR
(5)	1.0036000	1.0000000	16619.000	0.01	0.36	15.00	2RDR
Average %D: 3.5700							
Aroclor-1260	1.0688000	1.0000000	26340.000	0.01	6.88	15.00	2RDR
(2)	1.0726000	1.0000000	26485.000	0.01	7.26	15.00	2RDR
(3)	1.0049000	1.0000000	56006.000	0.01	0.49	15.00	2RDR
(4)	0.9920800	1.0000000	29476.000	0.01	-0.79	15.00	2RDR
(5)	0.9826300	1.0000000	16194.000	0.01	-1.74	15.00	2RDR
Average %D: 2.4200							
Tetrachloro-m-xylene	2.3e-002	2.e-002	1134200.0	0.01	15.00	15.00	2RDR
Decachlorobiphenyl	2.16e-002	2.e-002	853350.00	0.01	8.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/09/04 Time: 1835

Lab File ID: 6UH2118 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1529000	1.0000000	52979.000	0.01	15.29	15.00	2RDR	<-
(2)	1.0467000	1.0000000	24584.000	0.01	4.67	15.00	2RDR	
(3)	1.0632000	1.0000000	80337.000	0.01	6.32	15.00	2RDR	
(4)	1.0642000	1.0000000	37259.000	0.01	6.42	15.00	2RDR	
(5)	1.0416000	1.0000000	29194.000	0.01	4.16	15.00	2RDR	
Average %D: 7.3700								
Aroclor-1260	1.0638000	1.0000000	55911.000	0.01	6.38	15.00	2RDR	
(2)	1.1154000	1.0000000	45316.000	0.01	11.54	15.00	2RDR	
(3)	1.0724000	1.0000000	90804.000	0.01	7.24	15.00	2RDR	
(4)	1.0954000	1.0000000	54554.000	0.01	9.54	15.00	2RDR	
(5)	1.0823000	1.0000000	25729.000	0.01	8.23	15.00	2RDR	
Average %D: 8.5900								
Tetrachloro-m-xylene	2.4e-002	2.e-002	2160800.0	0.01	20.00	15.00	2RDR	<-
Decachlorobiphenyl	2.4e-002	2.e-002	1261000.0	0.01	20.00	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/20/04 Time: 1008

Lab File ID: 6UH3082 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0096000	1.0000000	21820.000	0.01	0.96	15.00	2RDR
(2)	0.9815100	1.0000000	39921.000	0.01	-1.85	15.00	2RDR
(3)	0.9982400	1.0000000	24233.000	0.01	-0.18	15.00	2RDR
(4)	0.9890700	1.0000000	15686.000	0.01	-1.09	15.00	2RDR
(5)	1.0286000	1.0000000	15642.000	0.01	2.86	15.00	2RDR
Average %D: 0.1400							
Aroclor-1260	1.0190000	1.0000000	25005.000	0.01	1.90	15.00	2RDR
(2)	1.0026000	1.0000000	24780.000	0.01	0.26	15.00	2RDR
(3)	0.9952100	1.0000000	49139.000	0.01	-0.48	15.00	2RDR
(4)	0.9953800	1.0000000	25416.000	0.01	-0.46	15.00	2RDR
(5)	1.0249000	1.0000000	14483.000	0.01	2.49	15.00	2RDR
Average %D: 0.7400							
Tetrachloro-m-xylene	1.93e-002	2.e-002	1028000.0	0.01	-3.50	15.00	2RDR
Decachlorobiphenyl	2.06e-002	2.e-002	828200.00	0.01	3.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/20/04 Time: 1008

Lab File ID: 6UH4082 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9975000	1.0000000	52638.000	0.01	-0.25	15.00	2RDR
(2)	0.9809600	1.0000000	24093.000	0.01	-1.90	15.00	2RDR
(3)	0.9852700	1.0000000	77176.000	0.01	-1.47	15.00	2RDR
(4)	1.0008000	1.0000000	36158.000	0.01	0.08	15.00	2RDR
(5)	0.9830600	1.0000000	28190.000	0.01	-1.69	15.00	2RDR
Average %D: -1.050							
Aroclor-1260	0.9860200	1.0000000	52744.000	0.01	-1.40	15.00	2RDR
(2)	1.0062000	1.0000000	44461.000	0.01	0.62	15.00	2RDR
(3)	0.9937400	1.0000000	85701.000	0.01	-0.63	15.00	2RDR
(4)	1.0177000	1.0000000	51949.000	0.01	1.77	15.00	2RDR
(5)	1.0289000	1.0000000	24695.000	0.01	2.89	15.00	2RDR
Average %D: 0.6500							
Tetrachloro-m-xylene	1.95e-002	2.e-002	2187900.0	0.01	-2.50	15.00	2RDR
Decachlorobiphenyl	2.07e-002	2.e-002	1226400.0	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: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/20/04 Time: 2221

Lab File ID: 6UH3104 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0411000	1.0000000	22458.000	0.01	4.11	15.00	2RDR
(2)	1.0234000	1.0000000	41564.000	0.01	2.34	15.00	2RDR
(3)	1.0386000	1.0000000	25168.000	0.01	3.86	15.00	2RDR
(4)	1.0244000	1.0000000	16232.000	0.01	2.44	15.00	2RDR
(5)	1.0577000	1.0000000	16054.000	0.01	5.77	15.00	2RDR
Average %D: 3.7000							
Aroclor-1260	1.0477000	1.0000000	25673.000	0.01	4.77	15.00	2RDR
(2)	1.0413000	1.0000000	25699.000	0.01	4.13	15.00	2RDR
(3)	1.0488000	1.0000000	51720.000	0.01	4.88	15.00	2RDR
(4)	1.0613000	1.0000000	27069.000	0.01	6.13	15.00	2RDR
(5)	1.0802000	1.0000000	15241.000	0.01	8.02	15.00	2RDR
Average %D: 5.5900							
Tetrachloro-m-xylene	2.e-002	2.e-002	1067000.0	0.01	0.00	15.00	2RDR
Decachlorobiphenyl	2.14e-002	2.e-002	855250.00	0.01	7.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2388

Instrument ID: GC06 Calibration Date: 08/20/04 Time: 2221

Lab File ID: 6UH4104 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0310000	1.0000000	54223.000	0.01	3.10	15.00	2RDR
(2)	1.0086000	1.0000000	24711.000	0.01	0.86	15.00	2RDR
(3)	1.0288000	1.0000000	80350.000	0.01	2.88	15.00	2RDR
(4)	1.0328000	1.0000000	37230.000	0.01	3.28	15.00	2RDR
(5)	1.0182000	1.0000000	29145.000	0.01	1.82	15.00	2RDR
Average %D: 2.3900							
Aroclor-1260	1.0425000	1.0000000	55622.000	0.01	4.25	15.00	2RDR
(2)	1.0501000	1.0000000	46294.000	0.01	5.01	15.00	2RDR
(3)	1.0579000	1.0000000	91014.000	0.01	5.79	15.00	2RDR
(4)	1.0787000	1.0000000	54922.000	0.01	7.87	15.00	2RDR
(5)	1.0891000	1.0000000	26065.000	0.01	8.91	15.00	2RDR
Average %D: 6.3700							
Tetrachloro-m-xylene	2.05e-002	2.e-002	2286800.0	0.01	2.50	15.00	2RDR
Decachlorobiphenyl	2.15e-002	2.e-002	1271000.0	0.01	7.50	15.00	2RDR

FORM VII PEST

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2ul

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
1-29-04	LAD	6UA3/4 174	WU0059-10 3510	N	Y	PCB A/B023A.m	246/245	
		175	AR1660 1.0PPM P2753	N	Y			1016, 1260 TCX A OK
		176	1242 P2693	N	Y			↑B AOK
		177	1248 P2726	N	Y			↑B AOK
		178	1254 P2715	N	Y			
Changed liner and clipped column replaced septa								
1-29-04	LAD	6UA3/4 179	AR1660 1.0PPM P2753	—	—	PCB A/B023A.m	246/245	
		180	hex	—	—			
		181		—	—			
		182		—	—			
		183	AR1660 1.0PPM P2753	Y	Y			1016, TCX↑B
		184	AR1242 1.0PPM P2693	N	Y			B↑
		185	AR1248 P2726	N	Y			
		186	AR1254 P2715	N	Y			
		187	WG5516-3 3545	N				
		188	-4	N				
		189	-5					
		190	-6					
		191	AR1660 1.0PPM P2753	N	Y			B↑
		192	1242 P2693	N	Y			
		193	1248 P2726	N	Y			
		194	1254 P2715	N	Y			
1-30-04		195	WO0043-1 3545	N				48, 54, 60 ?
		196	-2					
		197	-3					62?
		198	-4					
		199	AR1262 1.0PPM P2741					
		200	AR1268 1.0PPM P2743					
		201	hexane					
		202	hexane					
		203	AR1660 1.0PPM P2753			PCB A/B 024A.m		
		204	0.05 P2707					

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2ul

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
1-30-04	LAD	LWA3/4205	AR1660 0.10 ppm P2704	N	Y	PCB8/8024A-M	246/245	
		206	0.25 P2705					
		207	2.5 P2703					
		208	10 P2702					
		209	AR1016 1.0ppm P2644					
		210	AR1260 1.0ppm P2645					
		211	AR1242 1.0ppm P2697	Y				
		212	0.05 P2696					
		213	0.10 P2695					
		214	0.25 P2694					
		215	2.5 P2692					
		216	10 P2673	N				
		217	AR1248 1.0ppm P2734	N				
		218	0.05 P2739	Y				
1-31-04		219	0.10 P2738	Y				
		220	0.25 P2737	Y				
		221	2.5 P2735	N				
		222	10 P2734					
		223	AR1254 1.0ppm P2769					
		224	0.05 P2718	Y				
		225	0.10 P2717	Y				
		226	0.25 P2716	N				
		227	2.5 P2714					
		228	10 P2680					
		229	AR1221 1.0ppm P2756	Y				
		230	1232 P2759	Y				
		231	1262 P2741	N				
		232	1268 P2743					
		233	1254II P2547		Y			for pattern recog. only
		234	WG5647-1 3545	N	Y			
		235	-2					
		236	-3					

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2ul

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
8/5/04	SPW	16UH1263	AR 1248 1.0ppm P2865	N	Y	PCB A/B 0248	240/245	
↓	↓	64	1254 P2893	↓	↓	↓	↓	
↓	↓	65	1660 P2890	↓	↓	↓	↓	A- TCX↑ B-TCX+DCB↑
08-06-04		66	Prime	N	N			
		67	AR1660 1.0PPM P2890		Y			TCX, DCB↑ B
		68	AR 1242 P2895					
		69	AR 1248 P2865					
		70	AR1254 ↓ P2893	↓	↓			A↓
		71	WU2388-4 3545	Y	Y			TCX ↑ A+B
		72	-5	N				
		73	-6	Y				
		74	-11	↓				
		75	-13	N				
		76	-16	Y				DCB ↓ A
		77	-17	N	↓			TCX ↑ B
		78	-3	Y	N			Rerun 1:5
		79	-7	N	Y			
		80	-8					DCB ↓ A+B
		81	-9					
		82	-10					TCX ↑ A+B
		83	-12					
		84	-14		↓			
		85	↓ -15		N			Rerun 1:20
		86	WU2358-9 RE	↓	↓			Rerun 1:20
		87	WU2376-1 ↓	Y	Y			DCB ↓ A+B
		88	AR1660 1.0PPM P2890	N				DCB↑ B TCX ↑ A+B
		89	AR 1242 P2895					
		90	AR 1248 P2865					
		91	AR1254 ↓ P2893					
		92	WG9033-1 3545					TCX ↑ A+B
		93	-2					TCX ↑ A+B
		94	↓ -3	↓	↓	↓	↓	TCX ↑ B

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2uL

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
08.06.04	SMW	1eUH12095	WG9033-4 3545	N	Y	PCBA/B024B	246/245	
		96	↓ -5					TCX↑B
		97	WU2388-3DL					1:5 50/250uL
		98	AR1242 1.0PPM P2895 ~~P2890~~					
		99	AR1248 P2865 ~~P2865~~					
		100	AR1254 P2893 ~~P2865~~					
		101	AR1660 P2890					DCB↑B TCX↑A+B
08.09.04		102	Prime	N	N			
		103	AR1660 1.0PPM P2890		Y			
		104	AR1242 P2895					
		105	AR1248 P2865					
		106	AR1254 P2893					A↓
		107	WU2388-15DL 3545	Y	Y			1:20 50uL/1mL
		108	WU2358-9REDL					1:20
		109	Hexane	N	N			
		110	GC0140		Y			
		111	WG8938-1 3540					
		112	↓ -2					
		113	WU2316-2	Y				
		114	-3					
		115	↓ -4					
		116	WG8938-3					
		117	↓ -4					
		118	AR1660 1.0PPM P2890	N	Y			TCX, DCB↑B
		119	AR1242 P2895					
		120	AR1248 P2865					
		121	AR1254 P2893					
08.10.04		122	Prime	N	N			
		123	AR1660 1.0PPM P2890		Y			
		124	AR1242 P2895					
		125	AR1248 P2865					
		126	AR1254 P2893					A↓

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2 uL

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
8-19-04	SDW	6UH3/4050	AR1660 1.0PPM P2890	N	Y	PCB A/B025A	246/245	
		51	0.05 P2909	Y				
		52	0.10 P2908	N				
		53	0.25 P2907	Y				
		54	2.5 P2906	N				
		55	10 P2868	Y				
		56	AR1016 1.0 PPM P2911	N	Y			
		57	AR1260 P2805					
		58	AR1242 1.0PPM P2895	Y	Y			
		59	0.05 P2830	N				
		60	0.10 P2829					
		61	0.25 P2828	Y				
		62	2.5 P2827					
		63	10 P2826					
		64	AR1248 1.0 PPM P2865	N	Y			
		65	0.05 P2915					
		66	0.10 P2914					
		67	0.25 P2913	Y				
		68	2.5 P2912	N				
		69	10 P2864					
		70	AR1254 1.0 PPM P2893		Y			
		71	0.05 P2835	Y				
		72	0.10 P2834	N				
		73	0.25 P2833	Y				
		74	2.5 P2832	N				
		75	10 P2831	Y				
		76	AR1221 1.0PPM P2916		Y			
8-20-04		77	AR1232 P2917	N				
		78	AR1262 P2847					
		79	AR1268 P2849					
		80	AR1254 II P2547					pattern recog. only
		81	Prime	N	N			

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2ul

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID		MI	Y/N	Method	Column	Comments
		7pw 8-23-04							
08-20-04	SDW	16UH 1k3/4082	AR1660 1.0 PPM	P2890	N	Y	PCBA/B025A	246/245	
		83	AR1242	P2895					
		84	AR1248	P2865					
		85	AR1254	P2893					
		86	GC0144						
		87	WG9093-2	3510		Y			
		88	-1						
		89	-3						
		90	WU2388-18						
		91	WG9259-1	3545		Y			
		92	-2						
		93	-3						
		94	WU2471-1						
		95	-2						
		96	-3						
		97	-4						
		98	-5						
		99	-6						
		100	-8		Y				TCX + DCB ↓ A + B
		101	WU2511-1		N				TCX + DCB ↓ A + B
		102	WU2513-1		Y				TCX + DCB ↓ A + B
		103	-2		N	Y			DCB ↓ A + B
		104	AR1660 1.0PPM	P2890		Y			
		105	AR1242	P2895					
		106	AR1248	P2865					
		107	AR1254	P2893					
08-21-04		108	WU2405-1	3545		Y			TCX ↓ A + B
		109	-2						TCX + DCB ↓ A + B
		110	WU2414-1		Y	Y			TCX ↓ A + B; DCB ↓ B
		111	WU2467-2		N	Y			DCB ↓ A + B
		112	-3						
		113	-4						DCB ↓ A + B

PCB ASE

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - SOIL PESTICIDE/PCB

Extraction Method: SW846 3550 (sonication)____ SW846 3540 (soxhlet)____ SW846 3545 (ase) ✓

Analytical Method: SW846 8081____ SW846 8082 ✓ CLP OLM03.1____ CLP OLM04.2____

Date QC Started: 8.05-04 QC Expiration Date: 8.18.04 QC Batch ID____

Surrogate ID: GC 0136 Spike ID: PCB ; GC 0140 Spike ID:____

Solvent Lot # Hexane ; A02 E41 Solvent Lot #____

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8.05-04	NB	WG9033 -1	15g	0.5 ml	NR		✓	5ml	8.06.04	PD577 C7	NB			✓		
↓	↓	-2	↓	↓	0.5 ml		✓	↓	↓	C8	↓			↓		
		-3			↓		✓			C9						
		-4					✓			C10						MS NU2388-4
↓	↓	-5	↓	↓	↓		✓	↓	↓	C11	↓			↓		MSD ↓

PCB - ASE

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8-5-04	NB	WU2358-9	15g	0.5 mL	A/R		✓	5 mL	8.06.04	PP577 C12	NB			✓		(RE)
		WU2376-1								D1				✓		
		WU2388-3								D2				✓		
		-4								D3				✓		
		-5								D4				✓		
		-6								D5				✓		
		-7								D6				✓		
		-8								D7				✓		
		-9								D8				✓		
		-10								D9				✓		
		-11								D10				✓		
		-12								D11				✓		
		-13								D12				✓		
		-14								~~D13~~ NB				✓		PP577 E1
		-15								E2				✓		
		-16								E3				✓		
		-17								E4				✓		
		-1														

B / PESTICIDE

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - AQUEOUS PESTICIDE/PCB

Extraction Method: SW846 3520 (CLLE)____ SW846 3510 (SEP) ✓ SW846 3535 (SPE)____

Analytical Method: SW846 8081 ✓ SW846 8082____ EPA 608 ✓ CLP OLM03.1____ CLP OLM04.2____ CLP OLC2.1____

Date QC Started: 8.02.04 QC Expiration Date: 8.16.04

Surrogate ID: QC 0136 Spike ID: PEST: GC 0077 Spike ID: PCB: GC0140

Pest: GC0088

Solvent Lot # $MeCl_2$; A18E10 Solvent Lot # Hexane ;

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol. mL	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8.02.04	NB	NG 8944 -1	1000 mL	1.0 mL	NR	✓		10mL	8.5.04	PP577 B12	MC					EG08 R22925
↓	↓	↓ -2	↓	↓	1.0 mL	✓		↓	↓	C1	↓					↓
↓	↓	↓ -3	↓	↓	↓	✓		↓	↓	C2	↓					↓
8.9.04	JFC	WG9093 -2 WG9094 -1	1000mL	1.0mL	NR	✓	✓	10mL	8.20.04	PP579 D9	AB					
↓	↓	WG9093 -1	↓	↓	1.0mL		✓	↓	↓	D10	↓					R22927
		↓ -3			↓		✓			D11						
↓	↓	WG9094 -2				✓										R22928 Rest Spike GC0088
		↓ -3				✓										↓
																JP 08.20.04

Katahdin Analytical Services 3000090

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol. mL	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8.02.04	NB	WU2314-1	1060 mL	1.0 mL	NR	✓		10mL	8-5-04	C3	ML			✓	mL 8-5-04	8 608
		-2	1040 mL			✓				C4						
		WU2322-1	1030 mL			✓				C5						
		-2	1020 mL			✓				C6						
8.9.04	JFC	WU2388-18	250mL	1.0mL	NR		✓	10mL	8.23.04	PP579 D12	AB					plastic bottle preserved w/ HNO_3
		WU2396-1	1040mL			✓	✓									
		-2	1030mL			✓	✓									
		WU2343-18	1000mL	1.0mL	NR	✓										
		-19				✓										
		-20					✓									
		-21					✓									
		-23				✓										

JP 08.20.04

Reviewed By_____ Date_____

Katahdin Analytical Services 3000091

0000094

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 7, 2004**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS + TIN**
NAS KEY WEST – CTO 349
SAMPLE DELIVERY GROUP (SDG) – WU2388

SAMPLES: 17/SOIL/

C03V-05N-06-0804	C03V-05S-06-0804	C03V-10F-0804
C03V-10S-06-0804	C03V-10S-12-0804	C03V-10S-24-0804
C03V-10W-06-0804	C03V-10W-12-0804	C03V-10W-24-0804
C03V-11E-06-0804	C03V-11E-12-0804	C03V-11E-24-0804
C03V-11F-0804	C03V-11S-06-0804	C03V-11S-12-0804
C03V-11S-24-0804	C03V-DUP03-0804	

1/AQUEOUS/

KWFB080404

Overview

The sample set for NAS Key West, CTO 349, SDG WU2388, consists of seventeen (17) soil environmental samples and one (1) aqueous field blank. One (1) field duplicate pair (C03V-DUP03-0804 / C03V-11S-12-0804) is included in this SDG.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by Tetra Tech NUS on August 4, 2004 and analyzed by Katahdin Analytical Services. Metals analyses except mercury were conducted using SW846 method 6010B. Soil mercury analyses were conducted using SW846 method 7471A. Aqueous mercury analyses were conducted using SW846 method 7470A.

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

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
• Laboratory Blank Analyses
* • Field Duplicate Analyses
* • Detection Limits

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	58.77 ug/L	29.39 mg/kg
Barium	0.28 ug/L	0.14 mg/kg
Beryllium	0.56 ug/L	0.28 mg/kg
Cadmium	0.42 ug/L	0.21 mg/kg
Calcium	91.97 ug/L	45.99 mg/kg
Chromium(1)	0.128 mg/kg	0.64 mg/kg
Cobalt	0.64 ug/L	0.32 mg/kg
Copper	1.88 ug/L	0.94 mg/kg
Iron	23.42 ug/L	11.71 mg/kg
Magnesium	69.66 ug/L	34.83 mg/kg
Manganese(1)	0.036 mg/kg	0.18 mg/kg
Potassium(1)	90.329 mg/kg	451.65 mg/kg
Silver	1.04 ug/L	0.52 mg/kg
Sodium(1)	1.974 mg/kg	9.87 mg/kg
Thallium	5.72 ug/L	2.86 mg/kg
Tin(1)	0.824 mg/kg	4.12 mg/kg
Vanadium(1)	0.076 mg/kg	0.38 mg/kg
Zinc(1)	0.244 mg/kg	1.22 mg/kg

(1) Maximum concentration present in laboratory preparation blank.

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

Notes

The laboratory inadvertently submitted this SDG without metals results for sample KWFB080404. The results for this sample will be sent as an addendum to this report.

Dilutions were performed for calcium in all samples due to the concentrations of calcium above the linear range of the instrument.

A dilution was performed for lead in sample C03V-05S-06-0804 due to the concentration of lead above the linear range of the instrument.

Executive Summary

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

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", 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: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-05N-06-0804	nsample	C03V-05S-06-0804	nsample	C03V-10F-0804
samp_date	8/4/2004	samp_date	8/4/2004	samp_date	8/4/2004
lab_id	WU2388-001	lab_id	WU2388-002	lab_id	WU2388-015
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	92.7	Pct_Solids	93.0	Pct_Solids	88.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	263		
ANTIMONY	2.2		
ARSENIC	17.5		
BARIUM	44.6		
BERYLLIUM	0.02	U	
CADMIUM	0.77		
CALCIUM	342000		
CHROMIUM	10.2		
COBALT	0.68		
COPPER	48.6		
IRON	7730		
LEAD	176		
MAGNESIUM	980		
MANGANESE	38.8		
MERCURY	0.09		
NICKEL	5.5		
POTASSIUM	87.4	U	A
SELENIUM	0.37	U	
SILVER	0.07	U	
SODIUM	1280		
THALLIUM	0.57	U	A
TIN	5.7		
VANADIUM	2.8		
ZINC	125		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	189		
ANTIMONY	7.3		
ARSENIC	1.3		
BARIUM	15.1		
BERYLLIUM	0.03	U	A
CADMIUM	0.87		
CALCIUM	363000		
CHROMIUM	17		
COBALT	0.33		
COPPER	34.5		
IRON	2760		
LEAD	988		
MAGNESIUM	1200		
MANGANESE	20.2		
MERCURY	0.05		
NICKEL	2.4		
POTASSIUM	75.7	U	A
SELENIUM	0.32	U	
SILVER	0.09	U	A
SODIUM	1310		
THALLIUM	0.73	U	A
TIN	3.2	U	A
VANADIUM	2.4		
ZINC	91.2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	364		
ANTIMONY	2.8		
ARSENIC	0.84		
BARIUM	25.1		
BERYLLIUM	0.06	U	A
CADMIUM	0.6		
CALCIUM	339000		
CHROMIUM	17.8		
COBALT	0.51		
COPPER	43.6		
IRON	2920		
LEAD	578		
MAGNESIUM	1850		
MANGANESE	20.1		
MERCURY	0.05		
NICKEL	2.3		
POTASSIUM	33.4	U	A
SELENIUM	0.36	U	
SILVER	0.07	U	
SODIUM	696		
THALLIUM	0.4	U	
TIN	2.6	U	A
VANADIUM	2.8		
ZINC	140		

PROJ_NO: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-10S-06-0804	nsample	C03V-10S-12-0804	nsample	C03V-10S-24-0804
samp_date	8/4/2004	samp_date	8/4/2004	samp_date	8/4/2004
lab_id	WU2388-003	lab_id	WU2388-004	lab_id	WU2388-005
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	84.6	Pct_Solids	79.6	Pct_$olids	91.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	678		
ANTIMONY	0.62		
ARSENIC	1.1		
BARIUM	9		
BERYLLIUM	0.06	U	A
CADMIUM	0.21	U	A
CALCIUM	239000		
CHROMIUM	6		
COBALT	0.32	U	A
COPPER	7.6		
IRON	910		
LEAD	94.3		
MAGNESIUM	1800		
MANGANESE	22.7		
MERCURY	0.02		
NICKEL	1.6		
POTASSIUM	119	U	A
SELENIUM	0.38	U	
SILVER	0.07	U	
SODIUM	368		
THALLIUM	0.46	U	A
TIN	1.9	U	A
VANADIUM	5.2		
ZINC	22.3		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	895		
ANTIMONY	0.36		
ARSENIC	1.1		
BARIUM	9.5		
BERYLLIUM	0.08	U	A
CADMIUM	0.25	U	A
CALCIUM	278000		
CHROMIUM	7		
COBALT	0.31	U	A
COPPER	5.4		
IRON	818		
LEAD	68.5		
MAGNESIUM	2310		
MANGANESE	29.4		
MERCURY	0.01		
NICKEL	1.4		
POTASSIUM	153	U	A
SELENIUM	0.46	U	
SILVER	0.09	U	
SODIUM	430		
THALLIUM	0.73	U	A
TIN	2.2	U	A
VANADIUM	6.6		
ZINC	41.1		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	555		
ANTIMONY	0.77		
ARSENIC	0.75		
BARIUM	8.1		
BERYLLIUM	0.07	U	A
CADMIUM	0.17	U	A
CALCIUM	289000		
CHROMIUM	5.2		
COBALT	0.23	U	A
COPPER	4.7		
IRON	664		
LEAD	52.5		
MAGNESIUM	1560		
MANGANESE	18		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	58.9	U	A
SELENIUM	0.39	U	
SILVER	0.07	U	
SODIUM	706		
THALLIUM	0.43	U	
TIN	1.7	U	A
VANADIUM	3.9		
ZINC	23.6		

PROJ_NO: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-10W-06-0804
samp_date	8/4/2004
lab_id	WU2388-006
qc_type	NM
units	MG/KG
Pct_Solids	86.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	738		
ANTIMONY	1.4		
ARSENIC	0.94		
BARIUM	9.8		
BERYLLIUM	0.12	U	A
CADMIUM	0.26		
CALCIUM	243000		
CHROMIUM	7.5		
COBALT	0.44		
COPPER	4.2		
IRON	831		
LEAD	144		
MAGNESIUM	2060		
MANGANESE	30.4		
MERCURY	0.01	U	
NICKEL	1.3		
POTASSIUM	154	U	A
SELENIUM	0.41	U	
SILVER	0.08	U	
SODIUM	299		
THALLIUM	0.99	U	A
TIN	1.5	U	A
VANADIUM	5.4		
ZINC	21.8		

nsample	C03V-10W-12-0804
samp_date	8/4/2004
lab_id	WU2388-007
qc_type	NM
units	MG/KG
Pct_Solids	80.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	708		
ANTIMONY	0.26		
ARSENIC	0.71		
BARIUM	7.8		
BERYLLIUM	0.08	U	A
CADMIUM	0.11	U	A
CALCIUM	232000		
CHROMIUM	5.5		
COBALT	0.22	U	A
COPPER	2.2		
IRON	646		
LEAD	28.9		
MAGNESIUM	1900		
MANGANESE	23.1		
MERCURY	0.01	U	
NICKEL	1		
POTASSIUM	62.9	U	A
SELENIUM	0.42	U	
SILVER	0.08	U	
SODIUM	253		
THALLIUM	0.46	U	
TIN	1.5	U	A
VANADIUM	5		
ZINC	9.2		

nsample	C03V-10W-24-0804
samp_date	8/4/2004
lab_id	WU2388-008
qc_type	NM
units	MG/KG
Pct_Solids	81.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	665		
ANTIMONY	0.41		
ARSENIC	0.73		
BARIUM	7.4		
BERYLLIUM	0.08	U	A
CADMIUM	0.09	U	A
CALCIUM	262000		
CHROMIUM	5		
COBALT	0.21	U	A
COPPER	2.2		
IRON	532		
LEAD	28.6		
MAGNESIUM	1810		
MANGANESE	20.6		
MERCURY	0.01	U	
NICKEL	0.98		
POTASSIUM	25.08	U	
SELENIUM	0.39	U	
SILVER	0.07	U	
SODIUM	497		
THALLIUM	0.43	U	
TIN	1.6	U	A
VANADIUM	4.5		
ZINC	7.3		

PROJ_NO: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-11E-06-0804	nsample	C03V-11E-12-0804	nsample	C03V-11E-24-0804
samp_date	8/4/2004	samp_date	8/4/2004	samp_date	8/4/2004
lab_id	WU2388-012	lab_id	WU2388-013	lab_id	WU2388-014
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	92.9	Pct_Solids	75.9	Pct_Solids	73.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	787		
ANTIMONY	0.3		
ARSENIC	0.72		
BARIUM	6.9		
BERYLLIUM	0.1	U	A
CADMIUM	0.1	U	A
CALCIUM	225000		
CHROMIUM	6.8		
COBALT	0.23	U	A
COPPER	2		
IRON	614		
LEAD	7.7		
MAGNESIUM	1880		
MANGANESE	24		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	114	U	A
SELENIUM	0.37	U	
SILVER	0.07	U	
SODIUM	234		
THALLIUM	0.41	U	
TIN	1.5	U	A
VANADIUM	5.4		
ZINC	3.8		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	756		
ANTIMONY	0.2	U	
ARSENIC	0.99		
BARIUM	6.5		
BERYLLIUM	0.11	U	A
CADMIUM	0.07	U	A
CALCIUM	218000		
CHROMIUM	6.1		
COBALT	0.25	U	A
COPPER	1.3		
IRON	581		
LEAD	0.68		
MAGNESIUM	1780		
MANGANESE	22.6		
MERCURY	0.01	U	
NICKEL	1.2		
POTASSIUM	74.3	U	A
SELENIUM	0.32	U	
SILVER	0.06	U	
SODIUM	259		
THALLIUM	0.38	U	A
TIN	1.2	U	A
VANADIUM	5.4		
ZINC	1.2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	715		
ANTIMONY	0.22	U	
ARSENIC	0.68		
BARIUM	7		
BERYLLIUM	0.08	U	A
CADMIUM	0.1	U	A
CALCIUM	208000		
CHROMIUM	5.8		
COBALT	0.24	U	A
COPPER	1.8		
IRON	566		
LEAD	5.5		
MAGNESIUM	1700		
MANGANESE	21.5		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	125	U	A
SELENIUM	0.36	U	
SILVER	0.07	U	
SODIUM	278		
THALLIUM	0.39	U	
TIN	1.4	U	A
VANADIUM	5		
ZINC	4.4		

PROJ_NO: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-11F-0804	nsample	C03V-11S-06-0804	nsample	C03V-11S-12-0804
samp_date	8/4/2004	samp_date	8/4/2004	samp_date	8/4/2004
lab_id	WU2388-016	lab_id	WU2388-009	lab_id	WU2388-010
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	91.7	Pct_Solids	94.4	Pct_Solids	92.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	854		
ANTIMONY	0.32		
ARSENIC	1.3		
BARIUM	9.6		
BERYLLIUM	0.08	U	A
CADMIUM	0.18	U	A
CALCIUM	236000		
CHROMIUM	5.9		
COBALT	0.32		
COPPER	8.8		
IRON	1160		
LEAD	64.5		
MAGNESIUM	2430		
MANGANESE	25.2		
MERCURY	0.02		
NICKEL	1.4		
POTASSIUM	99.2	U	A
SELENIUM	0.36	U	
SILVER	0.07	U	
SODIUM	540		
THALLIUM	0.56	U	A
TIN	2.8	U	A
VANADIUM	5		
ZINC	26.2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	760		
ANTIMONY	0.49		
ARSENIC	0.85		
BARIUM	7.1		
BERYLLIUM	0.11	U	A
CADMIUM	0.12	U	A
CALCIUM	228000		
CHROMIUM	6		
COBALT	0.28	U	A
COPPER	1.9		
IRON	647		
LEAD	27.1		
MAGNESIUM	2150		
MANGANESE	24.5		
MERCURY	0.02		
NICKEL	1.2		
POTASSIUM	121	U	A
SELENIUM	0.39	U	
SILVER	0.07	U	
SODIUM	296		
THALLIUM	0.43	U	
TIN	1.5	U	A
VANADIUM	5.2		
ZINC	4.6		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	608		
ANTIMONY	0.25	U	
ARSENIC	0.62		
BARIUM	5.3		
BERYLLIUM	0.09	U	A
CADMIUM	0.09	U	A
CALCIUM	194000		
CHROMIUM	4.5		
COBALT	0.23	U	A
COPPER	1.9		
IRON	477		
LEAD	2.9		
MAGNESIUM	1580		
MANGANESE	19.7		
MERCURY	0.01	U	
NICKEL	0.93		
POTASSIUM	43.4	U	A
SELENIUM	0.39	U	
SILVER	0.07	U	
SODIUM	186		
THALLIUM	0.6	U	A
TIN	1.2	U	A
VANADIUM	4.3		
ZINC	1.6		

PROJ_NO: 0693

SDG: WU2388 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-11S-24-0804	nsample	C03V-DUP03-0804
samp_date	8/4/2004	samp_date	8/4/2004
lab_id	WU2388-011	lab_id	WU2388-017
qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG
Pct_Solids	90.4	Pct_Solids	92.4
DUP_OF:		DUP_OF:	C03V-11S-12-0804

Parameter	Result	Val Qual	Qual Code
ALUMINUM	697		
ANTIMONY	0.5		
ARSENIC	0.81		
BARIUM	8		
BERYLLIUM	0.07	U	A
CADMIUM	0.11	U	A
CALCIUM	250000		
CHROMIUM	5.9		
COBALT	0.22	U	A
COPPER	4.3		
IRON	640		
LEAD	30		
MAGNESIUM	2480		
MANGANESE	22.4		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	95.1	U	A
SELENIUM	0.37	U	
SILVER	3.9		
SODIUM	462		
THALLIUM	0.41	U	
TIN	1.5	U	A
VANADIUM	4.7		
ZINC	9.4		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	780		
ANTIMONY	0.28		
ARSENIC	0.79		
BARIUM	6.3		
BERYLLIUM	0.11	U	A
CADMIUM	0.08	U	A
CALCIUM	227000		
CHROMIUM	5.1		
COBALT	0.29	U	A
COPPER	1.2		
IRON	590		
LEAD	2.6		
MAGNESIUM	1900		
MANGANESE	23.8		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	79.8	U	A
SELENIUM	0.38	U	
SILVER	0.07	U	
SODIUM	223		
THALLIUM	0.42	U	
TIN	1.6	U	A
VANADIUM	5.2		
ZINC	1.5		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-05N-06-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 92.7 **Lab Sample ID:** WU2388-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	263		NE	P	1	30	1.83
7440-36-0	ANTIMONY, TOTAL	2.2			P	1	0.80	0.23
7440-38-2	ARSENIC, TOTAL	17.5			P	1	0.80	0.30
7440-39-3	BARIUM, TOTAL	44.6			P	1	0.50	0.02
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.50	0.02
7440-43-9	CADMIUM, TOTAL	0.77	B		P	1	1.0	0.03
7440-70-2	CALCIUM, TOTAL	342000			P	10	50	3.12
7440-47-3	CHROMIUM, TOTAL	10.2			P	1	1.5	0.08
7440-48-4	COBALT, TOTAL	0.68	B		P	1	3.0	0.06
7440-50-8	COPPER, TOTAL	48.6		E	P	1	2.5	0.09
7439-89-6	IRON, TOTAL	7730			P	1	10	1.07
7439-92-1	LEAD, TOTAL	176		N*	P	1	0.50	0.17
7439-95-4	MAGNESIUM, TOTAL	980		N	P	1	5.0	0.75
7439-96-5	MANGANESE, TOTAL	38.8			P	1	0.50	0.01
7439-97-6	MERCURY, TOTAL	0.09			CV	1	0.023	0.01
7440-02-0	NICKEL, TOTAL	5.5			P	1	4.0	0.08
7440-09-7	POTASSIUM, TOTAL	87.4	B		P	1	100	23.76
7782-49-2	SELENIUM, TOTAL	0.37	U		P	1	1.0	0.37
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.5	0.07
7440-23-5	SODIUM, TOTAL	1280			P	1	100	1.91
7440-28-0	THALLIUM, TOTAL	0.57	B		P	1	1.5	0.41
7440-31-5	TIN, TOTAL	5.7	B		P	1	10	0.18
7440-62-2	VANADIUM, TOTAL	2.8			P	1	2.5	0.07
7440-66-6	ZINC, TOTAL	125		N*	P	1	2.5	0.02

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-05S-06-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 93.0 **Lab Sample ID:** WU2388-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	189		NE	P	1	26	1.60
7440-36-0	ANTIMONY, TOTAL	7.3			P	1	0.70	0.20
7440-38-2	ARSENIC, TOTAL	1.3			P	1	0.70	0.26
7440-39-3	BARIUM, TOTAL	15.1			P	1	0.44	0.01
7440-41-7	BERYLLIUM, TOTAL	0.03	B		P	1	0.44	0.02
7440-43-9	CADMIUM, TOTAL	0.87			P	1	0.87	0.03
7440-70-2	CALCIUM, TOTAL	363000			P	10	44	2.74
7440-47-3	CHROMIUM, TOTAL	17.0			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.33	B		P	1	2.6	0.06
7440-50-8	COPPER, TOTAL	34.5		E	P	1	2.2	0.08
7439-89-6	IRON, TOTAL	2760			P	1	8.7	0.94
7439-92-1	LEAD, TOTAL	988		N*	P	10	4.4	1.49
7439-95-4	MAGNESIUM, TOTAL	1200		N	P	1	4.4	0.66
7439-96-5	MANGANESE, TOTAL	20.2			P	1	0.44	0.01
7439-97-6	MERCURY, TOTAL	0.05			CV	1	0.025	0.01
7440-02-0	NICKEL, TOTAL	2.4	B		P	1	3.5	0.07
7440-09-7	POTASSIUM, TOTAL	75.7	B		P	1	87	20.81
7782-49-2	SELENIUM, TOTAL	0.32	U		P	1	0.87	0.32
7440-22-4	SILVER, TOTAL	0.09	B		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	1310			P	1	87	1.67
7440-28-0	THALLIUM, TOTAL	0.73	B		P	1	1.3	0.36
7440-31-5	TIN, TOTAL	3.2	B		P	1	8.7	0.16
7440-62-2	VANADIUM, TOTAL	2.4			P	1	2.2	0.07
7440-66-6	ZINC, TOTAL	91.2		N*	P	1	2.2	0.02

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-10F-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 88.6 **Lab Sample ID:** WU2388-015

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	364		NE	P	1	29	1.78
7440-36-0	ANTIMONY, TOTAL	2.8			P	1	0.78	0.23
7440-38-2	ARSENIC, TOTAL	0.84			P	1	0.78	0.29
7440-39-3	BARIUM, TOTAL	25.1			P	1	0.49	0.02
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.49	0.02
7440-43-9	CADMIUM, TOTAL	0.60	B		P	1	0.97	0.03
7440-70-2	CALCIUM, TOTAL	339000			P	10	49	3.05
7440-47-3	CHROMIUM, TOTAL	17.8			P	1	1.4	0.08
7440-48-4	COBALT, TOTAL	0.51	B		P	1	2.9	0.06
7440-50-8	COPPER, TOTAL	43.6		E	P	1	2.4	0.08
7439-89-6	IRON, TOTAL	2920			P	1	9.7	1.04
7439-92-1	LEAD, TOTAL	578		N*	P	1	0.49	0.17
7439-95-4	MAGNESIUM, TOTAL	1850		N	P	1	4.9	0.73
7439-96-5	MANGANESE, TOTAL	20.1			P	1	0.49	0.01
7439-97-6	MERCURY, TOTAL	0.05			CV	1	0.024	0.01
7440-02-0	NICKEL, TOTAL	2.3	B		P	1	3.9	0.08
7440-09-7	POTASSIUM, TOTAL	33.4	B		P	1	97	23.17
7782-49-2	SELENIUM, TOTAL	0.36	U		P	1	0.97	0.36
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.4	0.07
7440-23-5	SODIUM, TOTAL	696			P	1	97	1.86
7440-28-0	THALLIUM, TOTAL	0.40	U		P	1	1.4	0.40
7440-31-5	TIN, TOTAL	2.6	B		P	1	9.7	0.17
7440-62-2	VANADIUM, TOTAL	2.8			P	1	2.4	0.07
7440-66-6	ZINC, TOTAL	140		N*	P	1	2.4	0.02

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-10S-06-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 84.6 **Lab Sample ID:** WU2388-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	678		NE	P	1	30	1.86
7440-36-0	ANTIMONY, TOTAL	0.62	B		P	1	0.81	0.24
7440-38-2	ARSENIC, TOTAL	1.1			P	1	0.81	0.31
7440-39-3	BARIUM, TOTAL	9.0			P	1	0.51	0.02
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.51	0.03
7440-43-9	CADMIUM, TOTAL	0.21	B		P	1	1.0	0.03
7440-70-2	CALCIUM, TOTAL	239000			P	10	51	3.19
7440-47-3	CHROMIUM, TOTAL	6.0			P	1	1.5	0.08
7440-48-4	COBALT, TOTAL	0.32	B		P	1	3.0	0.07
7440-50-8	COPPER, TOTAL	7.6		E	P	1	2.5	0.09
7439-89-6	IRON, TOTAL	910			P	1	10	1.09
7439-92-1	LEAD, TOTAL	94.3		N*	P	1	0.51	0.17
7439-95-4	MAGNESIUM, TOTAL	1800		N	P	1	5.1	0.77
7439-96-5	MANGANESE, TOTAL	22.7			P	1	0.51	0.01
7439-97-6	MERCURY, TOTAL	0.02	B		CV	1	0.030	0.01
7440-02-0	NICKEL, TOTAL	1.6	B		P	1	4.1	0.09
7440-09-7	POTASSIUM, TOTAL	119			P	1	100	24.24
7782-49-2	SELENIUM, TOTAL	0.38	U		P	1	1.0	0.38
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.5	0.07
7440-23-5	SODIUM, TOTAL	368			P	1	100	1.95
7440-28-0	THALLIUM, TOTAL	0.46	B		P	1	1.5	0.42
7440-31-5	TIN, TOTAL	1.9	B		P	1	10	0.18
7440-62-2	VANADIUM, TOTAL	5.2			P	1	2.5	0.08
7440-66-6	ZINC, TOTAL	22.3		N*	P	1	2.5	0.03

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-10S-12-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 79.6 **Lab Sample ID:** WU2388-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	895		NE	P	1	37	2.28
7440-36-0	ANTIMONY, TOTAL	0.36	B		P	1	1.0	0.29
7440-38-2	ARSENIC, TOTAL	1.1			P	1	1.0	0.38
7440-39-3	BARIUM, TOTAL	9.5			P	1	0.62	0.02
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.62	0.03
7440-43-9	CADMIUM, TOTAL	0.25	B		P	1	1.2	0.04
7440-70-2	CALCIUM, TOTAL	278000			P	10	62	3.90
7440-47-3	CHROMIUM, TOTAL	7.0			P	1	1.9	0.10
7440-48-4	COBALT, TOTAL	0.31	B		P	1	3.7	0.08
7440-50-8	COPPER, TOTAL	5.4		E	P	1	3.1	0.11
7439-89-6	IRON, TOTAL	818			P	1	12	1.33
7439-92-1	LEAD, TOTAL	68.5		N*	P	1	0.62	0.21
7439-95-4	MAGNESIUM, TOTAL	2310		N	P	1	6.2	0.94
7439-96-5	MANGANESE, TOTAL	29.4			P	1	0.62	0.02
7439-97-6	MERCURY, TOTAL	0.01	B		CV	1	0.034	0.01
7440-02-0	NICKEL, TOTAL	1.4	B		P	1	5.0	0.11
7440-09-7	POTASSIUM, TOTAL	153			P	1	120	29.62
7782-49-2	SELENIUM, TOTAL	0.46	U		P	1	1.2	0.46
7440-22-4	SILVER, TOTAL	0.09	U		P	1	1.9	0.09
7440-23-5	SODIUM, TOTAL	430			P	1	120	2.38
7440-28-0	THALLIUM, TOTAL	0.73	B		P	1	1.9	0.51
7440-31-5	TIN, TOTAL	2.2	B		P	1	12	0.22
7440-62-2	VANADIUM, TOTAL	6.6			P	1	3.1	0.09
7440-66-6	ZINC, TOTAL	41.1		N*	P	1	3.1	0.03

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-10S-24-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 91.0 **Lab Sample ID:** WU2388-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	555		NE	P	1	32	1.93
7440-36-0	ANTIMONY, TOTAL	0.77	B		P	1	0.84	0.25
7440-38-2	ARSENIC, TOTAL	0.75	B		P	1	0.84	0.32
7440-39-3	BARIUM, TOTAL	8.1			P	1	0.53	0.02
7440-41-7	BERYLLIUM, TOTAL	0.07	B		P	1	0.53	0.03
7440-43-9	CADMIUM, TOTAL	0.17	B		P	1	1.0	0.03
7440-70-2	CALCIUM, TOTAL	289000			P	10	53	3.31
7440-47-3	CHROMIUM, TOTAL	5.2			P	1	1.6	0.08
7440-48-4	COBALT, TOTAL	0.23	B		P	1	3.2	0.07
7440-50-8	COPPER, TOTAL	4.7		E	P	1	2.6	0.09
7439-89-6	IRON, TOTAL	664			P	1	10	1.13
7439-92-1	LEAD, TOTAL	52.5		N*	P	1	0.53	0.18
7439-95-4	MAGNESIUM, TOTAL	1560		N	P	1	5.3	0.79
7439-96-5	MANGANESE, TOTAL	18.0			P	1	0.53	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.028	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	4.2	0.09
7440-09-7	POTASSIUM, TOTAL	58.9	B		P	1	100	25.15
7782-49-2	SELENIUM, TOTAL	0.39	U		P	1	1.0	0.39
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.6	0.07
7440-23-5	SODIUM, TOTAL	706			P	1	100	2.02
7440-28-0	THALLIUM, TOTAL	0.43	U		P	1	1.6	0.43
7440-31-5	TIN, TOTAL	1.7	B		P	1	10	0.19
7440-62-2	VANADIUM, TOTAL	3.9			P	1	2.6	0.08
7440-66-6	ZINC, TOTAL	23.6		N*	P	1	2.6	0.03

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-10W-06-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 86.3 **Lab Sample ID:** WU2388-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	738		NE	P	1	33	2.02
7440-36-0	ANTIMONY, TOTAL	1.4			P	1	0.88	0.26
7440-38-2	ARSENIC, TOTAL	0.94			P	1	0.88	0.33
7440-39-3	BARIUM, TOTAL	9.8			P	1	0.55	0.02
7440-41-7	BERYLLIUM, TOTAL	0.12	B		P	1	0.55	0.03
7440-43-9	CADMIUM, TOTAL	0.26	B		P	1	1.1	0.03
7440-70-2	CALCIUM, TOTAL	243000			P	10	55	3.45
7440-47-3	CHROMIUM, TOTAL	7.5			P	1	1.6	0.09
7440-48-4	COBALT, TOTAL	0.44	B		P	1	3.3	0.07
7440-50-8	COPPER, TOTAL	4.2		E	P	1	2.8	0.09
7439-89-6	IRON, TOTAL	831			P	1	11	1.18
7439-92-1	LEAD, TOTAL	144		N*	P	1	0.55	0.19
7439-95-4	MAGNESIUM, TOTAL	2060		N	P	1	5.5	0.83
7439-96-5	MANGANESE, TOTAL	30.4			P	1	0.55	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.028	0.01
7440-02-0	NICKEL, TOTAL	1.3	B		P	1	4.4	0.09
7440-09-7	POTASSIUM, TOTAL	154			P	1	110	26.26
7782-49-2	SELENIUM, TOTAL	0.41	U		P	1	1.1	0.41
7440-22-4	SILVER, TOTAL	0.08	U		P	1	1.6	0.08
7440-23-5	SODIUM, TOTAL	299			P	1	110	2.11
7440-28-0	THALLIUM, TOTAL	0.99	B		P	1	1.6	0.45
7440-31-5	TIN, TOTAL	1.5	B		P	1	11	0.20
7440-62-2	VANADIUM, TOTAL	5.4			P	1	2.8	0.08
7440-66-6	ZINC, TOTAL	21.8		N*	P	1	2.8	0.03

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-10W-12-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 80.5 **Lab Sample ID:** WU2388-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	708		NE	P	1	34	2.05
7440-36-0	ANTIMONY, TOTAL	0.26	B		P	1	0.90	0.26
7440-38-2	ARSENIC, TOTAL	0.71	B		P	1	0.90	0.34
7440-39-3	BARIUM, TOTAL	7.8			P	1	0.56	0.02
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.56	0.03
7440-43-9	CADMIUM, TOTAL	0.11	B		P	1	1.1	0.03
7440-70-2	CALCIUM, TOTAL	232000			P	10	56	3.50
7440-47-3	CHROMIUM, TOTAL	5.5			P	1	1.7	0.09
7440-48-4	COBALT, TOTAL	0.22	B		P	1	3.4	0.07
7440-50-8	COPPER, TOTAL	2.2	B	E	P	1	2.8	0.10
7439-89-6	IRON, TOTAL	646			P	1	11	1.20
7439-92-1	LEAD, TOTAL	28.9		N*	P	1	0.56	0.19
7439-95-4	MAGNESIUM, TOTAL	1900		N	P	1	5.6	0.84
7439-96-5	MANGANESE, TOTAL	23.1			P	1	0.56	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.0	B		P	1	4.5	0.10
7440-09-7	POTASSIUM, TOTAL	62.9	B		P	1	110	26.63
7782-49-2	SELENIUM, TOTAL	0.42	U		P	1	1.1	0.42
7440-22-4	SILVER, TOTAL	0.08	U		P	1	1.7	0.08
7440-23-5	SODIUM, TOTAL	253			P	1	110	2.14
7440-28-0	THALLIUM, TOTAL	0.46	U		P	1	1.7	0.46
7440-31-5	TIN, TOTAL	1.5	B		P	1	11	0.20
7440-62-2	VANADIUM, TOTAL	5.0			P	1	2.8	0.08
7440-66-6	ZINC, TOTAL	9.2		N*	P	1	2.8	0.03

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-10W-24-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 81.1 **Lab Sample ID:** WU2388-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	665		NE	P	1	32	1.93
7440-36-0	ANTIMONY, TOTAL	0.41	B		P	1	0.84	0.25
7440-38-2	ARSENIC, TOTAL	0.73	B		P	1	0.84	0.32
7440-39-3	BARIUM, TOTAL	7.4			P	1	0.53	0.02
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.53	0.03
7440-43-9	CADMIUM, TOTAL	0.09	B		P	1	1.0	0.03
7440-70-2	CALCIUM, TOTAL	262000			P	10	53	3.30
7440-47-3	CHROMIUM, TOTAL	5.0			P	1	1.6	0.08
7440-48-4	COBALT, TOTAL	0.21	B		P	1	3.2	0.07
7440-50-8	COPPER, TOTAL	2.2	B	E	P	1	2.6	0.09
7439-89-6	IRON, TOTAL	532			P	1	10	1.13
7439-92-1	LEAD, TOTAL	28.6		N*	P	1	0.53	0.18
7439-95-4	MAGNESIUM, TOTAL	1810		N	P	1	5.3	0.79
7439-96-5	MANGANESE, TOTAL	20.6			P	1	0.53	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.031	0.01
7440-02-0	NICKEL, TOTAL	0.98	B		P	1	4.2	0.09
7440-09-7	POTASSIUM, TOTAL	25.08	U		P	1	100	25.08
7782-49-2	SELENIUM, TOTAL	0.39	U		P	1	1.0	0.39
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.6	0.07
7440-23-5	SODIUM, TOTAL	497			P	1	100	2.01
7440-28-0	THALLIUM, TOTAL	0.43	U		P	1	1.6	0.43
7440-31-5	TIN, TOTAL	1.6	B		P	1	10	0.19
7440-62-2	VANADIUM, TOTAL	4.5			P	1	2.6	0.08
7440-66-6	ZINC, TOTAL	7.3		N*	P	1	2.6	0.03

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-11E-06-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 92.9 **Lab Sample ID:** WU2388-012

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	787		NE	P	1	30	1.82
7440-36-0	ANTIMONY, TOTAL	0.30	B		P	1	0.80	0.23
7440-38-2	ARSENIC, TOTAL	0.72	B		P	1	0.80	0.30
7440-39-3	BARIUM, TOTAL	6.9			P	1	0.50	0.02
7440-41-7	BERYLLIUM, TOTAL	0.10	B		P	1	0.50	0.02
7440-43-9	CADMIUM, TOTAL	0.1	B		P	1	1.0	0.03
7440-70-2	CALCIUM, TOTAL	225000			P	10	50	3.12
7440-47-3	CHROMIUM, TOTAL	6.8			P	1	1.5	0.08
7440-48-4	COBALT, TOTAL	0.23	B		P	1	3.0	0.06
7440-50-8	COPPER, TOTAL	2.0	B	E	P	1	2.5	0.09
7439-89-6	IRON, TOTAL	614			P	1	10	1.07
7439-92-1	LEAD, TOTAL	7.7		N*	P	1	0.50	0.17
7439-95-4	MAGNESIUM, TOTAL	1880		N	P	1	5.0	0.75
7439-96-5	MANGANESE, TOTAL	24.0			P	1	0.50	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.024	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	4.0	0.08
7440-09-7	POTASSIUM, TOTAL	114			P	1	100	23.72
7782-49-2	SELENIUM, TOTAL	0.37	U		P	1	1.0	0.37
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.5	0.07
7440-23-5	SODIUM, TOTAL	234			P	1	100	1.90
7440-28-0	THALLIUM, TOTAL	0.41	U		P	1	1.5	0.41
7440-31-5	TIN, TOTAL	1.5	B		P	1	10	0.18
7440-62-2	VANADIUM, TOTAL	5.4			P	1	2.5	0.07
7440-66-6	ZINC, TOTAL	3.8		N*	P	1	2.5	0.02

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-11E-12-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 75.9 **Lab Sample ID:** WU2388-013

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	756		NE	P	1	26	1.58
7440-36-0	ANTIMONY, TOTAL	0.20	U		P	1	0.69	0.20
7440-38-2	ARSENIC, TOTAL	0.99			P	1	0.69	0.26
7440-39-3	BARIUM, TOTAL	6.5			P	1	0.43	0.01
7440-41-7	BERYLLIUM, TOTAL	0.11	B		P	1	0.43	0.02
7440-43-9	CADMIUM, TOTAL	0.07	B		P	1	0.86	0.03
7440-70-2	CALCIUM, TOTAL	218000			P	10	43	2.70
7440-47-3	CHROMIUM, TOTAL	6.1			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.25	B		P	1	2.6	0.06
7440-50-8	COPPER, TOTAL	1.3	B	E	P	1	2.2	0.07
7439-89-6	IRON, TOTAL	581			P	1	8.6	0.92
7439-92-1	LEAD, TOTAL	0.68		N*	P	1	0.43	0.15
7439-95-4	MAGNESIUM, TOTAL	1780		N	P	1	4.3	0.65
7439-96-5	MANGANESE, TOTAL	22.6			P	1	0.43	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.028	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	3.4	0.07
7440-09-7	POTASSIUM, TOTAL	74.3	B		P	1	86	20.49
7782-49-2	SELENIUM, TOTAL	0.32	U		P	1	0.86	0.32
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	259			P	1	86	1.64
7440-28-0	THALLIUM, TOTAL	0.38	B		P	1	1.3	0.35
7440-31-5	TIN, TOTAL	1.2	B		P	1	8.6	0.15
7440-62-2	VANADIUM, TOTAL	5.4			P	1	2.2	0.06
7440-66-6	ZINC, TOTAL	1.2	B	N*	P	1	2.2	0.02

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-11E-24-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 73.4 **Lab Sample ID:** WU2388-014

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	715		NE	P	1	29	1.75
7440-36-0	ANTIMONY, TOTAL	0.22	U		P	1	0.77	0.22
7440-38-2	ARSENIC, TOTAL	0.68	B		P	1	0.77	0.29
7440-39-3	BARIUM, TOTAL	7.0			P	1	0.48	0.02
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.48	0.02
7440-43-9	CADMIUM, TOTAL	0.1	B		P	1	0.96	0.03
7440-70-2	CALCIUM, TOTAL	208000			P	10	48	3.00
7440-47-3	CHROMIUM, TOTAL	5.8			P	1	1.4	0.08
7440-48-4	COBALT, TOTAL	0.24	B		P	1	2.9	0.06
7440-50-8	COPPER, TOTAL	1.8	B	E	P	1	2.4	0.08
7439-89-6	IRON, TOTAL	566			P	1	9.6	1.03
7439-92-1	LEAD, TOTAL	5.5		N*	P	1	0.48	0.16
7439-95-4	MAGNESIUM, TOTAL	1700		N	P	1	4.8	0.72
7439-96-5	MANGANESE, TOTAL	21.5			P	1	0.48	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.8	0.08
7440-09-7	POTASSIUM, TOTAL	125			P	1	96	22.82
7782-49-2	SELENIUM, TOTAL	0.36	U		P	1	0.96	0.36
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.4	0.07
7440-23-5	SODIUM, TOTAL	278			P	1	96	1.83
7440-28-0	THALLIUM, TOTAL	0.39	U		P	1	1.4	0.39
7440-31-5	TIN, TOTAL	1.4	B		P	1	9.6	0.17
7440-62-2	VANADIUM, TOTAL	5.0			P	1	2.4	0.07
7440-66-6	ZINC, TOTAL	4.4		N*	P	1	2.4	0.02

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-11F-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 91.7 **Lab Sample ID:** WU2388-016

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	854		NE	P	1	29	1.78
7440-36-0	ANTIMONY, TOTAL	0.32	B		P	1	0.78	0.23
7440-38-2	ARSENIC, TOTAL	1.3			P	1	0.78	0.29
7440-39-3	BARIUM, TOTAL	9.6			P	1	0.49	0.02
7440-41-7	BERYLLIUM, TOTAL	0.08	B		P	1	0.49	0.02
7440-43-9	CADMIUM, TOTAL	0.18	B		P	1	0.97	0.03
7440-70-2	CALCIUM, TOTAL	236000			P	10	49	3.05
7440-47-3	CHROMIUM, TOTAL	5.9			P	1	1.5	0.08
7440-48-4	COBALT, TOTAL	0.32	B		P	1	2.9	0.06
7440-50-8	COPPER, TOTAL	8.8		E	P	1	2.4	0.08
7439-89-6	IRON, TOTAL	1160			P	1	9.7	1.04
7439-92-1	LEAD, TOTAL	64.5		N*	P	1	0.49	0.17
7439-95-4	MAGNESIUM, TOTAL	2430		N	P	1	4.9	0.73
7439-96-5	MANGANESE, TOTAL	25.2			P	1	0.49	0.01
7439-97-6	MERCURY, TOTAL	0.02	B		CV	1	0.027	0.01
7440-02-0	NICKEL, TOTAL	1.4	B		P	1	3.9	0.08
7440-09-7	POTASSIUM, TOTAL	99.2			P	1	97	23.17
7782-49-2	SELENIUM, TOTAL	0.36	U		P	1	0.97	0.36
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.5	0.07
7440-23-5	SODIUM, TOTAL	540			P	1	97	1.86
7440-28-0	THALLIUM, TOTAL	0.56	B		P	1	1.5	0.40
7440-31-5	TIN, TOTAL	2.8	B		P	1	9.7	0.17
7440-62-2	VANADIUM, TOTAL	5.0			P	1	2.4	0.07
7440-66-6	ZINC, TOTAL	26.2		N*	P	1	2.4	0.02

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-11S-06-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 94.4 **Lab Sample ID:** WU2388-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	760		NE	P	1	32	1.94
7440-36-0	ANTIMONY, TOTAL	0.49	B		P	1	0.85	0.25
7440-38-2	ARSENIC, TOTAL	0.85	B		P	1	0.85	0.32
7440-39-3	BARIUM, TOTAL	7.1			P	1	0.53	0.02
7440-41-7	BERYLLIUM, TOTAL	0.11	B		P	1	0.53	0.03
7440-43-9	CADMIUM, TOTAL	0.12	B		P	1	1.0	0.03
7440-70-2	CALCIUM, TOTAL	228000			P	10	53	3.32
7440-47-3	CHROMIUM, TOTAL	6.0			P	1	1.6	0.08
7440-48-4	COBALT, TOTAL	0.28	B		P	1	3.2	0.07
7440-50-8	COPPER, TOTAL	1.9	B	E	P	1	2.6	0.09
7439-89-6	IRON, TOTAL	647			P	1	10	1.13
7439-92-1	LEAD, TOTAL	27.1		N*	P	1	0.53	0.18
7439-95-4	MAGNESIUM, TOTAL	2150		N	P	1	5.3	0.80
7439-96-5	MANGANESE, TOTAL	24.5			P	1	0.53	0.01
7439-97-6	MERCURY, TOTAL	0.02	B		CV	1	0.028	0.01
7440-02-0	NICKEL, TOTAL	1.2	B		P	1	4.2	0.09
7440-09-7	POTASSIUM, TOTAL	121			P	1	100	25.22
7782-49-2	SELENIUM, TOTAL	0.39	U		P	1	1.0	0.39
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.6	0.07
7440-23-5	SODIUM, TOTAL	296			P	1	100	2.02
7440-28-0	THALLIUM, TOTAL	0.43	U		P	1	1.6	0.43
7440-31-5	TIN, TOTAL	1.5	B		P	1	10	0.19
7440-62-2	VANADIUM, TOTAL	5.2			P	1	2.6	0.08
7440-66-6	ZINC, TOTAL	4.6		N*	P	1	2.6	0.03

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-11S-12-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 92.2 **Lab Sample ID:** WU2388-010

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	608		NE	P	1	32	1.93
7440-36-0	ANTIMONY, TOTAL	0.25	U		P	1	0.84	0.25
7440-38-2	ARSENIC, TOTAL	0.62	B		P	1	0.84	0.32
7440-39-3	BARIUM, TOTAL	5.3			P	1	0.53	0.02
7440-41-7	BERYLLIUM, TOTAL	0.09	B		P	1	0.53	0.03
7440-43-9	CADMIUM, TOTAL	0.09	B		P	1	1.0	0.03
7440-70-2	CALCIUM, TOTAL	194000			P	10	53	3.30
7440-47-3	CHROMIUM, TOTAL	4.5			P	1	1.6	0.08
7440-48-4	COBALT, TOTAL	0.23	B		P	1	3.2	0.07
7440-50-8	COPPER, TOTAL	1.9	B	E	P	1	2.6	0.09
7439-89-6	IRON, TOTAL	477			P	1	10	1.13
7439-92-1	LEAD, TOTAL	2.9		N*	P	1	0.53	0.18
7439-95-4	MAGNESIUM, TOTAL	1580		N	P	1	5.3	0.79
7439-96-5	MANGANESE, TOTAL	19.7			P	1	0.53	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.027	0.01
7440-02-0	NICKEL, TOTAL	0.93	B		P	1	4.2	0.09
7440-09-7	POTASSIUM, TOTAL	43.4	B		P	1	100	25.06
7782-49-2	SELENIUM, TOTAL	0.39	U		P	1	1.0	0.39
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.6	0.07
7440-23-5	SODIUM, TOTAL	186			P	1	100	2.01
7440-28-0	THALLIUM, TOTAL	0.60	B		P	1	1.6	0.43
7440-31-5	TIN, TOTAL	1.2	B		P	1	10	0.19
7440-62-2	VANADIUM, TOTAL	4.3			P	1	2.6	0.08
7440-66-6	ZINC, TOTAL	1.6	B	N*	P	1	2.6	0.03

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-11S-24-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 90.4 **Lab Sample ID:** WU2388-011

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	697		NE	P	1	30	1.84
7440-36-0	ANTIMONY, TOTAL	0.50	B		P	1	0.80	0.24
7440-38-2	ARSENIC, TOTAL	0.81			P	1	0.80	0.30
7440-39-3	BARIUM, TOTAL	8.0			P	1	0.50	0.02
7440-41-7	BERYLLIUM, TOTAL	0.07	B		P	1	0.50	0.03
7440-43-9	CADMIUM, TOTAL	0.11	B		P	1	1.0	0.03
7440-70-2	CALCIUM, TOTAL	250000			P	10	50	3.15
7440-47-3	CHROMIUM, TOTAL	5.9			P	1	1.5	0.08
7440-48-4	COBALT, TOTAL	0.22	B		P	1	3.0	0.06
7440-50-8	COPPER, TOTAL	4.3		E	P	1	2.5	0.09
7439-89-6	IRON, TOTAL	640			P	1	10	1.08
7439-92-1	LEAD, TOTAL	30.0		N*	P	1	0.50	0.17
7439-95-4	MAGNESIUM, TOTAL	2480		N	P	1	5.0	0.76
7439-96-5	MANGANESE, TOTAL	22.4			P	1	0.50	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.027	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	4.0	0.09
7440-09-7	POTASSIUM, TOTAL	95.1	B		P	1	100	23.92
7782-49-2	SELENIUM, TOTAL	0.37	U		P	1	1.0	0.37
7440-22-4	SILVER, TOTAL	3.9			P	1	1.5	0.07
7440-23-5	SODIUM, TOTAL	462			P	1	100	1.92
7440-28-0	THALLIUM, TOTAL	0.41	U		P	1	1.5	0.41
7440-31-5	TIN, TOTAL	1.5	B		P	1	10	0.18
7440-62-2	VANADIUM, TOTAL	4.7			P	1	2.5	0.08
7440-66-6	ZINC, TOTAL	9.4		N*	P	1	2.5	0.03

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-DUP03-0804

Matrix: SOIL **SDG Name:** WU2388

Percent Solids: 92.4 **Lab Sample ID:** WU2388-017

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	780		NE	P	1	31	1.89
7440-36-0	ANTIMONY, TOTAL	0.28	B		P	1	0.82	0.24
7440-38-2	ARSENIC, TOTAL	0.79	B		P	1	0.82	0.31
7440-39-3	BARIUM, TOTAL	6.3			P	1	0.52	0.02
7440-41-7	BERYLLIUM, TOTAL	0.11	B		P	1	0.52	0.03
7440-43-9	CADMIUM, TOTAL	0.08	B		P	1	1.0	0.03
7440-70-2	CALCIUM, TOTAL	227000			P	10	52	3.23
7440-47-3	CHROMIUM, TOTAL	5.1			P	1	1.5	0.08
7440-48-4	COBALT, TOTAL	0.29	B		P	1	3.1	0.07
7440-50-8	COPPER, TOTAL	1.2	B	E	P	1	2.6	0.09
7439-89-6	IRON, TOTAL	590			P	1	10	1.10
7439-92-1	LEAD, TOTAL	2.6		N*	P	1	0.52	0.18
7439-95-4	MAGNESIUM, TOTAL	1900		N	P	1	5.2	0.78
7439-96-5	MANGANESE, TOTAL	23.8			P	1	0.52	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.022	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	4.1	0.09
7440-09-7	POTASSIUM, TOTAL	79.8	B		P	1	100	24.53
7782-49-2	SELENIUM, TOTAL	0.38	U		P	1	1.0	0.38
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.5	0.07
7440-23-5	SODIUM, TOTAL	223			P	1	100	1.97
7440-28-0	THALLIUM, TOTAL	0.42	U		P	1	1.5	0.42
7440-31-5	TIN, TOTAL	1.6	B		P	1	10	0.18
7440-62-2	VANADIUM, TOTAL	5.2			P	1	2.6	0.08
7440-66-6	ZINC, TOTAL	1.5	B	N*	P	1	2.6	0.03

Comments:

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-1
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-05N-06-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

140 County Road No. 5
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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-2
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-05S-06-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Client: Amy Thomson
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Pittsburgh,PA 15220

Lab Sample ID: WU2388-15
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-10F-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	88. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
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Lab Sample ID: WU2388-3
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-10S-06-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	85. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Client: Amy Thomson
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661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-4
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-10S-12-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	80. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
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Pittsburgh,PA 15220

Lab Sample ID: WU2388-5
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-10S-24-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	91. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
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661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-6
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-10W-06-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	86. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
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Pittsburgh,PA 15220

Lab Sample ID: WU2388-7
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-10W-12-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	80 %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-8
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943·
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-10W-24-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	81. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
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Lab Sample ID: WU2388-12
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-11E-06-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-13
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-11E-12-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	76. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-14
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-11E-24-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	73. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-16
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-11F-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	92. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-9
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943·
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-11S-06-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-10
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-11S-12-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	92. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2388-11
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-11S-24-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	90. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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Client: Amy Thomson
Tetra Tech NUS, Inc.
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Pittsburgh,PA 15220

Lab Sample ID: WU2388-17
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2388

Sample Description	Matrix	Date Sampled	Date Received
C03V-DUP03-0804	SL	04-AUG-04	05-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	92. %	.1	CLP SOW 788	WG9038	06-AUG-04	JF	CLP SOW 788	05-AUG-04	JF	

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APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG WU2388

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-11E-12-0804	WU2388-013	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10F-0804	WU2388-015	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10S-06-0804	WU2388-003	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10S-12-0804	WU2388-004	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10S-24-0804	WU2388-005	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10W-06-0804	WU2388-006	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10W-12-0804	WU2388-007	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-05S-06-0804	WU2388-002	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11E-06-0804	WU2388-012	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11S-24-0804	WU2388-011	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11E-24-0804	WU2388-014	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11F-0804	WU2388-016	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11S-06-0804	WU2388-009	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-11S-12-0804	WU2388-010	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-DUP03-0804	WU2388-017	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-05N-06-0804	WU2388-001	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
HG	MG/KG	C03V-10W-24-0804	WU2388-008	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-11S-12-0804	WU2388-010	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-05N-06-0804	WU2388-001	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10S-24-0804	WU2388-005	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10S-24-0804	WU2388-005	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10W-06-0804	WU2388-006	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10W-06-0804	WU2388-006	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10W-12-0804	WU2388-007	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-DUP03-0804	WU2388-017	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11S-24-0804	WU2388-011	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10S-12-0804	WU2388-004	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-11S-12-0804	WU2388-010	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10S-06-0804	WU2388-003	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11S-06-0804	WU2388-009	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11S-06-0804	WU2388-009	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-11F-0804	WU2388-016	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11E-24-0804	WU2388-014	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-11E-12-0804	WU2388-013	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11E-06-0804	WU2388-012	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-11E-06-0804	WU2388-012	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10W-24-0804	WU2388-008	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10W-24-0804	WU2388-008	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-11S-24-0804	WU2388-011	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10S-06-0804	WU2388-003	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-10F-0804	WU2388-015	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-05S-06-0804	WU2388-002	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-05S-06-0804	WU2388-002	NM	08/04/2004	08/05/2004	08/05/2004	1	0	1
M	MG/KG	C03V-05N-06-0804	WU2388-001	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10W-12-0804	WU2388-007	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
M	MG/KG	C03V-10S-12-0804	WU2388-004	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-05S-06-0804	WU2388-2	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10W-12-0804	WU2388-7	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10W-06-0804	WU2388-6	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10S-24-0804	WU2388-5	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10S-12-0804	WU2388-4	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	C03V-10W-24-0804	WU2388-8	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10F-0804	WU2388-15	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11S-06-0804	WU2388-9	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-10S-06-0804	WU2388-3	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11E-06-0804	WU2388-12	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11E-12-0804	WU2388-13	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11F-0804	WU2388-16	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-05N-06-0804	WU2388-1	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11S-24-0804	WU2388-11	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11S-12-0804	WU2388-10	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-DUP03-0804	WU2388-17	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
TS	%	C03V-11E-24-0804	WU2388-14	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10S-12-0804	WU2388-4	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-11S-12-0804	WU2388-10	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10F-0804	WU2388-15DL	NM	08/04/2004	08/05/2004	08/09/2004	1	4	5
PCB	%	C03V-10S-06-0804	WU2388-3DL	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	KWFB080404	WU2388-18	NM	08/04/2004	08/09/2004	08/20/2004	5	11	16
PCB	%	C03V-11S-24-0804	WU2388-11	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-11S-06-0804	WU2388-9	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-11F-0804	WU2388-16	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-11E-24-0804	WU2388-14	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-11E-12-0804	WU2388-13	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-11E-06-0804	WU2388-12	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10W-24-0804	WU2388-8	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10W-12-0804	WU2388-7	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10W-06-0804	WU2388-6	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-10S-24-0804	WU2388-5	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	%	C03V-DUP03-0804	WU2388-17	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10F-0804	WU2388-15DL	NM	08/04/2004	08/05/2004	08/09/2004	1	4	5
PCB	UG/KG	C03V-11E-24-0804	WU2388-14	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-DUP03-0804	WU2388-17	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-11S-24-0804	WU2388-11	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-11S-12-0804	WU2388-10	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-11S-06-0804	WU2388-9	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-11F-0804	WU2388-16	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-11E-12-0804	WU2388-13	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-11E-06-0804	WU2388-12	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10W-24-0804	WU2388-8	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10W-12-0804	WU2388-7	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10W-06-0804	WU2388-6	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10S-24-0804	WU2388-5	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10S-06-0804	WU2388-3DL	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/KG	C03V-10S-12-0804	WU2388-4	NM	08/04/2004	08/05/2004	08/06/2004	1	1	2
PCB	UG/L	KWFB080404	WU2388-18	NM	08/04/2004	08/09/2004	08/20/2004	5	11	16

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Client	Contact	Phone #	Fax #
TETRA TECH NUS	CHUCK BRYAN	(305)360-1548	(803)642-8454

Address: 900 TRAIL RIDGE RD. City: AIKEN State: SC Zip Code: 29803

Purchase Order #: Proj. Name / No.: N0693 Katahdin Quote #:

Bill (if different than above): Address:

Sampler (Print / Sign): CHUCK BRYAN / [signature] Copies To:

LAB USE ONLY WORK ORDER #: WW2238

KATAHDIN PROJECT NUMBER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL METAL (Filt. ☐Y ☐N)	TCL PCB (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
	C03V-05N-06-0804	8.4.04/0920	SOIL	1	✓	✓								
	C03V-055-06-0804	8.4.04/0923	SOIL	1	✓	✓								
	C03V-105-06-0804	8.4.04/0935	SOIL	1	✓	✓								
	C03V-105-12-0804	8.4.04/0937	SOIL	1	✓	✓								
	C03V-105-24-0804	8.4.04/0940	SOIL	1	✓	✓								
	C03V-105-12-0804MS	8.4.04/0958	SOIL	1	✓	✓								
	C03V-105-12-0804MSD	8.4.04/1003	SOIL	1	✓	✓								
	C03V-10W-06-0804	8.4.04/1010	SOIL	1	✓	✓								
	C03V-10W-12-0804	8.4.04/1013	SOIL	1	✓	✓								
	C03V-10W-24-0804	8.4.04/1016	SOIL	1	✓	✓								
	C03V-11S-06-0804	8.4.04/1033	SOIL	1	✓	✓								
	C03V-11S-12-0804	8.4.04/1036	SOIL	1	✓	✓								
	C03V-11S-24-0804	8.4.04/1039	SOIL	1	✓	✓								
	C03V-11E-06-0804	8.4.04/1114	SOIL	1	✓	✓								
	C03V-11E-12-0804	8.4.04/1117	SOIL	1	✓	✓								
	C03V-11E-24-0804	8.4.04/1120	SOIL	1	✓	✓								

COMMENTS

4/8-HOUR TAT ON ALL SOIL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	8.4.04 1616	[signature] 8/5/04 1238			
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.

0000007

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

Client: TETRA TECH NUS
Contact: CHUCK BRYAN
Phone #: (305) 360-1548
Fax #: (803) 642-8454
Address: 900 TRAIL RIDGE ROAD
City: AIKEN
State: SC
Zip Code: 29803
Purchase Order #:
Proj. Name / No.: N0693
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY
WORK ORDER #: WM2388
KATAHDIN PROJECT NUMBER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL METALS (Filt. ☐Y ☐N)	TCL PCB (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
	C03V-10F-0804	8.4.04	SOIL	1	✓	✓								
	C03V-11F-0804	8.4.04	SOIL	1	✓	✓								
	C03V-DUP03-0804	8.4.04	SOIL	1	✓	✓								
	~~KWRB08040 4~~	~~8.4.04~~	~~AQ~~	~~1~~					N/A					
	KWFB08040 4	8.4.04	AQ	1	✓	✓								
		/												
		/												
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COMMENTS
48-HOUR TAT ON SOIL SAMPLES

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	8.4.04 1616	8/5/04 1238			
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, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WU 2388

PAGE: 1 OF 1

COOLER: 1 OF 1

CLIENT: Tetra Tech

PROJECT: CTO 351 NAS Key West

COC#
SDG#
DATE / TIME RECEIVED: 8/5/04 1238
DELIVERED BY: FedEx
RECEIVED BY: VS
LIMS ENTRY BY: DV
LIMS REVIEW BY / PM: ARC

	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)=	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y) or N?	☐	☒	☐	COOLER TEMP (°C)= 0.6 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): * - Sample "KWFB080404" has no test on COC. Bottle indicates Tal-Metals and TCL PCB.
- COC marked by AJC 8/5/04.
- Left message - KWFB080404 - only received 1 metals aliquot for this sample. KAS can grab PCBs from remainder of metals aliquot, but reporting limit will be elevated. RCT 8/10/04

(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.

000006

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2388

Sample Receipt

The following samples were received on August 5, 2004 and were logged in under Katahdin Analytical Services work order number WU2388 for a hardcopy due date of August 31, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2388-1	C03V-05N-06-0804
WU2388-2	C03V-05S-06-0804
WU2388-3	C03V-10S-06-0804
WU2388-4	C03V-10S-12-0804
WU2388-5	C03V-10S-24-0804
WU2388-6	C03V-10W-06-0804
WU2388-7	C03V-10W-12-0804
WU2388-8	C03V-10W-24-0804
WU2388-9	C03V-11S-06-0804
WU2388-10	C03V-11S-12-0804
WU2388-11	C03V-11S-24-0804
WU2388-12	C03V-11E-06-0804
WU2388-13	C03V-11E-12-0804
WU2388-14	C03V-11E-24-0804
WU2388-15	C03V-10F-0804
WU2388-16	C03V-11F-0804
WU2388-17	C03V-DUP03-0804
WU2388-18	KWFB080404

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 Analysis

The samples of Work Order WU2388 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, U.S. EPA, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation reports.

8082 Analysis

The laboratory control spike, WG9033-3, and the matrix spike duplicate, WG9033-5, had high recoveries for the extraction surrogate TCX on one channel, which were outside of the laboratory established acceptance limits. Since the recovery for TCX was within the acceptance limits on the second channel and DCB on both channels, the samples were not reanalyzed.

The method blank, WG9033-1, the laboratory control sample, WG9033-2, and samples WU2388-4, and 10 had high recoveries for the extraction surrogate TCX on both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for the other surrogate, DCB, were within the acceptance limits, the samples were not reanalyzed.

Sample WU2388-8 had low recoveries for the extraction surrogate DCB on both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for the other surrogate, TCX, were within the acceptance limits, the samples were not reanalyzed.

Sample WU2388-16 had a low recovery for the extraction surrogate DCB on the A channel, which was outside of the laboratory established acceptance limits. Since the recovery for the other surrogate, TCX, was within the acceptance limits, the sample was not reanalyzed.

The calibration verification standards (CV) (files 6UH2067, and 6UH2118) had high responses for TCX and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The CVs (files 6UH1088 and 6UH2088) had high responses for TCX on both channels and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%.

The closing CVs (files 6UH1101, and 6UH2101) had high responses for TCX on both channels and DCB on channel B, which resulted in %D's that were above the method acceptance limit of 15%.

Sample WU2388-4 was used for a matrix spike (MS) and matrix spike duplicate (MSD) sample, per client request. The recoveries for Aroclor 1260 were non-calculable (NC) due to the concentration in the native sample being higher than in the MS and MSD. This is likely due to a non-homogeneous sample.

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

Metals Analysis

The samples of Katahdin Work Order WU2388 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. WU2388-(1-17) were digested for ICP analysis on 08/05/04 (QC Batch UH05ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2388-4 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.0875 mg/L, corresponding to a dry-weight concentration of 8.75 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of Work Order WU2388 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2388-(1-17) were digested for mercury analysis on 08/05/04 (QC Batch UH05HGS1) in accordance with USEPA Method 7471A. Katahdin Sample No. WU2388-4 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin Work Order WU2388 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for aluminum (134.8%), magnesium (71.5%), and zinc (48.9%) in the matrix-spike aliquot of Katahdin Sample No. WU2388-4 are outside the laboratory's acceptance limits. The recoveries for lead (16.5%), magnesium (25.0%), and zinc (24.2%) in the matrix-spike duplicate aliquot of Katahdin Sample No. WU2388-4 are outside the laboratory's acceptance limits. The recoveries for all other elements in these matrix-spiked aliquots 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).

The matrix-spike duplicate analysis of Katahdin Sample No. WU2388-4 for lead (44.7% RPD) and zinc (24.4% RPD) exceed the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample No. WU2388-4 exceeds the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for copper (10.7% RPD).

Wet Chemistry Analysis

The samples of Katahdin Work Order WU2388 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

María Crouch
08.25.04
María Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WU2388 **SOW No.** SW846

Client Field ID	Lab Sample ID
C03V-05N-06-0804	WU2388-001
C03V-05S-06-0804	WU2388-002
C03V-10F-0804	WU2388-015
C03V-10S-06-0804	WU2388-003
C03V-10S-12-0804	WU2388-004
C03V-10S-12-0804	WU2388-004P
C03V-10S-12-0804	WU2388-004S
C03V-10S-24-0804	WU2388-005
C03V-10W-06-0804	WU2388-006
C03V-10W-12-0804	WU2388-007
C03V-10W-24-0804	WU2388-008
C03V-11E-06-0804	WU2388-012
C03V-11E-12-0804	WU2388-013
C03V-11E-24-0804	WU2388-014
C03V-11F-0804	WU2388-016
C03V-11S-06-0804	WU2388-009
C03V-11S-12-0804	WU2388-010
C03V-11S-24-0804	WU2388-011
C03V-DUP03-0804	WU2388-017

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: George Brewer Name: George Brewer

Date: 08/21/04 Title: Inorganic Dept. Mgr.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: ICV

File: AUH05A Aug 05, 2004 17:56

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18509.49	92.5
ANTIMONY	600.0	563.67	93.9
ARSENIC	600.0	579.18	96.5
BARIUM	500.0	481.80	96.4
BERYLLIUM	500.0	491.39	98.3
CADMIUM	1250.0	1196.34	95.7
CALCIUM	20000.0	19811.21	99.1
CHROMIUM	500.0	486.33	97.3
COBALT	500.0	469.83	94.0
COPPER	500.0	477.70	95.5
IRON	20000.0	19495.70	97.5
LEAD	550.0	522.31	95.0
MAGNESIUM	20000.0	20258.71	101.3
MANGANESE	500.0	485.07	97.0
NICKEL	1000.0	953.49	95.3
SELENIUM	550.0	518.66	94.3
SILVER	200.0	191.85	95.9
THALLIUM	600.0	577.92	96.3
TIN	500.0	469.14	93.8
VANADIUM	500.0	493.23	98.6
ZINC	1000.0	952.82	95.3

SAMPLE: CCV

File: AUH05A Aug 05, 2004 18:36

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48974.08	97.9
ANTIMONY	1000.0	1012.71	101.3
ARSENIC	1000.0	1018.69	101.9
BARIUM	1000.0	1000.99	100.1
BERYLLIUM	1000.0	1039.03	103.9
CADMIUM	1000.0	1025.46	102.5
CALCIUM	50000.0	51590.84	103.2
CHROMIUM	1000.0	1036.96	103.7
COBALT	1000.0	1019.66	102.0
COPPER	1000.0	1055.22	105.5
IRON	20000.0	20365.79	101.8
LEAD	1000.0	1027.69	102.8
MAGNESIUM	50000.0	51815.48	103.6
MANGANESE	1000.0	1037.12	103.7
NICKEL	1000.0	1025.77	102.6
SELENIUM	1000.0	1018.60	101.9
SILVER	250.0	253.46	101.4
THALLIUM	1000.0	1019.06	101.9
TIN	1000.0	1019.38	101.9
VANADIUM	1000.0	1027.47	102.7
ZINC	1000.0	1011.45	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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: AUH05A Aug 05, 2004 20:00

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49447.29	98.9
ANTIMONY	1000.0	999.14	99.9
ARSENIC	1000.0	1002.14	100.2
BARIUM	1000.0	1004.58	100.5
BERYLLIUM	1000.0	1048.79	104.9
CADMIUM	1000.0	1019.92	102.0
CALCIUM	50000.0	51545.38	103.1
CHROMIUM	1000.0	1033.72	103.4
COBALT	1000.0	1005.48	100.5
COPPER	1000.0	1049.71	105.0
IRON	20000.0	20211.58	101.1
LEAD	1000.0	1011.63	101.2
MAGNESIUM	50000.0	51893.49	103.8
MANGANESE	1000.0	1034.58	103.5
NICKEL	1000.0	1012.06	101.2
SELENIUM	1000.0	1003.71	100.4
SILVER	250.0	251.76	100.7
THALLIUM	1000.0	1000.14	100.0
TIN	1000.0	1003.50	100.4
VANADIUM	1000.0	1041.01	104.1
ZINC	1000.0	1005.39	100.5

SAMPLE: CCV

File: AUH05A Aug 05, 2004 21:20

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49530.60	99.1
ANTIMONY	1000.0	962.15	96.2
ARSENIC	1000.0	943.15	94.3
BARIUM	1000.0	1014.21	101.4
BERYLLIUM	1000.0	1041.66	104.2
CADMIUM	1000.0	985.77	98.6
CALCIUM	50000.0	49885.54	99.8
CHROMIUM	1000.0	1003.64	100.4
COBALT	1000.0	958.24	95.8
COPPER	1000.0	1037.14	103.7
IRON	20000.0	19492.93	97.5
LEAD	1000.0	955.27	95.5
MAGNESIUM	50000.0	50589.81	101.2
MANGANESE	1000.0	1007.37	100.7
NICKEL	1000.0	964.07	96.4
SELENIUM	1000.0	954.72	95.5
SILVER	250.0	246.74	98.7
THALLIUM	1000.0	963.18	96.3
TIN	1000.0	941.19	94.1
VANADIUM	1000.0	1040.51	104.1
ZINC	1000.0	977.07	97.7

(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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: AUH05A Aug 05, 2004 22:40

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49902.16	99.8
ANTIMONY	1000.0	971.27	97.1
ARSENIC	1000.0	967.48	96.7
BARIUM	1000.0	1021.86	102.2
BERYLLIUM	1000.0	1057.77	105.8
CADMIUM	1000.0	1003.82	100.4
CALCIUM	50000.0	50589.40	101.2
CHROMIUM	1000.0	1024.14	102.4
COBALT	1000.0	978.40	97.8
COPPER	1000.0	1045.35	104.5
IRON	20000.0	19827.04	99.1
LEAD	1000.0	972.20	97.2
MAGNESIUM	50000.0	51324.42	102.6
MANGANESE	1000.0	1025.60	102.6
NICKEL	1000.0	984.56	98.5
SELENIUM	1000.0	968.45	96.8
SILVER	250.0	249.05	99.6
THALLIUM	1000.0	981.17	98.1
TIN	1000.0	962.62	96.3
VANADIUM	1000.0	1058.27	105.8
ZINC	1000.0	987.76	98.8

(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:** WU2388

Concentration Units: ug/L

SAMPLE: ICV

File: AUH06A Aug 06, 2004 9:13

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18896.12	94.5
ANTIMONY	600.0	572.82	95.5
ARSENIC	600.0	583.85	97.3
BARIUM	500.0	493.20	98.6
BERYLLIUM	500.0	488.91	97.8
CADMIUM	1250.0	1224.21	97.9
CALCIUM	20000.0	20204.06	101.0
CHROMIUM	500.0	482.80	96.6
COBALT	500.0	478.03	95.6
COPPER	500.0	457.41	91.5
IRON	20000.0	19873.87	99.4
LEAD	550.0	529.16	96.2
MAGNESIUM	20000.0	20622.50	103.1
MANGANESE	500.0	479.75	96.0
NICKEL	1000.0	968.26	96.8
SELENIUM	550.0	522.41	95.0
SILVER	200.0	196.02	98.0
THALLIUM	600.0	587.44	97.9
TIN	500.0	471.40	94.3
VANADIUM	500.0	488.63	97.7
ZINC	1000.0	973.73	97.4

SAMPLE: CCV

File: AUH06A Aug 06, 2004 9:54

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50134.25	100.3
ANTIMONY	1000.0	964.59	96.5
ARSENIC	1000.0	944.91	94.5
BARIUM	1000.0	1046.49	104.6
BERYLLIUM	1000.0	1017.54	101.8
CADMIUM	1000.0	1009.68	101.0
CALCIUM	50000.0	50838.65	101.7
CHROMIUM	1000.0	982.28	98.2
COBALT	1000.0	975.84	97.6
COPPER	1000.0	957.55	95.8
IRON	20000.0	19913.09	99.6
LEAD	1000.0	949.33	94.9
MAGNESIUM	50000.0	51250.69	102.5
MANGANESE	1000.0	972.01	97.2
NICKEL	1000.0	980.15	98.0
SELENIUM	1000.0	954.14	95.4
SILVER	250.0	251.32	100.5
THALLIUM	1000.0	969.73	97.0
TIN	1000.0	957.41	95.7
VANADIUM	1000.0	1005.68	100.6
ZINC	1000.0	1004.89	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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: AUH06A Aug 06, 2004 11:14

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49960.02	99.9
ANTIMONY	1000.0	986.05	98.6
ARSENIC	1000.0	971.89	97.2
BARIUM	1000.0	1041.31	104.1
BERYLLIUM	1000.0	1021.89	102.2
CADMIUM	1000.0	1015.58	101.6
CALCIUM	50000.0	50671.23	101.3
CHROMIUM	1000.0	994.31	99.4
COBALT	1000.0	979.62	98.0
COPPER	1000.0	998.99	99.9
IRON	20000.0	19920.83	99.6
LEAD	1000.0	971.70	97.2
MAGNESIUM	50000.0	51186.60	102.4
MANGANESE	1000.0	987.18	98.7
NICKEL	1000.0	988.08	98.8
SELENIUM	1000.0	973.76	97.4
SILVER	250.0	254.61	101.8
THALLIUM	1000.0	981.64	98.2
TIN	1000.0	970.01	97.0
VANADIUM	1000.0	1010.35	101.0
ZINC	1000.0	1009.32	100.9

SAMPLE: CCV

File: AUH06A Aug 06, 2004 12:34

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49498.22	99.0
ANTIMONY	1000.0	994.28	99.4
ARSENIC	1000.0	989.27	98.9
BARIUM	1000.0	1025.96	102.6
BERYLLIUM	1000.0	1012.93	101.3
CADMIUM	1000.0	1015.72	101.6
CALCIUM	50000.0	50866.72	101.7
CHROMIUM	1000.0	996.67	99.7
COBALT	1000.0	986.88	98.7
COPPER	1000.0	997.01	99.7
IRON	20000.0	20007.67	100.0
LEAD	1000.0	986.05	98.6
MAGNESIUM	50000.0	51245.48	102.5
MANGANESE	1000.0	988.96	98.9
NICKEL	1000.0	995.21	99.5
SELENIUM	1000.0	987.42	98.7
SILVER	250.0	254.78	101.9
THALLIUM	1000.0	994.01	99.4
TIN	1000.0	984.02	98.4
VANADIUM	1000.0	1001.14	100.1
ZINC	1000.0	1008.50	100.8

(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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: AUH06A Aug 06, 2004 13:55

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51038.84	102.1
ANTIMONY	1000.0	1027.69	102.8
ARSENIC	1000.0	1033.56	103.4
BARIUM	1000.0	1047.96	104.8
BERYLLIUM	1000.0	1035.63	103.6
CADMIUM	1000.0	1045.65	104.6
CALCIUM	50000.0	53074.43	106.1
CHROMIUM	1000.0	1032.41	103.2
COBALT	1000.0	1035.84	103.6
COPPER	1000.0	1012.88	101.3
IRON	20000.0	20910.56	104.6
LEAD	1000.0	1028.50	102.8
MAGNESIUM	50000.0	53267.52	106.5
MANGANESE	1000.0	1025.20	102.5
NICKEL	1000.0	1041.68	104.2
SELENIUM	1000.0	1024.45	102.4
SILVER	250.0	263.77	105.5
THALLIUM	1000.0	1037.68	103.8
TIN	1000.0	1028.78	102.9
VANADIUM	1000.0	1025.16	102.5
ZINC	1000.0	1044.32	104.4

SAMPLE: CCV

File: AUH06A Aug 06, 2004 14:48

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49860.21	99.7
ANTIMONY	1000.0	989.63	99.0
ARSENIC	1000.0	988.11	98.8
BARIUM	1000.0	1019.70	102.0
BERYLLIUM	1000.0	995.48	99.5
CADMIUM	1000.0	1001.10	100.1
CALCIUM	50000.0	51731.17	103.5
CHROMIUM	1000.0	989.84	99.0
COBALT	1000.0	1007.68	100.8
COPPER	1000.0	944.49	94.4
IRON	20000.0	20417.65	102.1
LEAD	1000.0	986.87	98.7
MAGNESIUM	50000.0	51914.97	103.8
MANGANESE	1000.0	980.40	98.0
NICKEL	1000.0	1008.11	100.8
SELENIUM	1000.0	990.22	99.0
SILVER	250.0	255.61	102.2
THALLIUM	1000.0	999.55	100.0
TIN	1000.0	992.37	99.2
VANADIUM	1000.0	986.77	98.7
ZINC	1000.0	1012.99	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:** WU2388

Concentration Units: ug/L

SAMPLE: ICV

File: BUH05A Aug 05, 2004 18:41

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20182.40	100.9
CALCIUM	20000.0	19069.12	95.3
IRON	20000.0	20273.30	101.4
MAGNESIUM	20000.0	19783.02	98.9
POTASSIUM	20000.0	19781.15	98.9

SAMPLE: CCV

File: BUH05A Aug 05, 2004 19:22

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50868.94	101.7
CALCIUM	50000.0	49443.62	98.9
IRON	20000.0	20560.92	102.8
MAGNESIUM	50000.0	50473.78	100.9
POTASSIUM	50000.0	50644.80	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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: BUH05A Aug 05, 2004 20:29

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51283.56	102.6
CALCIUM	50000.0	46950.26	93.9
IRON	20000.0	20252.55	101.3
MAGNESIUM	50000.0	50256.51	100.5
POTASSIUM	50000.0	51994.86	104.0

SAMPLE: CCV

File: BUH05A Aug 05, 2004 21:37

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51047.49	102.1
CALCIUM	50000.0	47514.82	95.0
IRON	20000.0	20556.24	102.8
MAGNESIUM	50000.0	50520.75	101.0
POTASSIUM	50000.0	50594.59	101.2

(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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: BUH05A Aug 05, 2004 22:45

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50774.36	101.5
CALCIUM	50000.0	48289.39	96.6
IRON	20000.0	20673.79	103.4
MAGNESIUM	50000.0	50558.75	101.1
POTASSIUM	50000.0	50439.48	100.9

SAMPLE: CCV

File: BUH05A Aug 05, 2004 23:52

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51198.48	102.4
CALCIUM	50000.0	47783.76	95.6
IRON	20000.0	20736.64	103.7
MAGNESIUM	50000.0	50910.23	101.8
POTASSIUM	50000.0	51680.74	103.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: BUH05A Aug 06, 2004 0:49

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51393.84	102.8
CALCIUM	50000.0	46672.46	93.3
IRON	20000.0	20583.01	102.9
MAGNESIUM	50000.0	50666.97	101.3
POTASSIUM	50000.0	52178.65	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:** WU2388

Concentration Units: ug/L

SAMPLE: ICV

File: BUH06A Aug 06, 2004 10:56

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19928.68	99.6
CALCIUM	20000.0	19986.98	99.9
IRON	20000.0	20674.31	103.4
MAGNESIUM	20000.0	19810.76	99.1
POTASSIUM	20000.0	19179.11	95.9
SODIUM	20000.0	21938.16	109.7

SAMPLE: CCV

File: BUH06A Aug 06, 2004 11:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50689.31	101.4
CALCIUM	50000.0	48662.42	97.3
IRON	20000.0	20109.56	100.5
MAGNESIUM	50000.0	49823.21	99.6
POTASSIUM	50000.0	50673.39	101.3
SODIUM	50000.0	53101.31	106.2

(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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: BUH06A Aug 06, 2004 12:38

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50772.82	101.5
CALCIUM	50000.0	49483.65	99.0
IRON	20000.0	20499.50	102.5
MAGNESIUM	50000.0	50266.16	100.5
POTASSIUM	50000.0	48547.70	97.1
SODIUM	50000.0	50362.62	100.7

SAMPLE: CCV

File: BUH06A Aug 06, 2004 13:46

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50736.51	101.5
CALCIUM	50000.0	47468.59	94.9
IRON	20000.0	20134.85	100.7
MAGNESIUM	50000.0	49814.49	99.6
POTASSIUM	50000.0	49847.22	99.7
SODIUM	50000.0	52242.92	104.5

(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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: BUH06A Aug 06, 2004 14:53

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50544.61	101.1
CALCIUM	50000.0	47799.92	95.6
IRON	20000.0	20197.46	101.0
MAGNESIUM	50000.0	49800.38	99.6
POTASSIUM	50000.0	49953.62	99.9
SODIUM	50000.0	51234.89	102.5

SAMPLE: CCV

File: BUH06A Aug 06, 2004 16:01

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50368.27	100.7
CALCIUM	50000.0	46979.08	94.0
IRON	20000.0	20093.62	100.5
MAGNESIUM	50000.0	49466.99	98.9
POTASSIUM	50000.0	48471.51	96.9
SODIUM	50000.0	50811.48	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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: BUH06A Aug 06, 2004 16:57

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50460.99	100.9
CALCIUM	50000.0	46867.21	93.7
IRON	20000.0	20078.51	100.4
MAGNESIUM	50000.0	49626.46	99.3
POTASSIUM	50000.0	49534.40	99.1
SODIUM	50000.0	51883.80	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:** WU2388

Concentration Units: ug/L

SAMPLE: ICV

File: HUH05A Aug 05, 2004 17:55

Analyte	True	Found	%R (1)
MERCURY	6.0	5.59	93.2

SAMPLE: CCV

File: HUH05A Aug 05, 2004 18:20

Analyte	True	Found	%R (1)
MERCURY	5.0	4.97	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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: HUH05A Aug 05, 2004 18:46

Analyte	True	Found	%R (1)
MERCURY	5.0	4.99	99.8

SAMPLE: CCV

File: HUH05A Aug 05, 2004 19:11

Analyte	True	Found	%R (1)
MERCURY	5.0	4.98	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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: HUH05A Aug 05, 2004 19:37

Analyte	True	Found	%R (1)
MERCURY	5.0	5.50	110.0

SAMPLE: CCV

File: HUH05A Aug 05, 2004 20:03

Analyte	True	Found	%R (1)
MERCURY	5.0	5.34	106.8

(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:** WU2388

Concentration Units: ug/L

SAMPLE: CCV

File: HUH05A Aug 05, 2004 20:09

Analyte	True	Found	%R (1)
MERCURY	5.0	5.23	104.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH05HGS1

Matrix: SOIL **SDG Name:** WU2388

QC Batch ID: UH05HGS1

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH05ICS0

Matrix: SOIL **SDG Name:** WU2388

QC Batch ID: UH05ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ALUMINUM	-9.017	B
ANTIMONY	0.230	U
ARSENIC	0.300	U
BARIUM	0.020	U
BERYLLIUM	0.031	B
CADMIUM	0.030	U
CALCIUM	8.747	
CHROMIUM	0.128	B
COBALT	0.060	U
COPPER	0.090	U
IRON	1.070	U
LEAD	0.170	U
MAGNESIUM	0.750	U
MANGANESE	0.036	B
NICKEL	0.090	U
POTASSIUM	90.329	B
SELENIUM	0.370	U
SILVER	0.070	U
SODIUM	1.974	B
THALLIUM	0.410	U
TIN	0.824	B
VANADIUM	0.076	B
ZINC	0.244	B

Katahdin Analytical Services 4000062

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: ICB

File: AUH05A Aug 05, 2004 18:02

Analyte	Result	C
ALUMINUM	-21.11	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	3.53	B
CHROMIUM	0.80	U
COBALT	0.64	B
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.16	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	1.04	B
THALLIUM	4.09	U
TIN	2.62	B
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH05A Aug 05, 2004 18:43

Analyte	Result	C
ALUMINUM	-44.89	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	6.03	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.26	B
TIN	2.09	B
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH05A Aug 05, 2004 20:06

Analyte	Result	C
ALUMINUM	-76.92	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.37	B
CADMIUM	0.30	U
CALCIUM	34.00	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	1.05	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	18.67	B
MANGANESE	0.15	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	5.30	B
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: CCB

File: AUH05A Aug 05, 2004 21:27

Analyte	Result	C
ALUMINUM	-78.57	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.42	B
CALCIUM	42.78	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	1.12	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	30.07	B
MANGANESE	0.23	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	5.72	B
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH05A Aug 05, 2004 22:47

Analyte	Result	C
ALUMINUM	-70.16	B
ANTIMONY	-2.92	B
ARSENIC	3.03	U
BARIUM	0.20	B
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	37.20	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.99	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	25.24	B
MANGANESE	0.23	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	5.03	B
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: ICB

File: AUH06A Aug 06, 2004 9:20

Analyte	Result	C
ALUMINUM	-117.11	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	29.88	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	1.88	B
IRON	-13.24	B
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH06A Aug 06, 2004 10:00

Analyte	Result	C
ALUMINUM	-62.23	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	34.07	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	1.32	B
IRON	18.55	B
LEAD	1.70	U
MAGNESIUM	15.41	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.80	B

SAMPLE: CCB

File: AUH06A Aug 06, 2004 11:21

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.28	B
BERYLLIUM	0.41	B
CADMIUM	0.30	U
CALCIUM	70.75	
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	12.86	B
LEAD	1.70	U
MAGNESIUM	28.05	B
MANGANESE	0.23	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: CCB

File: AUH06A Aug 06, 2004 12:41

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.27	B
CADMIUM	0.30	U
CALCIUM	20.94	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	20.65	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	-1.91	B
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH06A Aug 06, 2004 14:01

Analyte	Result	C
ALUMINUM	-28.42	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.18	B
BERYLLIUM	0.56	B
CADMIUM	0.30	U
CALCIUM	21.61	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.14	B
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH06A Aug 06, 2004 14:55

Analyte	Result	C
ALUMINUM	-30.19	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	39.27	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	16.69	B
LEAD	1.70	U
MAGNESIUM	28.88	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: ICB

File: BUH05A Aug 05, 2004 18:47

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	569.44	B

SAMPLE: CCB

File: BUH05A Aug 05, 2004 19:27

Analyte	Result	C
ALUMINUM	39.16	B
CALCIUM	21.40	U
IRON	5.13	B
MAGNESIUM	32.89	B
POTASSIUM	317.39	B

SAMPLE: CCB

File: BUH05A Aug 05, 2004 20:35

Analyte	Result	C
ALUMINUM	49.91	B
CALCIUM	26.74	B
IRON	7.76	B
MAGNESIUM	24.70	U
POTASSIUM	238.00	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: CCB

File: BUH05A Aug 05, 2004 21:43

Analyte	Result	C
ALUMINUM	20.91	B
CALCIUM	38.26	B
IRON	10.24	B
MAGNESIUM	36.41	B
POTASSIUM	340.65	B

SAMPLE: CCB

File: BUH05A Aug 05, 2004 22:50

Analyte	Result	C
ALUMINUM	50.99	B
CALCIUM	47.23	B
IRON	13.65	B
MAGNESIUM	32.98	B
POTASSIUM	238.00	U

SAMPLE: CCB

File: BUH05A Aug 05, 2004 23:58

Analyte	Result	C
ALUMINUM	32.59	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	238.00	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: CCB

File: BUH05A Aug 06, 2004 0:54

Analyte	Result	C
ALUMINUM	58.77	B
CALCIUM	21.40	U
IRON	9.47	B
MAGNESIUM	52.93	
POTASSIUM	656.20	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: ICB

File: BUH06A Aug 06, 2004 11:01

Analyte	Result	C
ALUMINUM	-25.13	B
CALCIUM	21.40	U
IRON	5.39	B
MAGNESIUM	24.70	U
POTASSIUM	-364.01	B
SODIUM	-32.63	B

SAMPLE: CCB

File: BUH06A Aug 06, 2004 11:35

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	8.89	B
MAGNESIUM	40.77	B
POTASSIUM	238.00	U
SODIUM	19.10	U

SAMPLE: CCB

File: BUH06A Aug 06, 2004 12:44

Analyte	Result	C
ALUMINUM	-20.41	B
CALCIUM	52.48	
IRON	7.14	B
MAGNESIUM	24.70	U
POTASSIUM	-856.95	B
SODIUM	-25.96	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: CCB

File: BUH06A Aug 06, 2004 13:51

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	91.97	
IRON	9.20	B
MAGNESIUM	24.70	U
POTASSIUM	-1043.52	
SODIUM	19.10	U

SAMPLE: CCB

File: BUH06A Aug 06, 2004 14:59

Analyte	Result	C
ALUMINUM	19.31	B
CALCIUM	23.03	B
IRON	23.42	B
MAGNESIUM	69.66	
POTASSIUM	238.00	U
SODIUM	19.10	U

SAMPLE: CCB

File: BUH06A Aug 06, 2004 16:07

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	-616.61	B
SODIUM	19.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: CCB

File: BUH06A Aug 06, 2004 17:03

Analyte	Result	C
ALUMINUM	25.96	B
CALCIUM	21.40	U
IRON	18.86	B
MAGNESIUM	42.96	B
POTASSIUM	-311.18	B
SODIUM	19.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: ICB

File: HUH05A Aug 05, 2004 17:57

Analyte	Result	C
MERCURY	-0.01	B

SAMPLE: CCB

File: HUH05A Aug 05, 2004 18:22

Analyte	Result	C
MERCURY	-0.02	B

SAMPLE: CCB

File: HUH05A Aug 05, 2004 18:48

Analyte	Result	C
MERCURY	-0.02	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: CCB

File: HUH05A Aug 05, 2004 19:13

Analyte	Result	C
MERCURY	-0.01	B

SAMPLE: CCB

File: HUH05A Aug 05, 2004 19:39

Analyte	Result	C
MERCURY	-0.02	B

SAMPLE: CCB

File: HUH05A Aug 05, 2004 20:05

Analyte	Result	C
MERCURY	-0.02	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Concentration Units: ug/L

SAMPLE: CCB

File: HUH05A Aug 05, 2004 20:11

Analyte	Result	C
MERCURY	-0.01	B

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	18.30	P
ANTIMONY	8.0	2.34	P
ARSENIC	8.0	3.03	P
BARIUM	5.0	0.17	P
BERYLLIUM	5.0	0.25	P
CADMIUM	10	0.30	P
CALCIUM	50	3.13	P
CHROMIUM	15	0.80	P
COBALT	30	0.64	P
COPPER	25	0.86	P
IRON	100	10.70	P
LEAD	5.0	1.70	P
MAGNESIUM	50	7.52	P
MANGANESE	5.0	0.13	P
NICKEL	40	0.85	P
SELENIUM	10	3.71	P
SILVER	15	0.70	P
THALLIUM	15	4.09	P
TIN	100	1.79	P
VANADIUM	25	0.75	P
ZINC	25	0.25	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
POTASSIUM	1000	238.00	P
SODIUM	1000	19.10	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 1/17/2003

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
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
TIN	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:** 1/17/2003

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

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH05HGS1

Matrix: SOIL **SDG Name:** WU2388

Method: CV **Prep Date:** 08/05/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH05HGS1	LCSOUH05HGS1	0.6	0.1
PBSUH05HGS1	PBSUH05HGS1	0.6	0.1
C03V-05N-06-0804	WU2388-001	0.95	0.1
C03V-05S-06-0804	WU2388-002	0.85	0.1
C03V-10S-06-0804	WU2388-003	0.79	0.1
C03V-10S-12-0804	WU2388-004	0.74	0.1
C03V-10S-12-0804P	WU2388-004P	0.71	0.1
C03V-10S-12-0804S	WU2388-004S	0.76	0.1
C03V-10S-24-0804	WU2388-005	0.78	0.1
C03V-10W-06-0804	WU2388-006	0.84	0.1
C03V-10W-12-0804	WU2388-007	0.77	0.1
C03V-10W-24-0804	WU2388-008	0.79	0.1
C03V-11S-06-0804	WU2388-009	0.75	0.1
C03V-11S-12-0804	WU2388-010	0.79	0.1
C03V-11S-24-0804	WU2388-011	0.83	0.1
C03V-11E-06-0804	WU2388-012	0.91	0.1
C03V-11E-12-0804	WU2388-013	0.95	0.1
C03V-11E-24-0804	WU2388-014	0.84	0.1
C03V-10F-0804	WU2388-015	0.93	0.1
C03V-11F-0804	WU2388-016	0.81	0.1
C03V-DUP03-0804	WU2388-017	0.99	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH05ICS0

Matrix: SOIL **SDG Name:** WU2388

Method: P **Prep Date:** 08/05/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH05ICS0	LCSOUH05ICS0	1	0.1
PBSUH05ICS0	PBSUH05ICS0	1	0.1
C03V-05N-06-0804	WU2388-001	1.08	0.1
C03V-05S-06-0804	WU2388-002	1.23	0.1
C03V-10S-06-0804	WU2388-003	1.16	0.1
C03V-10S-12-0804	WU2388-004	1.01	0.1
C03V-10S-12-0804P	WU2388-004P	1.04	0.1
C03V-10S-12-0804S	WU2388-004S	1.02	0.1
C03V-10S-24-0804	WU2388-005	1.04	0.1
C03V-10W-06-0804	WU2388-006	1.05	0.1
C03V-10W-12-0804	WU2388-007	1.11	0.1
C03V-10W-24-0804	WU2388-008	1.17	0.1
C03V-11S-06-0804	WU2388-009	1	0.1
C03V-11S-12-0804	WU2388-010	1.03	0.1
C03V-11S-24-0804	WU2388-011	1.1	0.1
C03V-11E-06-0804	WU2388-012	1.08	0.1
C03V-11E-12-0804	WU2388-013	1.53	0.1
C03V-11E-24-0804	WU2388-014	1.42	0.1
C03V-10F-0804	WU2388-015	1.16	0.1
C03V-11F-0804	WU2388-016	1.12	0.1
C03V-DUP03-0804	WU2388-017	1.05	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Instrument ID: TJA TRACE ICP **File Name:** AUH05A

Date: 8/5/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																	
S0		1	17:12	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
S1		1	17:19	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
AL IEC		1	17:29	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
FE IEC		1	17:35	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
MN IEC		1	17:42	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
IEC		1	17:49	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICV		1	17:56	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICB		1	18:02	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
PQL		1	18:09	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CRI		1	18:16	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	18:22	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	18:29	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	18:36	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	18:43	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		10	18:49																					
ZZZZZZ		50	18:56																					
ZZZZZZ		10	19:03																					
ZZZZZZ		10	19:09																					
ZZZZZZ		10	19:16																					
ZZZZZZ		10	19:23																					
ZZZZZZ		10	19:29																					
ZZZZZZ		10	19:39																					
ZZZZZZ		10	19:46																					
ZZZZZZ		10	19:53																					
CCV		1	20:00	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	20:06	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		10	20:13																					
ZZZZZZ		10	20:20																					
ZZZZZZ		10	20:26																					
ZZZZZZ		10	20:33																					
ZZZZZZ		10	20:40																					
ZZZZZZ		10	20:46																					
ZZZZZZ		10	20:53																					
ZZZZZZ		10	21:00																					
PBSUH05ICS0		1	21:06	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
LCSOUH05ICS0		1	21:13	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	21:20	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	21:27	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2388-001	C03V-05N-06-0804	1	21:33	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2388-002	C03V-05S-06-0804	1	21:40	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe		Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2388-003	C03V-10S-06-0804	1	21:47	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2388-004	C03V-10S-12-0804	1	21:54	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2388-004L	C03V-10S-12-0804L	5	22:00	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2388-004S	C03V-10S-12-0804S	1	22:07	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2388-004P	C03V-10S-12-0804P	1	22:14	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CRI		1	22:20	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	22:27	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	22:34	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	22:40	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	22:47	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Instrument ID: TJA TRACE ICP **File Name:** AUH06A

Date: 8/6/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
S0		1	8:30	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
S1		1	8:37	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
AL IEC		1	8:46	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
FE IEC		1	8:53	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
MN IEC		1	9:00	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
IEC		1	9:07	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICV		1	9:13	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICB		1	9:20	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
PQL		1	9:27	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CRI		1	9:34	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICSA		1	9:40	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
ICSAB		1	9:47	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCV		1	9:54	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	10:00	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-005	C03V-10S-24-0804	1	10:07	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-006	C03V-10W-06-0804	1	10:14	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-007	C03V-10W-12-0804	1	10:20	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-008	C03V-10W-24-0804	1	10:27	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-009	C03V-11S-06-0804	1	10:34	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-010	C03V-11S-12-0804	1	10:41	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-011	C03V-11S-24-0804	1	10:47	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-012	C03V-11E-06-0804	1	10:54	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-013	C03V-11E-12-0804	1	11:01	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-014	C03V-11E-24-0804	1	11:07	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCV		1	11:14	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	11:21	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-015	C03V-10F-0804	1	11:27	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-016	C03V-11F-0804	1	11:34	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-017	C03V-DUP03-0804	1	11:41	Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-001	C03V-05N-06-0804	10	11:47	Ca
WU2388-002	C03V-05S-06-0804	10	11:54	Ca Pb
WU2388-003	C03V-10S-06-0804	10	12:01	Ca
WU2388-004	C03V-10S-12-0804	10	12:08	Ca
WU2388-005	C03V-10S-24-0804	10	12:14	Ca
WU2388-006	C03V-10W-06-0804	10	12:21	Ca
WU2388-007	C03V-10W-12-0804	10	12:28	Ca
CCV		1	12:34	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	12:41	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
WU2388-008	C03V-10W-24-0804	10	12:48	Ca
WU2388-009	C03V-11S-06-0804	10	12:54	Ca
WU2388-010	C03V-11S-12-0804	10	13:01	Ca
WU2388-011	C03V-11S-24-0804	10	13:08	Ca
WU2388-012	C03V-11E-06-0804	10	13:14	Ca
WU2388-013	C03V-11E-12-0804	10	13:21	Ca
WU2388-014	C03V-11E-24-0804	10	13:28	Ca
WU2388-015	C03V-10F-0804	10	13:35	Ca
WU2388-016	C03V-11F-0804	10	13:41	Ca
WU2388-017	C03V-DUP03-0804	10	13:48	Ca
CCV		1	13:55	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn
CCB		1	14:01	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni Se Ag Tl Sn V Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Instrument ID: TJA TRACE ICP **File Name:** AUH06A

Date: 8/6/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																				
ZZZZZZ		50	14:08																					
WU2388-004S	C03V-10S-12-0804S	10	14:15						Ca															
WU2388-004P	C03V-10S-12-0804P	10	14:21						Ca															
CRI		1	14:28	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	14:35	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	14:42	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	14:48	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	14:55	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Instrument ID: TJA 61 ICP **File Name:** BUH05A

Date: 8/5/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	18:14	Al	Ca	Fe	Mg	K
S1		1	18:19	Al	Ca	Fe	Mg	K
AL IEC		1	18:25	Al	Ca	Fe	Mg	K
FE IEC		1	18:33	Al	Ca	Fe	Mg	K
ICV		1	18:41	Al	Ca	Fe	Mg	K
ICB		1	18:47	Al	Ca	Fe	Mg	K
PQL		1	18:53	Al	Ca	Fe	Mg	K
CRI		1	19:05	Al	Ca	Fe	Mg	K
ICSA		1	19:11	Al	Ca	Fe	Mg	K
ICSAB		1	19:16	Al	Ca	Fe	Mg	K
CCV		1	19:22	Al	Ca	Fe	Mg	K
CCB		1	19:27	Al	Ca	Fe	Mg	K
ZZZZZZ		1	19:33					
ZZZZZZ		1	19:39					
ZZZZZZ		1	19:44					
ZZZZZZ		5	19:50					
ZZZZZZ		1	19:56					
ZZZZZZ		1	20:01					
ZZZZZZ		1	20:07					
ZZZZZZ		1	20:13					
ZZZZZZ		1	20:18					
ZZZZZZ		1	20:24					
CCV		1	20:29	Al	Ca	Fe	Mg	K
CCB		1	20:35	Al	Ca	Fe	Mg	K
ZZZZZZ		1	20:41					
ZZZZZZ		1	20:46					
ZZZZZZ		1	20:52					
ZZZZZZ		1	20:58					
ZZZZZZ		1	21:03					
ZZZZZZ		1	21:09					
ZZZZZZ		1	21:15					
ZZZZZZ		1	21:20					
ZZZZZZ		1	21:26					
ZZZZZZ		1	21:31					
CCV		1	21:37	Al	Ca	Fe	Mg	K
CCB		1	21:43	Al	Ca	Fe	Mg	K
PBSUH05ICS0		1	21:48					K
LCSOUH05ICS0		1	21:54					K
WU2388-001	C03V-05N-06-0804	1	22:00					K
WU2388-002	C03V-05S-06-0804	1	22:05					K
WU2388-003	C03V-10S-06-0804	1	22:11					K
WU2388-004	C03V-10S-12-0804	1	22:16					K
WU2388-004L	C03V-10S-12-0804L	5	22:22					K
CRI		1	22:28	Al	Ca	Fe	Mg	K
ICSA		1	22:33	Al	Ca	Fe	Mg	K
ICSAB		1	22:39	Al	Ca	Fe	Mg	K
CCV		1	22:45	Al	Ca	Fe	Mg	K
CCB		1	22:50	Al	Ca	Fe	Mg	K
ZZZZZZ		1	22:56					
ZZZZZZ		1	23:02					

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Instrument ID: TJA 61 ICP **File Name:** BUH05A

Date: 8/5/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
WU2388-005	C03V-10S-24-0804	1	23:07					K
WU2388-006	C03V-10W-06-0804	1	23:13					K
WU2388-007	C03V-10W-12-0804	1	23:18					K
WU2388-008	C03V-10W-24-0804	1	23:24					K
WU2388-009	C03V-11S-06-0804	1	23:30					K
WU2388-010	C03V-11S-12-0804	1	23:35					K
WU2388-011	C03V-11S-24-0804	1	23:41					K
WU2388-012	C03V-11E-06-0804	1	23:47					K
CCV		1	23:52	Al	Ca	Fe	Mg	K
CCB		1	23:58	Al	Ca	Fe	Mg	K
WU2388-013	C03V-11E-12-0804	1	0:04					K
WU2388-014	C03V-11E-24-0804	1	0:09					K
WU2388-015	C03V-10F-0804	1	0:15					K
WU2388-016	C03V-11F-0804	1	0:20					K
WU2388-017	C03V-DUP03-0804	1	0:26					K
CRI		1	0:32	Al	Ca	Fe	Mg	K
ICSA		1	0:37	Al	Ca	Fe	Mg	K
ICSAB		1	0:43	Al	Ca	Fe	Mg	K
CCV		1	0:49	Al	Ca	Fe	Mg	K
CCB		1	0:54	Al	Ca	Fe	Mg	K

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Instrument ID: TJA 61 ICP **File Name:** BUH06A

Date: 8/6/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
S0		1	10:28	Al	Ca	Fe	Mg	K	Na
S1		1	10:33	Al	Ca	Fe	Mg	K	Na
AL IEC		1	10:39	Al	Ca	Fe	Mg	K	Na
FE IEC		1	10:47	Al	Ca	Fe	Mg	K	Na
ICV		1	10:56	Al	Ca	Fe	Mg	K	Na
ICB		1	11:01	Al	Ca	Fe	Mg	K	Na
PQL		1	11:07	Al	Ca	Fe	Mg	K	Na
CRI		1	11:13	Al	Ca	Fe	Mg	K	Na
ICSA		1	11:18	Al	Ca	Fe	Mg	K	Na
ICSAB		1	11:24	Al	Ca	Fe	Mg	K	Na
CCV		1	11:30	Al	Ca	Fe	Mg	K	Na
CCB		1	11:35	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	11:41						
ZZZZZZ		1	11:47						
ZZZZZZ		1	11:53						
ZZZZZZ		5	11:59						
ZZZZZZ		1	12:04						
ZZZZZZ		1	12:10						
ZZZZZZ		1	12:16						
ZZZZZZ		1	12:21						
ZZZZZZ		1	12:27						
ZZZZZZ		1	12:32						
CCV		1	12:38	Al	Ca	Fe	Mg	K	Na
CCB		1	12:44	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	12:49						
ZZZZZZ		1	12:55						
ZZZZZZ		1	13:01						
ZZZZZZ		1	13:06						
ZZZZZZ		1	13:12						
ZZZZZZ		1	13:18						
ZZZZZZ		1	13:23						
ZZZZZZ		1	13:29						
ZZZZZZ		1	13:34						
ZZZZZZ		1	13:40						
CCV		1	13:46	Al	Ca	Fe	Mg	K	Na
CCB		1	13:51	Al	Ca	Fe	Mg	K	Na
PBSUH05ICS0		1	13:57						Na
LCSOUH05ICS0		1	14:03						Na
WU2388-001	C03V-05N-06-0804	1	14:08						Na
WU2388-002	C03V-05S-06-0804	1	14:14						Na
WU2388-003	C03V-10S-06-0804	1	14:20						Na
WU2388-004	C03V-10S-12-0804	1	14:25						Na
WU2388-004L	C03V-10S-12-0804L	5	14:31						Na
CRI		1	14:36	Al	Ca	Fe	Mg	K	Na
ICSA		1	14:42	Al	Ca	Fe	Mg	K	Na
ICSAB		1	14:48	Al	Ca	Fe	Mg	K	Na
CCV		1	14:53	Al	Ca	Fe	Mg	K	Na
CCB		1	14:59	Al	Ca	Fe	Mg	K	Na
WU2388-004S	C03V-10S-12-0804S	1	15:05					K	Na
WU2388-004P	C03V-10S-12-0804P	1	15:10					K	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Instrument ID: TJA 61 ICP **File Name:** BUH06A

Date: 8/6/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
WU2388-005	C03V-10S-24-0804	1	15:16						Na
WU2388-006	C03V-10W-06-0804	1	15:22						Na
WU2388-007	C03V-10W-12-0804	1	15:27						Na
WU2388-008	C03V-10W-24-0804	1	15:33						Na
WU2388-009	C03V-11S-06-0804	1	15:38						Na
WU2388-010	C03V-11S-12-0804	1	15:44						Na
WU2388-011	C03V-11S-24-0804	1	15:50						Na
WU2388-012	C03V-11E-06-0804	1	15:55						Na
CCV		1	16:01	Al	Ca	Fe	Mg	K	Na
CCB		1	16:07	Al	Ca	Fe	Mg	K	Na
WU2388-013	C03V-11E-12-0804	1	16:12						Na
WU2388-014	C03V-11E-24-0804	1	16:18						Na
WU2388-015	C03V-10F-0804	1	16:24						Na
WU2388-016	C03V-11F-0804	1	16:29						Na
WU2388-017	C03V-DUP03-0804	1	16:35						Na
CRI		1	16:40	Al	Ca	Fe	Mg	K	Na
ICSA		1	16:46	Al	Ca	Fe	Mg	K	Na
ICSAB		1	16:52	Al	Ca	Fe	Mg	K	Na
CCV		1	16:57	Al	Ca	Fe	Mg	K	Na
CCB		1	17:03	Al	Ca	Fe	Mg	K	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Instrument ID: CETAC M6100 **File Name:** HUH05A

Date: 8/5/2004 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	17:42	Hg
Standard #1 (0.2 p		1	17:44	Hg
Standard #2 (0.5 p		1	17:46	Hg
Standard #3 (1.0 p		1	17:48	Hg
Standard #4 (5.0 p		1	17:50	Hg
Standard #5 (10.0		1	17:52	Hg
ICV		1	17:55	HG
ICB		1	17:57	HG
CRA		1	17:59	HG
ZZZZZZ		1	18:01	
ZZZZZZ		1	18:03	
ZZZZZZ		1	18:05	
ZZZZZZ		1	18:07	
ZZZZZZ		1	18:09	
ZZZZZZ		1	18:11	
ZZZZZZ		1	18:14	
ZZZZZZ		1	18:16	
ZZZZZZ		1	18:18	
CCV		1	18:20	HG
CCB		1	18:22	HG
ZZZZZZ		1	18:24	
ZZZZZZ		1	18:26	
ZZZZZZ		1	18:28	
ZZZZZZ		1	18:31	
ZZZZZZ		1	18:33	
ZZZZZZ		1	18:35	
ZZZZZZ		1	18:37	
ZZZZZZ		1	18:39	
ZZZZZZ		1	18:41	
ZZZZZZ		1	18:43	
CCV		1	18:46	HG
CCB		1	18:48	HG
ZZZZZZ		1	18:50	
ZZZZZZ		1	18:52	
ZZZZZZ		1	18:54	
ZZZZZZ		1	18:56	
ZZZZZZ		1	18:58	
ZZZZZZ		1	19:01	
PBSUH05HGS1		1	19:03	HG
LCSOUH05HGS1		1	19:05	HG
ZZZZZZ		1	19:07	
ZZZZZZ		1	19:09	
CCV		1	19:11	HG
CCB		1	19:13	HG
ZZZZZZ		1	19:15	
WU2388-001	C03V-05N-06-0804	1	19:18	HG
WU2388-002	C03V-05S-06-0804	1	19:20	HG
WU2388-003	C03V-10S-06-0804	1	19:22	HG
WU2388-004	C03V-10S-12-0804	1	19:24	HG
ZZZZZZ		1	19:26	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2388

Instrument ID: CETAC M6100 **File Name:** HUH05A

Date: 8/5/2004 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
WU2388-004S	C03V-10S-12-0804S	1	19:28	HG
WU2388-004P	C03V-10S-12-0804P	1	19:31	HG
WU2388-005	C03V-10S-24-0804	1	19:33	HG
WU2388-006	C03V-10W-06-0804	1	19:35	HG
CCV		1	19:37	HG
CCB		1	19:39	HG
WU2388-007	C03V-10W-12-0804	1	19:41	HG
WU2388-008	C03V-10W-24-0804	1	19:43	HG
WU2388-009	C03V-11S-06-0804	1	19:46	HG
WU2388-010	C03V-11S-12-0804	1	19:48	HG
WU2388-011	C03V-11S-24-0804	1	19:50	HG
WU2388-012	C03V-11E-06-0804	1	19:52	HG
WU2388-013	C03V-11E-12-0804	1	19:54	HG
WU2388-014	C03V-11E-24-0804	1	19:56	HG
WU2388-015	C03V-10F-0804	1	19:59	HG
WU2388-016	C03V-11F-0804	1	20:01	HG
CCV		1	20:03	HG
CCB		1	20:05	HG
WU2388-017	C03V-DUP03-0804	1	20:07	HG
CCV		1	20:09	HG
CCB		1	20:11	HG

FIELD DUPLICATE PRECISION - SDG WU2388

ANALYTE	C03V-DUP03-0804	C03V-11S-12-0804	RPD	DIFFERENCE
Aluminum	780	608	24.78	172
Antimony	0.28	0.25U	#VALUE!	#VALUE!
Arsenic	0.79	0.62	24.11	0.17
Barium	6.3	5.3	17.24	1
Beryllium	0.11	0.09	20.00	0.02
Cadmium	0.08	0.09	11.76	0.01
Calcium	227000	194000	15.68	33000
Chromium	5.1	4.5	12.50	0.6
Cobalt	0.29	0.23	23.08	0.06
Copper	1.2	1.9	45.16	0.7
Iron	590	477	21.18	113
Lead	2.6	2.9	10.91	0.3
Magnesium	1900	1580	18.39	320
Manganese	23.8	19.7	18.85	4.1
Mercury	0.01U	0.01U	#VALUE!	#VALUE!
Nickel	1.1	0.93	16.75	0.17
Potassium	79.8	43.4	59.09 OK	36.4
Selenium	0.38U	0.39U	#VALUE!	#VALUE!
Silver	0.07U	0.07U	#VALUE!	#VALUE!
Sodium	223	186	18.09	37
Thallium	0.42U	0.6	#VALUE!	#VALUE!
Tin	1.6	1.2	28.57	0.4
Vanadium	5.2	4.3	18.95	0.9
Zinc	1.5	1.6	6.45	0.1

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 1, 2004**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- PCB CTO 349, NAS KEY WEST SDG WU2522**		
SAMPLES:	8/Solid		

C03V-10F-72-0804	C03V-12EF-06-0804	C03V-12EF-12-0804
C03V-12EF-24-0804	C03V-16EF-06-0804	C03V-16EF-12-0804
C03V-16EF-24-0804	C03V-DUP07-0804	

OVERVIEW

The sample set for CTO 349 NAS Key West, SDG WU2522 consists of eight (8) solid environmental samples. All samples were analyzed for polychlorinated biphenyls (PCBs). One field duplicate was associated with this SDG: C03V-12EF-24-0804 / C03V-DUP07-0804.

The samples were collected by TetraTech NUS on August 16, 2004 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 SW-846 Method 8082 analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
• Initial/continuing calibrations
* • Laboratory method blank results
• Surrogate Recoveries
* • Field Duplicates
* • Detection Limits

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

PCBs

The surrogate tetrachloro-m-xylene had a recovery greater than the quality control criterion for sample C03V-12EF-06-0804 and C03V-10F-72-0804MSD on the RTX-35 column. No action was taken on this basis because all other surrogate recoveries were acceptable.

The surrogate tetrachloro-m-xylene and decachlorobiphenyl had recoveries greater than the quality control criterion for sample C03V-12EF-24-0804 on the RTX-35 column. The positive result for Aroclor-1260 has been qualified as estimated (J).

The surrogate tetrachloro-m-xylene and decachlorobiphenyl had recoveries greater than the quality control

criterion for sample C03V-DUP07-0804 on the RTX-35 column for tetrachloro-m-xylene and the RTX-5 and RTX-35 column for decachlorobiphenyl. The positive result for Aroclor-1260 has been qualified as estimated (J).

The percent difference (%D) between analytical columns for the PCB analyses exceeded 25% for positive results reported for PCBs in the following samples:

Sample Number	Compound	% Difference	Qualification
C03V-10F-72-0804	Aroclor-1260	39.6%	J
C03V-16EF-06-0804	Aroclor-1260	34.4%	J
C03V-16EF-12-0804	Aroclor-1254	28.6%	J
C03V-16EF-24-0804	Aroclor-1260	41.2%	J

The positive results have been qualified as estimated, "J".

The continuing calibration average percent difference exceeded 15% for Aroclor-1254 on instrument "GC06" on 08/17/04 @12:13 and 08/18/04 @01:33 on the RTX-5 column. The percent differences for Aroclor-1254 were acceptable on the RTX-35 column. No action was taken on this basis.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Continuing calibrations exceeded percent difference criterion.

Other Factors Affecting Data Quality: Data was qualified due to surrogate non-compliance and percent difference between columns.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines 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

For Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

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: 0693

SDG: WU2522 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-10F-72-0804	nsample	C03V-12EF-06-0804	nsample	C03V-12EF-12-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2522-1	lab_id	WU2522-2	lab_id	WU2522-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	48.3	Pct_Solids	92.3	Pct_Solids	87.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	41	J	U

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	150		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	19	U	

PROJ_NO: 0693

SDG: WU2522 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-12EF-24-0804	nsample	C03V-16EF-06-0804	nsample	C03V-16EF-12-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2522-4	lab_id	WU2522-5	lab_id	WU2522-6
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	83.5	Pct_Solids	93.2	Pct_Solids	78.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	20	U	
AROCLOR-1221	20	U	
AROCLOR-1232	20	U	
AROCLOR-1242	20	U	
AROCLOR-1248	20	U	
AROCLOR-1254	20	U	
AROCLOR-1260	1700	J	R

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	190	J	U

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	22	U	
AROCLOR-1221	22	U	
AROCLOR-1232	22	U	
AROCLOR-1242	22	U	
AROCLOR-1248	22	U	
AROCLOR-1254	290	J	U
AROCLOR-1260	320		

PROJ_NO: 0693

SDG: WU2522 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-16EF-24-0804	nsample	C03V-DUP07-0804
samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2522-7	lab_id	WU2522-8
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	73.5	Pct_Solids	85.3
DUP_OF:		DUP_OF:	C03V-12EF-24-0804

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	23	U	
AROCLOR-1221	23	U	
AROCLOR-1232	23	U	
AROCLOR-1242	23	U	
AROCLOR-1248	23	U	
AROCLOR-1254	23	U	
AROCLOR-1260	62	J	U

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	20	U	
AROCLOR-1221	20	U	
AROCLOR-1232	20	U	
AROCLOR-1242	20	U	
AROCLOR-1248	20	U	
AROCLOR-1254	20	U	
AROCLOR-1260	2200	J	R

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/17/04
Analysis Date: 08/17/04
Report Date: 08/18/2004
Matrix: SOIL
% Solids: 48.3

Lab ID: WU2522-1
Client ID: C03V-10F-72-0804
SDG: WU2522
Extracted by: AZ
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9252
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	35	1.0	17	35	22
11104-28-2	Aroclor-1221	U	35	1.0	17	35	17
11141-16-5	Aroclor-1232	U	35	1.0	17	35	11
53469-21-9	Aroclor-1242	U	35	1.0	17	35	14
12672-29-6	Aroclor-1248	U	35	1.0	17	35	17
11097-69-1	Aroclor-1254	U	35	1.0	17	35	9.7
11096-82-5	Aroclor-1260		41	1.0	17	35	18
877-09-8	Tetrachloro-m-xylene		97%				
2051-24-3	Decachlorobiphenyl		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/17/04
Analysis Date: 08/17/04
Report Date: 08/18/2004
Matrix: SOIL
% Solids: 92.3

Lab ID: WU2522-2
Client ID: C03V-12EF-06-0804
SDG: WU2522
Extracted by: AZ
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9252
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.9
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.3
12672-29-6	Aroclor-1248	U	18	1.0	17	18	9.0
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.1
11096-82-5	Aroclor-1260		150	1.0	17	18	9.3
877-09-8	Tetrachloro-m-xylene		*104%				
2051-24-3	Decachlorobiphenyl		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/17/04
Analysis Date: 08/17/04
Report Date: 08/18/2004
Matrix: SOIL
% Solids: 87.7

Lab ID: WU2522-3
Client ID: C03V-12EF-12-0804
SDG: WU2522
Extracted by: AZ
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9252
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.3
11141-16-5	Aroclor-1232	U	19	1.0	17	19	6.0
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.7
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.4
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.4
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.8
877-09-8	Tetrachloro-m-xylene		94%				
2051-24-3	Decachlorobiphenyl		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/17/04
Analysis Date: 08/17/04
Report Date: 08/18/2004
Matrix: SOIL
% Solids: 83.5

Lab ID: WU2522-4
Client ID: C03V-12EF-24-0804
SDG: WU2522
Extracted by: AZ
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9252
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	20	1.0	17	20	13
11104-28-2	Aroclor-1221	U	20	1.0	17	20	9.8
11141-16-5	Aroclor-1232	U	20	1.0	17	20	6.3
53469-21-9	Aroclor-1242	U	20	1.0	17	20	8.0
12672-29-6	Aroclor-1248	U	20	1.0	17	20	9.9
11097-69-1	Aroclor-1254	U	20	1.0	17	20	5.6
11096-82-5	Aroclor-1260		1700	1.0	17	20	10
877-09-8	Tetrachloro-m-xylene		*116%				
2051-24-3	Decachlorobiphenyl		*116%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/17/04
Analysis Date: 08/17/04
Report Date: 08/18/2004
Matrix: SOIL
% Solids: 93.2

Lab ID: WU2522-5
Client ID: C03V-16EF-06-0804
SDG: WU2522
Extracted by: AZ
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9252
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260		190	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		95%				
2051-24-3	Decachlorobiphenyl		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/17/04
Analysis Date: 08/17/04
Report Date: 08/18/2004
Matrix: SOIL
% Solids: 78.4

Lab ID: WU2522-6
Client ID: C03V-16EF-12-0804
SDG: WU2522
Extracted by: AZ
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9252
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	22	1.0	17	22	13
11104-28-2	Aroclor-1221	U	22	1.0	17	22	10
11141-16-5	Aroclor-1232	U	22	1.0	17	22	6.7
53469-21-9	Aroclor-1242	U	22	1.0	17	22	8.6
12672-29-6	Aroclor-1248	U	22	1.0	17	22	10
11097-69-1	Aroclor-1254		290	1.0	17	22	6.0
11096-82-5	Aroclor-1260		320	1.0	17	22	11
877-09-8	Tetrachloro-m-xylene		94%				
2051-24-3	Decachlorobiphenyl		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/17/04
Analysis Date: 08/17/04
Report Date: 08/18/2004
Matrix: SOIL
% Solids: 73.5

Lab ID: WU2522-7
Client ID: C03V-16EF-24-0804
SDG: WU2522
Extracted by: AZ
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9252
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	23	1.0	17	23	14
11104-28-2	Aroclor-1221	U	23	1.0	17	23	11
11141-16-5	Aroclor-1232	U	23	1.0	17	23	7.2
53469-21-9	Aroclor-1242	U	23	1.0	17	23	9.2
12672-29-6	Aroclor-1248	U	23	1.0	17	23	11
11097-69-1	Aroclor-1254	U	23	1.0	17	23	6.4
11096-82-5	Aroclor-1260		62	1.0	17	23	12
877-09-8	Tetrachloro-m-xylene		89%				
2051-24-3	Decachlorobiphenyl		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/17/04
Analysis Date: 08/17/04
Report Date: 08/18/2004
Matrix: SOIL
% Solids: 85.3

Lab ID: WU2522-8
Client ID: C03V-DUP07-0804
SDG: WU2522
Extracted by: AZ
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9252
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	20	1.0	17	20	12
11104-28-2	Aroclor-1221	U	20	1.0	17	20	9.6
11141-16-5	Aroclor-1232	U	20	1.0	17	20	6.2
53469-21-9	Aroclor-1242	U	20	1.0	17	20	7.9
12672-29-6	Aroclor-1248	U	20	1.0	17	20	9.7
11097-69-1	Aroclor-1254	U	20	1.0	17	20	5.5
11096-82-5	Aroclor-1260		2200	1.0	17	20	10
877-09-8	Tetrachloro-m-xylene		*114%				
2051-24-3	Decachlorobiphenyl		*117%				

APPENDIX C

SUPPORT DOCUMENTATION

FIELD DUPLICATE PRECISION

ANALYTE	C03V-12EF-24-0804	QUAL	C03V-DUP07-0804	QUAL	RPD	DIFFERENCE
Aroclor-1260	1700		2200		25.64	500

HOLDTIME

SDG WU2522

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-16EF-06-0804	WU2522-005	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-10F-72-0804	WU2522-001	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-DUP07-0804	WU2522-008	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-16EF-12-0804	WU2522-006	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-12EF-24-0804	WU2522-004	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-12EF-12-0804	WU2522-003	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-12EF-06-0804	WU2522-002	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-16EF-24-0804	WU2522-007	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-10F-72-0804	WU2522-001	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-16EF-24-0804	WU2522-007	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-16EF-12-0804	WU2522-006	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-16EF-06-0804	WU2522-005	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-12EF-24-0804	WU2522-004	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-12EF-06-0804	WU2522-002	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-DUP07-0804	WU2522-008	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-12EF-12-0804	WU2522-003	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
TS	%	C03V-16EF-12-0804	WU2522-6	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-10F-72-0804	WU2522-1	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-16EF-06-0804	WU2522-5	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-DUP07-0804	WU2522-8	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-12EF-24-0804	WU2522-4	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-16EF-24-0804	WU2522-7	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-12EF-12-0804	WU2522-3	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-12EF-06-0804	WU2522-2	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
PCB	%	C03V-16EF-06-0804	WU2522-5	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-10F-72-0804	WU2522-1	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-12EF-06-0804	WU2522-2	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-12EF-24-0804	WU2522-4	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-16EF-12-0804	WU2522-6	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-16EF-24-0804	WU2522-7	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-DUP07-0804	WU2522-8	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-12EF-12-0804	WU2522-3	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-10F-72-0804	WU2522-1	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-12EF-06-0804	WU2522-2	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-12EF-12-0804	WU2522-3	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-12EF-24-0804	WU2522-4	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-16EF-06-0804	WU2522-5	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-16EF-12-0804	WU2522-6	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-16EF-24-0804	WU2522-7	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-DUP07-0804	WU2522-8	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2522

Sample Receipt

The following samples were received on August 17, 2004 and were logged in under Katahdin Analytical Services work order number WU2522 for a hardcopy due date of September 12, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2522-1	C03V-10F-72-0804
WU2522-2	C03V-12EF-06-0804
WU2522-3	C03V-12EF-12-0804
WU2522-4	C03V-12EF-24-0804
WU2522-5	C03V-16EF-06-0804
WU2522-6	C03V-16EF-12-0804
WU2522-7	C03V-16EF-24-0804
WU2522-8	C03V-DUP07-0804

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 Analysis

The samples of Work Order WU2522 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

Sample WU2522-4 had high recoveries for the extraction surrogates TCX and DCB on channel B, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX and DCB were within the acceptance limits on channel A, the sample was not reanalyzed.

Sample WU2522-2 and the matrix spike duplicate, WG9252-4, had high recoveries for the extraction surrogate TCX on channel B, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX were within the acceptance limits on channel A and DCB on both channels, the samples were not reanalyzed.

Sample WU2522-8 had high recoveries for the extraction surrogates DCB, on both channels, and TCX on channel A, which were outside of the laboratory established acceptance limits. Since the recovery for TCX was within the acceptance limits on channel A, the sample was not reanalyzed.

The calibration verification standards (CV) (files 6UH4002 and 6UH4027) had high responses for TCX on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The closing CV (file 6UH4042) had high responses for TCX on channel B and DCB on both channels, which resulted in %D's that were above the method acceptance limit of 15%.

The CVs (files 6UH3005 and 6UH3030) had low responses for Aroclor 1254 on channel A, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel B were acceptable, the associated samples were not reanalyzed.

The matrix spike duplicate, WG9252-4, had high recoveries for the spiked analytes Aroclor 1016 and Aroclor 1260, which were outside of the laboratory established acceptance limits. Since the matrix spike sample, WG9252-3, as well as the associated LCS had acceptable recoveries, the associated samples were not reanalyzed.

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

Metals Analysis

The samples of Katahdin Work Order WU2522 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. WU2522-(1-8) were digested for ICP analysis on 08/18/04 (QC Batch UH18ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2522-1 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.174 mg/L, corresponding to a dry-weight concentration of 17.4 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken. The measured lead concentration (0.0746 mg/L, corresponding to a dry-weight concentration of

0.746 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. The client was notified of this problem and directed the laboratory to report all associated lead results without taking corrective action.

ICP analyses of Work Order WU2522 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2522-(1-8) were digested for mercury analysis on 08/18/04 (QC Batch UH18HGS0) in accordance with USEPA Method 7471A. Katahdin Sample No. WU2522-1 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin Work Order WU2522 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for copper (129.9%), mercury (70.8%), sodium (133.4%), and zinc (206.1%) in the matrix-spike aliquot of Katahdin Sample No. WU2522-4 are outside the laboratory's acceptance limits. The recoveries for copper (154.8%), lead (185.4%), mercury (68.3%), and zinc (262.3%) in the matrix-spike duplicate aliquot of Katahdin Sample No. WU2522-4 are outside the laboratory's acceptance limits. The recoveries for all other elements in these matrix-spiked aliquots 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).

The matrix-spike duplicate analysis of Katahdin Sample No. WU2522-4 for lead (23.4% RPD) exceeds the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample No. WU2522-4 exceeds the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for chromium (14.8% RPD).

Wet Chemistry Analysis

The samples of Katahdin Work Order WU2522 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

Maria Crouch
08.26.04
Maria Crouch
Quality Assurance Officer

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # LU2523, LU2523

PAGE: 1 OF 1

COOLER: 1 OF 1

CLIENT: Tetra Tech

COC#
SDG#
DATE / TIME RECEIVED: 8/17/04 0910
DELIVERED BY: FedEx
RECEIVED BY:
LIMS ENTRY BY:
LIMS REVIEW BY / PM: AMC

PROJECT: NAS Key West CTO 351

	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)= 4.2	
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.

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Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech NUS	Chuck Bryan	(803) 649-7963	(803) 642-8454

Address: 900 Trail Ridge Road City: Aiken State: SC Zip Code: 29803

Purchase Order # Proj. Name / No. Katahdin Quote #

Bill (if different than above) Address

Sampler (Print / Sign): Shonda C. Sumpter Copies To:

LAB USE ONLY WORK ORDER #: WU2522

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL Metals (Filt. ☐Y ☐N)	TCL PCB (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
	C03V-10F-72-0804	16 Aug 04 / 1458	SO	3	X	X								
	C03V-12EF-06-0804	/ 1429	SO	1	X	X								
	C03V-12EF-12-0804	/ 1431												
	C03V-12EF-24-0804	/ 1434												
	C03V-16EF-06-0804	/ 1437												
	C03V-16EF-12-0804	/ 1439												
	C03V-16EF-24-0804	/ 1440												
	C03V-DUP07-0804	/ —												
		/												
		/												
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS

24 hour turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Shonda C. Sumpter	16 Aug 04 1638	Samuel Fitt	8/17/04 0910		
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

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG9252-BLANK	WG9252-1	79	91	88	99			0
02	WG9252-LCS	WG9252-2	81	92	94	103			0
03	C03V-10F-72-0804	WU2522-1	87	97	84	92			0
04	C03V-12EF-06-0804	WU2522-2	91	104*	96	104			1
05	C03V-12EF-12-0804	WU2522-3	82	94	92	102			0
06	C03V-12EF-24-0804	WU2522-4	102	116*	107	116*			2
07	C03V-16EF-06-0804	WU2522-5	85	95	88	98			0
08	C03V-16EF-12-0804	WU2522-6	84	94	86	92			0
09	C03V-16EF-24-0804	WU2522-7	78	89	81	86			0
10	C03V-DUP07-0804	WU2522-8	102	114*	108*	117*			3
11	C03V-10F-72-0804MS	WG9252-3	93	101	90	98			0
12	C03V-10F-72-0804MSD	WG9252-4	102	108*	96	102			1
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG9252-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Lab Sample ID: WG9252-1 Lab File ID: 6UH3015

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW846 3550

Sulfur Cleanup: (Y/N) N Date Extracted: 08/17/04

Date Analyzed (1): 08/17/04 Date Analyzed (2): 08/17/04

Time Analyzed (1): 1827 Time Analyzed (2): 1827

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): RTX-5 ID: 0.53(mm) GC Column (2): RTX-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG9252-LCS	WG9252-2	6UH3016	08/17/04	08/17/04
02	C03V-10F-72-0804	WU2522-1	6UH3019	08/17/04	08/17/04
03	C03V-12EF-06-0804	WU2522-2	6UH3020	08/17/04	08/17/04
04	C03V-12EF-12-0804	WU2522-3	6UH3021	08/17/04	08/17/04
05	C03V-12EF-24-0804	WU2522-4	6UH3022	08/17/04	08/17/04
06	C03V-16EF-06-0804	WU2522-5	6UH3023	08/17/04	08/17/04
07	C03V-16EF-12-0804	WU2522-6	6UH3024	08/17/04	08/17/04
08	C03V-16EF-24-0804	WU2522-7	6UH3025	08/17/04	08/17/04
09	C03V-DUP07-0804	WU2522-8	6UH3026	08/17/04	08/17/04
10	C03V-10F-72-0804MS	WG9252-3	6UH3040	08/18/04	08/18/04
11	C03V-10F-72-0804MSD	WG9252-4	6UH3041	08/18/04	08/18/04
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/17/04
Analysis Date: 08/17/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 100

Lab ID: WG9252-1
Client ID: WG9252-Blank
SDG: WU2522
Extracted by: AZ
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9252
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	10
11104-28-2	Aroclor-1221	U	17	1.0	17	17	8.2
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	8.2
11097-69-1	Aroclor-1254	U	17	1.0	17	17	4.7
11096-82-5	Aroclor-1260	U	17	1.0	17	17	8.6
877-09-8	Tetrachloro-m-xylene		91%				
2051-24-3	Decachlorobiphenyl		99%				

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.13 DCB: 20.57

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	7.14	20.58
02	ICAL	AR1660 0.05P	01/30/04	1712	7.13	20.58
03	ICAL	AR1660 0.10P	01/30/04	1741	7.14	20.58
04	ICAL	AR1660 0.25P	01/30/04	1809	7.13	20.58
05	ICAL	AR1660 2.5PP	01/30/04	1838	7.13	20.57
06	ICAL	AR1660 10PPM	01/30/04	1906	7.13	20.57
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1248 1.0PP	01/30/04	2322		
11	ICAL	AR1254 1.0PP	01/31/04	0212		
12	ICAL	AR1254 0.05P	01/31/04	0241		
13	ICAL	AR1254 0.10P	01/31/04	0309		
14	ICAL	AR1254 0.25P	01/31/04	0338		
15	ICAL	AR1254 2.5PP	01/31/04	0406		
16	ICAL	AR1254 10PPM	01/31/04	0434		
17	ICAL	AR1221 1.0PP	01/31/04	0503		
18	ICAL	AR1232 1.0PP	01/31/04	0531		
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:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.90 DCB: 20.27

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/17/04	1048	6.91	20.30
02	CV	AR1254 1.0PP	08/17/04	1213		
03	WG9252-BLANK	WG9252-1	08/17/04	1827	6.90	20.29
04	WG9252-LCS	WG9252-2	08/17/04	1855	6.90	20.28
05	C03V-10F-72-	WU2522-1	08/17/04	2020	6.90	20.28
06	C03V-12EF-06	WU2522-2	08/17/04	2049	6.90	20.28
07	C03V-12EF-12	WU2522-3	08/17/04	2117	6.90	20.29
08	C03V-12EF-24	WU2522-4	08/17/04	2146	6.90	20.28
09	C03V-16EF-06	WU2522-5	08/17/04	2214	6.90	20.29
10	C03V-16EF-12	WU2522-6	08/17/04	2242	6.90	20.28
11	C03V-16EF-24	WU2522-7	08/17/04	2311	6.90	20.28
12	C03V-DUP07-0	WU2522-8	08/17/04	2339	6.90	20.28
13	CV	AR1660 1.0PP	08/18/04	0008	6.90	20.29
14	CV	AR1254 1.0PP	08/18/04	0133		
15	C03V-10F-72-	WG9252-3	08/18/04	0617	6.90	20.27
16	C03V-10F-72-	WG9252-4	08/18/04	0646	6.90	20.27
17	CV	AR1660 1.0PP	08/18/04	0714	6.90	20.27
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:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 01/31/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.97 DCB: 21.01

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	01/30/04	1644	6.94	20.99
02	ICAL	AR1660 0.05P	01/30/04	1712	6.94	20.99
03	ICAL	AR1660 0.10P	01/30/04	1741	6.95	20.99
04	ICAL	AR1660 0.25P	01/30/04	1809	6.94	20.99
05	ICAL	AR1660 2.5PP	01/30/04	1838	6.94	20.99
06	ICAL	AR1660 10PPM	01/30/04	1906	6.94	20.99
07	INDSOURCE	AR1016 1.0PP	01/30/04	1935		
08	INDSOURCE	AR1260 1.0PP	01/30/04	2003		
09	ICAL	AR1242 1.0PP	01/30/04	2032		
10	ICAL	AR1248 1.0PP	01/30/04	2322		
11	ICAL	AR1254 1.0PP	01/31/04	0212		
12	ICAL	AR1254 0.05P	01/31/04	0241		
13	ICAL	AR1254 0.10P	01/31/04	0309		
14	ICAL	AR1254 0.25P	01/31/04	0338		
15	ICAL	AR1254 2.5PP	01/31/04	0406		
16	ICAL	AR1254 10PPM	01/31/04	0434		
17	ICAL	AR1221 1.0PP	01/31/04	0503		
18	ICAL	AR1232 1.0PP	01/31/04	0531		
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:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/04 02/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.71 DCB: 20.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/17/04	1048	6.72	20.70
02	CV	AR1254 1.0PP	08/17/04	1213		
03	WG9252-BLANK	WG9252-1	08/17/04	1827	6.71	20.69
04	WG9252-LCS	WG9252-2	08/17/04	1855	6.71	20.69
05	C03V-10F-72-	WU2522-1	08/17/04	2020	6.71	20.69
06	C03V-12EF-06	WU2522-2	08/17/04	2049	6.71	20.69
07	C03V-12EF-12	WU2522-3	08/17/04	2117	6.71	20.70
08	C03V-12EF-24	WU2522-4	08/17/04	2146	6.71	20.69
09	C03V-16EF-06	WU2522-5	08/17/04	2214	6.71	20.70
10	C03V-16EF-12	WU2522-6	08/17/04	2242	6.71	20.69
11	C03V-16EF-24	WU2522-7	08/17/04	2311	6.71	20.69
12	C03V-DUP07-0	WU2522-8	08/17/04	2339	6.71	20.69
13	CV	AR1660 1.0PP	08/18/04	0008	6.71	20.69
14	CV	AR1254 1.0PP	08/18/04	0133		
15	C03V-10F-72-	WG9252-3	08/18/04	0617	6.71	20.71
16	C03V-10F-72-	WG9252-4	08/18/04	0646	6.71	20.71
17	CV	AR1660 1.0PP	08/18/04	0714	6.71	20.70
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 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-10F
-72-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2522

Lab Sample ID: WU2522-1 Date(s) Analyzed: 08/17/04 08/17/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.70	15.62	15.76	27.4		
Aroclor-1260	2	16.24	16.16	16.30	26.6		
	3	16.82	16.74	16.88	36.3		
COLUMN 1	4	17.49	17.42	17.56	11.1		
	5	18.84	18.76	18.90	22.5	24.8	
	1	15.85	15.78	15.92	49.1		
	2	16.75	16.69	16.83	40.3		
	3	17.15	17.09	17.23	40.6		
COLUMN 2	4	18.11	18.05	18.19	18.3		
	5	19.26	19.18	19.32	57.1	41.1	39.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-12E
F-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2522

Lab Sample ID: WU2522-2 Date(s) Analyzed: 08/17/04 08/17/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.70	15.62	15.76	107		
Aroclor-1260	2	16.24	16.16	16.30	86.3		
	3	16.83	16.74	16.88	121		
COLUMN 1	4	17.50	17.42	17.56	134		
	5	18.84	18.76	18.90	123	114	
	1	15.85	15.78	15.92	164		
	2	16.76	16.69	16.83	142		
	3	17.15	17.09	17.23	143		
COLUMN 2	4	18.11	18.05	18.19	155		
	5	19.25	19.18	19.32	156	152	25.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-12E
F-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2522

Lab Sample ID: WU2522-4 Date(s) Analyzed: 08/17/04 08/17/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.70	15.62	15.76	1640		
Aroclor-1260	2	16.24	16.16	16.30	1350		
	3	16.82	16.74	16.88	1650		
COLUMN 1	4	17.50	17.42	17.56	1850		
	5	18.84	18.76	18.90	1910	1680	
	1	15.85	15.78	15.92	716		
	2	16.76	16.69	16.83	1600		
	3	17.15	17.09	17.23	1790		
COLUMN 2	4	18.11	18.05	18.19	2090		
	5	19.24	19.18	19.32	2040	1650	1.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-16E
F-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2522

Lab Sample ID: WU2522-5 Date(s) Analyzed: 08/17/04 08/17/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.70	15.62	15.76	118		
Aroclor-1260	2	16.24	16.16	16.30	98.0		
	3	16.83	16.74	16.88	118		
COLUMN 1	4	17.50	17.42	17.56	127		
	5	18.84	18.76	18.90	162	124	
	1	15.85	15.78	15.92	259		
	2	16.76	16.69	16.83	177		
	3	17.15	17.09	17.23	141		
COLUMN 2	4	18.12	18.05	18.19	176		
	5	19.25	19.18	19.32	191	189	34.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-16E
F-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2522

Lab Sample ID: WU2522-6 Date(s) Analyzed: 08/17/04 08/17/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	12.76	12.68	12.82	180		
Aroclor-1254	2	13.40	13.32	13.46	246		
	3	13.62	13.55	13.69	369		
COLUMN 1	4	14.18	14.11	14.25	352		
	5					287	
	1	13.51	13.44	13.58	132		
	2	13.79	13.72	13.86	219		
	3	13.94	13.88	14.02	263		
COLUMN 2	4						
	5					205	28.6
	1	15.70	15.62	15.76	241		
Aroclor-1260	2	16.24	16.16	16.30	270		
	3	16.82	16.74	16.88	256		
COLUMN 1	4	17.50	17.42	17.56	309		
	5	18.84	18.76	18.90	239	263	
	1	17.15	17.09	17.23	306		
	2	18.11	18.05	18.19	347		
	3	19.25	19.18	19.32	306		
COLUMN 2	4						
	5					319	17.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-16E
F-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2522

Lab Sample ID: WU2522-7 Date(s) Analyzed: 08/17/04 08/17/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.70	15.62	15.76	24.9		
Aroclor-1260	2	16.24	16.16	16.30	24.7		
	3	16.83	16.74	16.88	33.7		
COLUMN 1	4	17.50	17.42	17.56	39.7		
	5	18.84	18.76	18.90	58.7	36.3	
	1	16.76	16.69	16.83	76.1		
	2	17.15	17.09	17.23	39.6		
	3	18.11	18.05	18.19	63.0		
COLUMN 2	4	19.25	19.18	19.32	68.1		
	5					61.7	41.2
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-DUP07-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2522

Lab Sample ID: WU2522-8 Date(s) Analyzed: 08/17/04 08/17/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.69	15.62	15.76	2180		
Aroclor-1260	2	16.23	16.16	16.30	1740		
	3	16.81	16.74	16.88	2110		
COLUMN 1	4	17.49	17.42	17.56	2350		
	5	18.84	18.76	18.90	2550	2180	
	1	15.85	15.78	15.92	1040		
	2	16.75	16.69	16.83	2240		
	3	17.15	17.09	17.23	2360		
COLUMN 2	4	18.11	18.05	18.19	2800		
	5	19.24	19.18	19.32	2810	2250	3.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date(s): 01/30/04 01/31/04

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 1644 0531

LAB FILE ID: RF0.05: 6UA3224 RF0.1: 6UA3225 RF0.25: 6UA3226
RF1: 6UA3230 RF2.5: 6UA3227 RF10: 6UA3228

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	1488	2933	6476	20911	50122	158460	2ORDR	-1.73e-002	4.457e-005	1.177e-010	0.99997	0.99000	
(2)	3590	6920	14786	46465	109540	348280	2ORDR	-2.69e-002	2.051e-005	2.378e-011	0.99997	0.99000	
(3)	1964	3840	8329	25896	62739	200740	2ORDR	-2.21e-002	3.61e-005	6.886e-011	0.99995	0.99000	
(4)	1156	2312	5145	17041	42764	141500	2ORDR	-9.54e-003	5.418e-005	1.17e-010	0.99995	0.99000	
(5)	1309	2506	5287	16906	37281	116290	2ORDR	-3.67e-002	5.865e-005	2.38e-010	0.99996	0.99000	
Aroclor-1221				4615			2ORDR	0.00000000	2.167e-004	0.00000000	1.00000	0.99000	<
(2)				11045			2ORDR	0.00000000	9.054e-005	0.00000000	1.00000	0.99000	<
(3)				8096			2ORDR	0.00000000	1.235e-004	0.00000000	1.00000	0.99000	<
(4)				24183			2ORDR	0.00000000	4.135e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232				21056			2ORDR	0.00000000	4.749e-005	0.00000000	1.00000	0.99000	<
(2)				10320			2ORDR	0.00000000	9.69e-005	0.00000000	1.00000	0.99000	<
(3)				22658			2ORDR	0.00000000	4.413e-005	0.00000000	1.00000	0.99000	<
(4)				13099			2ORDR	0.00000000	7.634e-005	0.00000000	1.00000	0.99000	<
(5)				8385			2ORDR	0.00000000	1.193e-004	0.00000000	1.00000	0.99000	<
Aroclor-1242	1737	2717	6394	21036	44724	138490	2ORDR	-3.73e-002	4.805e-005	1.765e-010	0.99992	0.99000	
(2)	1399	2228	5421	18848	41471	129900	2ORDR	-2.36e-002	5.245e-005	1.904e-010	0.99997	0.99000	
(3)	3321	5186	12070	40698	90743	282900	2ORDR	-2.68e-002	2.403e-005	4.036e-011	0.99998	0.99000	
(4)	1840	2866	6834	23329	51926	163250	2ORDR	-2.55e-002	4.221e-005	1.177e-010	0.99998	0.99000	
(5)	1095	1686	4159	15059	35050	114690	2ORDR	-1.35e-002	6.467e-005	1.974e-010	1.00000	0.99000	
Aroclor-1248	1802	3282	7704	25659	55832	185500	2ORDR	-3.7e-002	4.076e-005	7.204e-011	0.99991	0.99000	
(2)	1507	2800	6736	23406	52033	178150	2ORDR	-2.92e-002	4.458e-005	6.582e-011	0.99994	0.99000	
(3)	2130	3885	8984	30135	65638	221970	2ORDR	-3.86e-002	3.508e-005	4.574e-011	0.99990	0.99000	
(4)	2285	4098	9538	32533	70944	240900	2ORDR	-3.67e-002	3.252e-005	3.801e-011	0.99991	0.99000	
(5)	1553	2920	7030	25178	56948	198880	2ORDR	-2.4e-002	4.124e-005	4.61e-011	0.99995	0.99000	
Aroclor-1254	3073	5810	13983	41152	97891	303840	2ORDR	-2.36e-002	2.251e-005	3.448e-011	0.99994	0.99000	
(2)	1592	3133	8127	25632	63816	204560	2ORDR	-6.21e-003	3.54e-005	6.606e-011	0.99994	0.99000	
(3)	3031	5795	14674	45296	111430	353080	2ORDR	-1.11e-002	2.011e-005	2.334e-011	0.99994	0.99000	
(4)	2625	5000	12615	38453	94434	297880	2ORDR	-1.25e-002	2.366e-005	3.34e-011	0.99994	0.99000	
(5)	1329	2603	6673	19864	47648	147970	2ORDR	-1.68e-002	4.616e-005	1.455e-010	0.99994	0.99000	
Aroclor-1260	1756	3478	7533	24884	57806	193210	2ORDR	-2.84e-002	4.004e-005	6.143e-011	0.99998	0.99000	
(2)	1632	3251	7165	24706	58761	200890	2ORDR	-1.98e-002	3.994e-005	4.948e-011	0.99999	0.99000	
(3)	3703	7308	15981	55751	132930	463160	2ORDR	-2.03e-002	1.785e-005	8.179e-012	0.99999	0.99000	
(4)	1802	3648	8288	29428	71213	247380	2ORDR	-1.29e-002	3.323e-005	2.929e-011	0.99999	0.99000	
(5)	940	1996	4608	16501	39296	135760	2ORDR	-1.32e-002	5.983e-005	1.026e-010	0.99999	0.99000	
Tetrachloro-m-xylene	1046	2133	4944	19038	47892	163420	2ORDR	1.061e-004	9.772e-007	1.504e-012	0.99998	0.99000	
Decachlorobiphenyl	998	2047	4723	16129	36702	118840	2ORDR	-4.25e-004	1.224e-006	3.893e-012	0.99998	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date(s): 01/30/04 01/31/04

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 1644 0531

LAB FILE ID: RF0.05: 6UA4224 RF0.1: 6UA4225 RF0.25: 6UA4226
RF1: 6UA4230 RF2.5: 6UA4227 RF10: 6UA4228

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	3610	6995	14898	47378	104100	317680	2ORDR	-3.42e-002	2.057e-005	3.47e-011	0.99996	0.99000	
(2)	1582	3229	7115	24299	53242	166260	2ORDR	-2.64e-002	4.076e-005	1.176e-010	0.99996	0.99000	
(3)	5804	11157	23571	77152	172980	549660	2ORDR	-3.28e-002	1.285e-005	9.826e-012	0.99997	0.99000	
(4)	2561	5042	10881	36551	79398	250640	2ORDR	-3.33e-002	2.761e-005	4.961e-011	0.99994	0.99000	
(5)	1830	3694	8189	29026	64714	210850	2ORDR	-2.39e-002	3.472e-005	6.083e-011	0.99997	0.99000	
Aroclor-1221				18117			2ORDR	0.00000000	5.52e-005	0.00000000	1.00000	0.99000	<
(2)				12525			2ORDR	0.00000000	7.984e-005	0.00000000	1.00000	0.99000	<
(3)				35803			2ORDR	0.00000000	2.793e-005	0.00000000	1.00000	0.99000	<
(4)				9964			2ORDR	0.00000000	1.004e-004	0.00000000	1.00000	0.99000	<
Aroclor-1232				32462			2ORDR	0.00000000	3.081e-005	0.00000000	1.00000	0.99000	<
(2)				24871			2ORDR	0.00000000	4.021e-005	0.00000000	1.00000	0.99000	<
(3)				11524			2ORDR	0.00000000	8.678e-005	0.00000000	1.00000	0.99000	<
(4)				17040			2ORDR	0.00000000	5.869e-005	0.00000000	1.00000	0.99000	<
(5)				10301			2ORDR	0.00000000	9.708e-005	0.00000000	1.00000	0.99000	<
Aroclor-1242	3493	5404	12566	40712	88205	263660	2ORDR	-3.13e-002	2.368e-005	5.452e-011	0.99997	0.99000	
(2)	5329	8512	19813	64936	144840	450280	2ORDR	-2.92e-002	1.504e-005	1.607e-011	0.99998	0.99000	
(3)	2338	3791	9090	30157	66750	205080	2ORDR	-2.57e-002	3.217e-005	8.153e-011	0.99998	0.99000	
(4)	1588	2584	6263	20362	44309	133910	2ORDR	-2.83e-002	4.757e-005	2.041e-010	0.99997	0.99000	
(5)	2240	3634	8812	29622	65876	207230	2ORDR	-2.58e-002	3.327e-005	7.292e-011	0.99997	0.99000	
Aroclor-1248	2917	5411	12400	40574	87498	287290	2ORDR	-4.06e-002	2.579e-005	3.19e-011	0.99990	0.99000	
(2)	1737	3206	7567	25496	55554	181200	2ORDR	-3.27e-002	4.039e-005	8.27e-011	0.99993	0.99000	
(3)	3533	6470	14944	49708	108240	362410	2ORDR	-3.86e-002	2.115e-005	1.81e-011	0.99991	0.99000	
(4)	2850	5218	12144	40487	88480	295580	2ORDR	-3.7e-002	2.584e-005	2.749e-011	0.99992	0.99000	
(5)	2389	4425	10627	37001	82579	282820	2ORDR	-2.84e-002	2.812e-005	2.599e-011	0.99994	0.99000	
Aroclor-1254	1187	2287	5849	17543	41144	122750	2ORDR	-1.52e-002	5.129e-005	2.468e-010	0.99995	0.99000	
(2)	1382	2656	6720	20097	47304	141510	2ORDR	-1.58e-002	4.479e-005	1.836e-010	0.99995	0.99000	
(3)	2460	4693	11925	36509	90031	278210	2ORDR	-8.25e-003	2.439e-005	4.163e-011	0.99992	0.99000	
(4)	4771	8917	22286	67324	164730	516180	2ORDR	-1.43e-002	1.35e-005	1.143e-011	0.99993	0.99000	
(5)	3592	6828	17008	50941	123010	384390	2ORDR	-1.75e-002	1.801e-005	2.094e-011	0.99994	0.99000	
Aroclor-1260	3679	7204	15597	52127	124000	412290	2ORDR	-2.19e-002	1.865e-005	1.372e-011	0.99998	0.99000	
(2)	2832	5573	12168	40674	95807	317640	2ORDR	-2.3e-002	2.405e-005	2.362e-011	0.99998	0.99000	
(3)	5897	11469	24827	84341	202420	703050	2ORDR	-2.25e-002	1.173e-005	3.589e-012	0.99998	0.99000	
(4)	3310	6581	14544	49802	118380	401510	2ORDR	-1.99e-002	1.973e-005	1.301e-011	0.99999	0.99000	
(5)	1497	3024	6912	23843	56334	189580	2ORDR	-1.76e-002	4.116e-005	6.161e-011	0.99999	0.99000	
Tetrachloro-m-xylene	2649	4261	10472	35795	85539	280350	2ORDR	-2.83e-004	5.341e-007	6.431e-013	0.99999	0.99000	
Decachlorobiphenyl	1373	2834	6390	21448	48833	153540	2ORDR	-4.12e-004	9.004e-007	2.637e-012	0.99998	0.99000	

FORM VI SV

Report Date: 17-Mar-2004 14:42

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06UC16A1.b\PCBA024B.M
Start Cal Date: 30-JAN-2004 16:44
End Cal Date : 20-FEB-2004 21:29
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
20-FEB-2004 19:35	AR1232	6UB3035.d
20-FEB-2004 16:45	AR1221	6UB3029.d
31-JAN-2004 02:41	ar1254	6UA3224.d
30-JAN-2004 23:50	AR1248	6UA3218.d
30-JAN-2004 21:00	AR1242	6UA3212.d
30-JAN-2004 17:12	AR1660	6UA3204.d
Cal Level: 2 , Cal Amount: 0.10000		
20-FEB-2004 20:03	AR1232	6UB3036.d
31-JAN-2004 03:09	ar1254	6UA3225.d
31-JAN-2004 00:19	AR1248	6UA3219.d
30-JAN-2004 21:28	AR1242	6UA3213.d
30-JAN-2004 17:41	AR1660	6UA3205.d
Cal Level: 3 , Cal Amount: 0.25000		
20-FEB-2004 20:32	AR1232	6UB3037.d
20-FEB-2004 17:41	AR1221	6UB3031.d
31-JAN-2004 03:38	ar1254	6UA3226.d
31-JAN-2004 00:47	AR1248	6UA3220.d
30-JAN-2004 21:57	AR1242	6UA3214.d
30-JAN-2004 18:09	AR1660	6UA3206.d
Cal Level: 4 , Cal Amount: 1.00000		
20-FEB-2004 19:06	AR1232	6UB3034.d
20-FEB-2004 16:16	AR1221	6UB3028.d
31-JAN-2004 02:12	ar1254	6UA3223.d
30-JAN-2004 23:22	AR1248	6UA3217.d
30-JAN-2004 20:32	AR1242	6UA3211.d
30-JAN-2004 16:44	AR1660	6UA3203.d
Cal Level: 5 , Cal Amount: 2.50000		
20-FEB-2004 21:00	AR1232	6UB3038.d
20-FEB-2004 18:10	AR1221	6UB3032.d
31-JAN-2004 04:06	ar1254	6UA3227.d
31-JAN-2004 01:16	AR1248	6UA3221.d
30-JAN-2004 22:25	AR1242	6UA3215.d

30-JAN-2004 18:38	AR1660	6UA3207.d

Cal Level: 6 , Cal Amount: 10.00000		
20-FEB-2004 21:29	AR1232	6UB3039.d
20-FEB-2004 18:38	AR1221	6UB3033.d
31-JAN-2004 04:34	ar1254	6UA3228.d
31-JAN-2004 01:44	AR1248	6UA3222.d
30-JAN-2004 22:54	AR1242	6UA3216.d
30-JAN-2004 19:06	AR1660	6UA3208.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

17-MAR-2004 02:10	AR1254	6UC1125.d
17-MAR-2004 01:41	AR1248	6UC1124.d
17-MAR-2004 01:13	AR1242	6UC1123.d
17-MAR-2004 00:45	AR1660	6UC1122.d
16-MAR-2004 23:48	AR1254	6UC1120.d
16-MAR-2004 23:19	AR1248	6UC1119.d
16-MAR-2004 22:51	AR1242	6UC1118.d
16-MAR-2004 22:23	AR1660	6UC1117.d
17-MAR-2004 02:10	ar1660	6UC2125.d
17-MAR-2004 01:41	ar1660	6UC2124.d
17-MAR-2004 01:13	ar1660	6UC2123.d
17-MAR-2004 00:45	ar1660	6UC2122.d
16-MAR-2004 23:48	ar1660	6UC2120.d
16-MAR-2004 23:19	ar1660	6UC2119.d
16-MAR-2004 22:51	ar1660	6UC2118.d
16-MAR-2004 22:23	ar1660	6UC2117.d
16-MAR-2004 12:26	AR1254	6UC1096.d
16-MAR-2004 11:57	AR1248	6UC1095.d
16-MAR-2004 12:26	ar1660	6UC2096.d
16-MAR-2004 11:57	ar1660	6UC2095.d
16-MAR-2004 11:27	AR1242	6UC1094.d
16-MAR-2004 11:27	ar1660	6UC2094.d
16-MAR-2004 10:58	AR1660	6UC1093.d
16-MAR-2004 10:58	ar1660	6UC2093.d
16-MAR-2004 10:30	ar1660	6UC2092.d
16-MAR-2004 10:30	ar1660	6UC1092.d

Report Date: 17-Mar-2004 14:42

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06UC16B1.B\PCBB024B.M
Start Cal Date: 30-JAN-2004 16:44
End Cal Date : 20-FEB-2004 21:29
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
20-FEB-2004 19:35	AR1232	6UB4035.d
20-FEB-2004 16:45	AR1221	6UB4029.d
31-JAN-2004 02:41	AR1254	6UA4224.d
30-JAN-2004 23:50	AR1248	6UA4218.d
30-JAN-2004 21:00	AR1242	6UA4212.d
30-JAN-2004 17:12	AR1660	6UA4204.d
Cal Level: 2 , Cal Amount: 0.10000		
20-FEB-2004 20:03	AR1232	6UB4036.d
20-FEB-2004 17:13	AR1221	6UB4030.d
31-JAN-2004 03:09	AR1254	6UA4225.d
31-JAN-2004 00:19	AR1248	6UA4219.d
30-JAN-2004 21:28	AR1242	6UA4213.d
30-JAN-2004 17:41	AR1660	6UA4205.d
Cal Level: 3 , Cal Amount: 0.25000		
20-FEB-2004 20:32	AR1232	6UB4037.d
20-FEB-2004 17:41	AR1221	6UB4031.d
31-JAN-2004 03:38	AR1254	6UA4226.d
31-JAN-2004 00:47	AR1248	6UA4220.d
30-JAN-2004 21:57	AR1242	6UA4214.d
30-JAN-2004 18:09	AR1660	6UA4206.d
Cal Level: 4 , Cal Amount: 1.00000		
20-FEB-2004 19:06	AR1232	6UB4034.d
20-FEB-2004 16:16	AR1221	6UB4028.d
31-JAN-2004 02:12	AR1254	6UA4223.d
30-JAN-2004 23:22	AR1248	6UA4217.d
30-JAN-2004 20:32	AR1242	6UA4211.d
30-JAN-2004 16:44	AR1660	6UA4203.d
Cal Level: 5 , Cal Amount: 2.50000		
20-FEB-2004 21:00	AR1232	6UB4038.d
20-FEB-2004 18:10	AR1221	6UB4032.d
31-JAN-2004 04:06	AR1254	6UA4227.d
31-JAN-2004 01:16	AR1248	6UA4221.d

30-JAN-2004 22:25	AR1242	6UA4215.d
30-JAN-2004 18:38	AR1660	6UA4207.d

Cal Level: 6 , Cal Amount: 10.00000

20-FEB-2004 21:29	AR1232	6UB4039.d
20-FEB-2004 18:38	AR1221	6UB4033.d
31-JAN-2004 04:34	AR1254	6UA4228.d
31-JAN-2004 01:44	AR1248	6UA4222.d
30-JAN-2004 22:54	AR1242	6UA4216.d
30-JAN-2004 19:06	AR1660	6UA4208.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

16-MAR-2004 23:48	AR1254	6UC2120.d
16-MAR-2004 23:19	AR1248	6UC2119.d
16-MAR-2004 22:51	AR1242	6UC2118.d
17-MAR-2004 02:10	AR1254	6UC2125.d
17-MAR-2004 01:41	AR1248	6UC2124.d
17-MAR-2004 01:13	AR1242	6UC2123.d
17-MAR-2004 00:45	AR1660	6UC2122.d
16-MAR-2004 22:23	AR1660	6UC2117.d
16-MAR-2004 12:26	AR1254	6UC2096.d
16-MAR-2004 11:57	AR1248	6UC2095.d
16-MAR-2004 11:27	AR1242	6UC2094.d
16-MAR-2004 10:58	AR1660	6UC2093.d

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date: 08/17/04 Time: 1048

Lab File ID: 6UH3002 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0166000	1.0000000	21930.000	0.01	1.66	15.00	2RDR
(2)	0.8698700	1.0000000	41711.000	0.01	-13.01	15.00	2RDR
(3)	0.9240800	1.0000000	25016.000	0.01	-7.59	15.00	2RDR
(4)	0.9007400	1.0000000	16233.000	0.01	-9.93	15.00	2RDR
(5)	0.9404200	1.0000000	15666.000	0.01	-5.96	15.00	2RDR
Average %D: -6.970							
Aroclor-1260	1.0051000	1.0000000	24864.000	0.01	0.51	15.00	2RDR
(2)	1.0027000	1.0000000	24840.000	0.01	0.27	15.00	2RDR
(3)	0.8941200	1.0000000	50088.000	0.01	-10.59	15.00	2RDR
(4)	0.8823200	1.0000000	26328.000	0.01	-11.77	15.00	2RDR
(5)	0.8950400	1.0000000	14804.000	0.01	-10.50	15.00	2RDR
Average %D: -6.410							
Tetrachloro-m-xylene	2.09e-002	2.e-002	1031500.0	0.01	4.50	15.00	2RDR
Decachlorobiphenyl	2.07e-002	2.e-002	820400.00	0.01	3.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date: 08/17/04 Time: 1048

Lab File ID: 6UH4002 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1199000	1.0000000	51615.000	0.01	11.99	15.00	2RDR	
(2)	1.0202000	1.0000000	24015.000	0.01	2.02	15.00	2RDR	
(3)	1.0135000	1.0000000	76885.000	0.01	1.35	15.00	2RDR	
(4)	1.0242000	1.0000000	35978.000	0.01	2.42	15.00	2RDR	
(5)	1.0075000	1.0000000	28302.000	0.01	0.75	15.00	2RDR	
Average %D: 3.7100								
Aroclor-1260	1.0058000	1.0000000	53031.000	0.01	0.58	15.00	2RDR	
(2)	1.0801000	1.0000000	43966.000	0.01	8.01	15.00	2RDR	
(3)	1.0087000	1.0000000	85651.000	0.01	0.87	15.00	2RDR	
(4)	1.0365000	1.0000000	51764.000	0.01	3.65	15.00	2RDR	
(5)	1.0315000	1.0000000	24581.000	0.01	3.15	15.00	2RDR	
Average %D: 3.2500								
Tetrachloro-m-xylene	2.37e-002	2.e-002	2139600.0	0.01	18.50	15.00	2RDR	<-
Decachlorobiphenyl	2.27e-002	2.e-002	1199200.0	0.01	13.50	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date: 08/17/04 Time: 1213

Lab File ID: 6UH3005 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1254	0.8168200	1.0000000	35410.000	0.01	-18.32	15.00	2RDR	<-
(2)	0.7806200	1.0000000	21377.000	0.01	-21.94	15.00	2RDR	<-
(3)	0.7615400	1.0000000	36848.000	0.01	-23.85	15.00	2RDR	<-
(4)	0.6428500	1.0000000	26696.000	0.01	-35.72	15.00	2RDR	<-
(5)	0.7878000	1.0000000	16565.000	0.01	-21.22	15.00	2RDR	<-
Average %D: -24.21								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date: 08/17/04 Time: 1213

Lab File ID: 6UH4005 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1254	0.9823000	1.0000000	17906.000	0.01	-1.77	15.00	2RDR	
(2)	0.9252500	1.0000000	19459.000	0.01	-7.48	15.00	2RDR	
(3)	0.8985600	1.0000000	35084.000	0.01	-10.14	15.00	2RDR	
(4)	0.8861200	1.0000000	63309.000	0.01	-11.39	15.00	2RDR	
(5)	0.7856900	1.0000000	42493.000	0.01	-21.43	15.00	2RDR	<-
Average %D: -10.44								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date: 08/18/04 Time: 0008

Lab File ID: 6UH3027 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0144000	1.0000000	21885.000	0.01	1.44	15.00	2RDR
(2)	0.8972500	1.0000000	42927.000	0.01	-10.28	15.00	2RDR
(3)	0.9306500	1.0000000	25182.000	0.01	-6.94	15.00	2RDR
(4)	0.9021300	1.0000000	16257.000	0.01	-9.79	15.00	2RDR
(5)	0.9158600	1.0000000	15294.000	0.01	-8.41	15.00	2RDR
Average %D: -6.790							
Aroclor-1260	1.0071000	1.0000000	24910.000	0.01	0.71	15.00	2RDR
(2)	0.9983200	1.0000000	24736.000	0.01	-0.17	15.00	2RDR
(3)	0.9498100	1.0000000	53068.000	0.01	-5.02	15.00	2RDR
(4)	0.9285900	1.0000000	27657.000	0.01	-7.14	15.00	2RDR
(5)	0.9838900	1.0000000	16214.000	0.01	-1.61	15.00	2RDR
Average %D: -2.650							
Tetrachloro-m-xylene	2.07e-002	2.e-002	1021000.0	0.01	3.50	15.00	2RDR
Decachlorobiphenyl	2.03e-002	2.e-002	806700.00	0.01	1.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date: 08/18/04 Time: 0008

Lab File ID: 6UH4027 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1354000	1.0000000	52258.000	0.01	13.54	15.00	2RDR	
(2)	1.0495000	1.0000000	24645.000	0.01	4.95	15.00	2RDR	
(3)	1.0864000	1.0000000	81940.000	0.01	8.64	15.00	2RDR	
(4)	1.0913000	1.0000000	38124.000	0.01	9.13	15.00	2RDR	
(5)	1.0840000	1.0000000	30299.000	0.01	8.40	15.00	2RDR	
Average %D: 8.9300								
Aroclor-1260	1.0704000	1.0000000	56237.000	0.01	7.04	15.00	2RDR	
(2)	1.1090000	1.0000000	45071.000	0.01	10.90	15.00	2RDR	
(3)	1.0676000	1.0000000	90416.000	0.01	6.76	15.00	2RDR	
(4)	1.0940000	1.0000000	54487.000	0.01	9.40	15.00	2RDR	
(5)	1.0905000	1.0000000	25913.000	0.01	9.05	15.00	2RDR	
Average %D: 8.6300								
Tetrachloro-m-xylene	2.33e-002	2.e-002	2097600.0	0.01	16.50	15.00	2RDR	<-
Decachlorobiphenyl	2.22e-002	2.e-002	1174000.0	0.01	11.00	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date: 08/18/04 Time: 0133

Lab File ID: 6UH3030 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1254	0.8157000	1.0000000	35365.000	0.01	-18.43	15.00	2RDR	<-
(2)	0.7792500	1.0000000	21341.000	0.01	-22.08	15.00	2RDR	<-
(3)	0.7606700	1.0000000	36808.000	0.01	-23.93	15.00	2RDR	<-
(4)	0.6503100	1.0000000	26989.000	0.01	-34.97	15.00	2RDR	<-
(5)	0.7900400	1.0000000	16609.000	0.01	-21.00	15.00	2RDR	<-
Average %D: -24.08								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date: 08/18/04 Time: 0133

Lab File ID: 6UH4030 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1254	0.9752700	1.0000000	17789.000	0.01	-2.47	15.00	2RDR	
(2)	0.9198000	1.0000000	19354.000	0.01	-8.02	15.00	2RDR	
(3)	0.9034200	1.0000000	35262.000	0.01	-9.66	15.00	2RDR	
(4)	0.8995500	1.0000000	64207.000	0.01	-10.04	15.00	2RDR	
(5)	0.8091000	1.0000000	43674.000	0.01	-19.09	15.00	2RDR	<-
Average %D: -9.860								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date: 08/18/04 Time: 0714

Lab File ID: 6UH3042 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0793000	1.0000000	23187.000	0.01	7.93	15.00	2RDR
(2)	0.9432800	1.0000000	44964.000	0.01	-5.67	15.00	2RDR
(3)	0.9973600	1.0000000	26863.000	0.01	-0.26	15.00	2RDR
(4)	0.9831200	1.0000000	17650.000	0.01	-1.69	15.00	2RDR
(5)	1.0129000	1.0000000	16759.000	0.01	1.29	15.00	2RDR
Average %D: 0.3200							
Aroclor-1260	1.0761000	1.0000000	26507.000	0.01	7.61	15.00	2RDR
(2)	1.0829000	1.0000000	26727.000	0.01	8.29	15.00	2RDR
(3)	1.0119000	1.0000000	56383.000	0.01	1.19	15.00	2RDR
(4)	0.9886500	1.0000000	29378.000	0.01	-1.14	15.00	2RDR
(5)	0.9808600	1.0000000	16166.000	0.01	-1.91	15.00	2RDR
Average %D: 2.8100							
Tetrachloro-m-xylene	2.21e-002	2.e-002	1087000.0	0.01	10.50	15.00	2RDR
Decachlorobiphenyl	2.4e-002	2.e-002	941400.00	0.01	20.00	15.00	2RDR <-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2522

Instrument ID: GC06 Calibration Date: 08/18/04 Time: 0714

Lab File ID: 6UH4042 Init. Calib. Date(s): 01/30/04 02/20/04

Init. Calib. Times: 1644 2129

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1784000	1.0000000	54030.000	0.01	17.84	15.00	2RDR	<-
(2)	1.0937000	1.0000000	25591.000	0.01	9.37	15.00	2RDR	
(3)	1.1368000	1.0000000	85417.000	0.01	13.68	15.00	2RDR	
(4)	1.1565000	1.0000000	40194.000	0.01	15.65	15.00	2RDR	<-
(5)	1.1335000	1.0000000	31585.000	0.01	13.35	15.00	2RDR	
Average %D: 13.980								
Aroclor-1260	1.1005000	1.0000000	57728.000	0.01	10.05	15.00	2RDR	
(2)	1.1823000	1.0000000	47862.000	0.01	18.23	15.00	2RDR	<-
(3)	1.1236000	1.0000000	94927.000	0.01	12.36	15.00	2RDR	
(4)	1.1480000	1.0000000	57038.000	0.01	14.80	15.00	2RDR	
(5)	1.1208000	1.0000000	26595.000	0.01	12.08	15.00	2RDR	
Average %D: 13.500								
Tetrachloro-m-xylene	2.44e-002	2.e-002	2190800.0	0.01	22.00	15.00	2RDR	<-
Decachlorobiphenyl	2.41e-002	2.e-002	1267000.0	0.01	20.50	15.00	2RDR	<-

FORM VII PEST

Logbooks and Supporting Documents

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2ul

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
1-29-04	LAD	6UA3/4 174	WU0059-10 3510	N	Y	PCBA/B023A.m	246/245	
		175	AR1660 1.0ppm P2753	N	Y			1016, 1260 TCX A OK
		176	1242 P2693	N	Y			↑B AOK
		177	1248 P2726	N	Y			↑B AOK
		178	1254 P2715	N	Y			
			Changed liner and clipped			Column	replaced	Septa
1-29-04	CAD	6UA3/4 179	AR1660 1.0ppm P2753	—	—	PCBA/B023A.m	246/245	
		180	hex	—	—			
		181		—	—			
		182		—	—			
		183	AR1660 1.0ppm P2753	Y	Y			1016, TCX ↑B
		184	AR1242 1.0ppm P2693	N	Y			B↑
		185	AR1248 P2726	N	Y			
		186	AR1254 P2715	N	Y			
		187	WG5516-3 3545	N				
		188	-4	N				
		189	-5					
		190	-6					
		191	AR1660 1.0ppm P2753	N	Y			B↑
		192	1242 P2693	N	Y			
		193	1248 P2726	N	Y			
		194	1254 P2715	N	Y			
1-30-04		195	WO0043-1 3545	N				48, 54, 60 ?
		196	-2					
		197	-3					62?
		198	-4					
		199	AR1262 1.0ppm P2741					
		200	AR1268 1.0ppm P2743					
		201	hexane					
		202	hexane					
		203	AR1660 1.0ppm P2753			PCBA/B024A.m		
		204	0.05 P2707					

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2ul

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
1-30-04	LAD	6UA3/4205	AR1660 0.10 PPm P2704	N	Y	PCB/8024A.M	246/245	
		206	0.25 P2703					
		207	2.5 P2703					
		208	10 P2702					
		209	AR1016 1.0PPm P2644					
		210	AR1260 1.0PPm P2645					
		211	AR1242 1.0PPm P2697	Y				
		212	0.05 P2696					
		213	0.10 P2695					
		214	0.25 P2694					
		215	2.5 P2692					
		216	10 P2673	N				
		217	AR1248 1.0PPm P2734	N				
		218	0.05 P2739	Y				
1-31-04		219	0.10 P2738	Y				
		220	0.25 P2737	Y				
		221	2.5 P2735	N				
		222	10 P2734					
		223	AR1254 1.0PPm P2769					
		224	0.05 P2718	Y				
		225	0.10 P2717	Y				
		226	0.25 P2716	N				
		227	2.5 P2714					
		228	10 P2680					
		229	AR1221 1.0PPm P2756	Y				
		230	1232 P2759	Y				
		231	1262 P2741	N				
		232	1268 P2743					
		233	1254II P2547		Y			for pattern recog. only
		234	WG5647-1 3545	N	Y			
		235	-2					
		236	-3					

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2uL

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
08-~~13~~16-04 SMW 8/17/04	SMW	6UH1/2220	WU2452-1 3550	Y	N	PCBA/B024B	246/245	Rerun 1:10
		221	-2	N				1:30
		222	-3					c/o
		223	-4	Y	Y			
		224	-5					
		225	-6	N				
		226	WG9146-3					
		227	-4					
		228	Hexane	N	N			
		229						
		230						
		231	AR1660 1.0PPM P2890		Y			TCX, DCB ↑ B
		232	AR1242 P2895					
		233	AR1248 P2865	Y				
		234	AR1254 P2893	N				A ↓
08-~~14~~17-04 SMW 8-17-04		6UH3/4001	Prime		N			
		2	AR1660 1.0PPM P2890		Y			TCX ↑ B
		3	AR1242 P2895	Y				
		4	AR 1248 P2865					
		5	AR1254 P2893	N				A ↓
		6	WU2452-3RA 3550					
		7	-1DL					1:10 100uL/1mL
		8	-2DL	Y				1:30 100uL/1mL 100/300uL
		9	WG9237-1 3545	N				
		10	-2					
		11	-3					TCX ↑ B
		12	-1RA					3660
		13	-2RA					
		14	-3RA					TCX ↑ B
		15	WG9252-1 3550	N	Y			
		16	-2					
		17	WU2316-3RE 3545	N	Y			3660

Katahdin Analytical Services, Inc.
GC Laboratory Instrument Runlog
Instrument: GC06
Amount Injected 2uL

Method: SW846 8082 or EPA 608
Reviewed by/ Date:

Date	Init.	Result File	Sample ID	MI	Y/N	Method	Column	Comments
08-17-04		6UH314018	WU23-16-4RE 3545	Y	Y	246/PCB A/B 02	246/245	3660 DCB↓A
		19	WU2522-1 3550	N	Y			1260 J on A
		20	-2					1260 TCX↑ on B
		21	-3					Below MDL on A
		22	-4	Y				1260 ↑TCX+DCB
		23	-5	N				1260
		24	-6					1254+1260
		25	-7					1260
		26	-8	Y				1260 TCX+DCB↑
08-18-04		27	AR1660 1.0 PPM P2890		Y			TCX↑B
		28	AR1242 P2895	N				
		29	AR1248 P2865					
		30	AR1254 P2893					low on A
		31	WU2470-1 3545		Y			
		32	-5	Y				TCX↓B TCX+DCB↓A
		33	WU2484-1	N				TCX+DCB↓A+B
		34	-2					
		35	-3					DCB↓A+B
		36	-4					DCB↓A
		37	-5	Y				DCB↓A+B
		38	WU2489-1	Y				TCX↓A+B
		39	-2					TCX↓A+B
		40	WG9252-3 3550	Y	Y			
		41	-4					
		42	AR1660 1.0ppm P2850	N	N			DCB↑A+B, TCX↑B
		43	1242 P2895		Y			
		44	1248 P2865					
		45	1254 P2893					
08-19-04		46	Hexane	N	N			
		47						
		48						
		49						

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - SOIL PESTICIDE/PCB

Extraction Method: SW846 3550 (sonication) ✓ SW846 3540 (soxhlet)_____ SW846 3545 (ase)_____

Analytical Method: SW846 8081_____ SW846 8082 ✓ CLP OLM03.1_____ CLP OLM04.2_____

Date QC Started: 8-17-04 QC Expiration Date:_____ QC Batch ID_____

Surrogate ID: GC0136 Spike ID: PCB GC0140 Spike ID:_____

Solvent Lot # CH_2Cl_2: A18E10 Solvent Lot # Hexane: A02E41

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8-17-04	AZ	WG9252 -1	30g	1.0ml	NL		✓	10mL	8-17-04	PP578 F1	MC			✓		R 23190
↓	↓	↓ -2	↓	↓	1.0ml		✓	↓	↓	F2	↓			↓		
↓	↓	↓ -3	↓	↓	↓		✓	↓	↓	F3	↓			↓		WU2522-1 MS
↓	↓	↓ -4	↓	↓	↓		✓	↓	↓	F4	↓			↓		WU2522-1 MSD

Katahdin Analytical Services 3000

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8-17-04	AZ	WU8528-1	30g	1.0ml	NR		✓	10ml	8-17-04	PB578 F5	MC			✓		
		-2					✓			F6						
		-3					✓			F7						
		-4					✓			F8						
		-5					✓			F9						
		-6					✓			F10						
		-7					✓			F11						
		-8					✓			F12						

Katahdin Analytical Services

OAEX098

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 2, 2004**
FROM:	**ERIN M. FAUST**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS AND TIN**
CTO – 349 NAS KEY WEST
SAMPLE DELIVERY GROUP (SDG) – WU2522

SAMPLES: 8/Soil/

C03V-10F-72-0804	C03V-12EF-06-0804	C03V-12EF-12-0804
C03V-12EF-24-0804	C03V-16EF-06-0804	C03V-16EF-12-0804
C03V-16EF-24-0804	C03V-DUP07-0804	

Overview

The sample set for CTO 349, NAS Key West, SDG WU2522, consists of eight (8) soil environmental samples. One (1) field duplicate pair (C03V-DUP07-0804 / C03V-12EF-24-0804) is included within this SDG.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by TetraTech NUS on August 16, 2004 and analyzed by Katahdin Analytical Services under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. Metals analyses, with the exception of mercury, were conducted using SW-846 method 6010B. Analyses for mercury were conducted using SW-846 method 7471A.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
• Laboratory Blank Analyses
• Field Duplicate Results
* • 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	91.51 µg/L	45.755 mg/kg
Barium(1)	0.026 mg/kg	0.13 mg/kg
Beryllium	0.28 µg/L	0.14 mg/kg
Cadmium(1)	0.034 mg/kg	0.17 mg/kg
Calcium(1)	17.38 mg/kg	86.9 mg/kg

Chromium[1]	0.108 mg/kg	0.54 mg/kg
Cobalt	0.76 µg/L	0.38 mg/kg
Copper	1.11 µg/L	0.555 mg/kg
Iron[1]	2.315 mg/kg	11.575 mg/kg
Lead[1]	0.746 mg/kg	3.73 mg/kg
Magnesium	28.05 µg/L	14.025 mg/kg
Manganese[1]	0.072 mg/kg	0.36 mg/kg
Mercury[1]	0.018 mg/kg	0.09 mg/kg
Sodium[1]	6.52 mg/kg	32.6 mg/kg
Tin[1]	2.996 mg/kg	14.98 mg/kg
Zinc[1]	0.326 mg/kg	1.63 mg/kg

[1] Maximum concentration present in a laboratory preparation blank.

An action level of 5X the maximum concentration has been used to evaluate the sample data for blank contamination. Sample aliquot, percent solids and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. Positive results, less than the action level, reported for beryllium, cadmium, cobalt, lead, mercury and tin were qualified "U" as a result of laboratory blank contamination.

Field Duplicate Results

Field duplicate imprecision (RPD > 50%) was noted for manganese and mercury. Positive results reported for manganese and mercury were qualified as estimated, "J".

Notes

All samples were diluted by a factor of 10 for calcium.

The laboratory did not originally report tin in either the hard-copy data package or the electronic data deliverable (EDD). The laboratory was contacted and results for tin were submitted the next day.

Executive Summary

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

Other Factors Affecting Data Quality: Field duplicate imprecision was noted for manganese and mercury.

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
Erin M. Faust
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

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

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: 0693

SDG: WU2522 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-10F-72-0804	nsample	C03V-12EF-06-0804	nsample	C03V-12EF-12-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2522-001	lab_id	WU2522-002	lab_id	WU2522-003
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	48.3	Pct_Solids	92.3	Pct_Solids	87.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	920		
ANTIMONY	0.79		
ARSENIC	3.2		
BARIUM	40.6		
BERYLLIUM	0.05	U	
CADMIUM	0.44		
CALCIUM	340000		
CHROMIUM	6.9		
COBALT	0.27	U	A
COPPER	28.4		
IRON	2130		
LEAD	122		
MAGNESIUM	13800		
MANGANESE	37.6	J	G
MERCURY	0.57	J	G
NICKEL	3.0		
POTASSIUM	42.87	U	
SELENIUM	0.67	U	
SILVER	0.13	U	
SODIUM	1920		
THALLIUM	0.74	U	
TIN	18.8	U	A
VANADIUM	10.1		
ZINC	146		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	856		
ANTIMONY	0.79		
ARSENIC	1.1		
BARIUM	10.8		
BERYLLIUM	0.09	U	A
CADMIUM	0.23		
CALCIUM	214000		
CHROMIUM	6.6		
COBALT	0.26	U	A
COPPER	13.1		
IRON	702		
LEAD	43.1		
MAGNESIUM	1790		
MANGANESE	25.3	J	G
MERCURY	0.10	J	G
NICKEL	1.3		
POTASSIUM	53.9		
SELENIUM	0.32	U	
SILVER	0.06	U	
SODIUM	271		
THALLIUM	0.36	U	
TIN	6.9	U	A
VANADIUM	5.7		
ZINC	29.4		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	863		
ANTIMONY	0.18	U	
ARSENIC	0.75		
BARIUM	7.4		
BERYLLIUM	0.10	U	A
CADMIUM	0.07	U	A
CALCIUM	218000		
CHROMIUM	6.0		
COBALT	0.21	U	A
COPPER	1.8		
IRON	628		
LEAD	2.8	U	A
MAGNESIUM	1750		
MANGANESE	24.0	J	G
MERCURY	0.03	U	A
NICKEL	1.1		
POTASSIUM	50.9		
SELENIUM	0.29	U	
SILVER	0.05	U	
SODIUM	258		
THALLIUM	0.32	U	
TIN	11.1	U	A
VANADIUM	5.7		
ZINC	2.2		

PROJ_NO: 0693

SDG: WU2522 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-12EF-24-0804	nsample	C03V-16EF-06-0804	nsample	C03V-16EF-12-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2522-004	lab_id	WU2522-005	lab_id	WU2522-006
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	83.5	Pct_Solids	93.2	Pct_Solids	78.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	584		
ANTIMONY	1.1		
ARSENIC	0.52		
BARIUM	56.5		
BERYLLIUM	0.02	U	
CADMIUM	0.13	U	A
CALCIUM	323000		
CHROMIUM	2.8		
COBALT	0.26	U	A
COPPER	52.0		
IRON	591		
LEAD	26.7		
MAGNESIUM	1530		
MANGANESE	47.0	J	G
MERCURY	1.2	J	G
NICKEL	0.72		
POTASSIUM	36.5		
SELENIUM	0.33	U	
SILVER	0.06	U	
SODIUM	1240		
THALLIUM	0.40		
TIN	6.2	U	A
VANADIUM	1.1		
ZINC	41.5		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	752		
ANTIMONY	0.64		
ARSENIC	0.66		
BARIUM	6.8		
BERYLLIUM	0.06	U	A
CADMIUM	0.16		
CALCIUM	226000		
CHROMIUM	5.7		
COBALT	0.24	U	A
COPPER	3.8		
IRON	649		
LEAD	46.2		
MAGNESIUM	1870		
MANGANESE	25.2	J	G
MERCURY	0.02	U	A
NICKEL	1.0		
POTASSIUM	63.5		
SELENIUM	0.35	U	
SILVER	0.07	U	
SODIUM	242		
THALLIUM	0.38	U	
TIN	4.7	U	A
VANADIUM	5.3		
ZINC	8.6		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	934		
ANTIMONY	1.1		
ARSENIC	0.74		
BARIUM	9.4		
BERYLLIUM	0.06	U	A
CADMIUM	0.24		
CALCIUM	227000		
CHROMIUM	7.0		
COBALT	0.28	U	A
COPPER	6.3		
IRON	866		
LEAD	88.5		
MAGNESIUM	2080		
MANGANESE	32.0	J	G
MERCURY	0.08	U	A
NICKEL	1.3		
POTASSIUM	88.6		
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	267		
THALLIUM	0.44		
TIN	4.6	U	A
VANADIUM	5.6		
ZINC	23.5		

PROJ_NO: 0693

SDG: WU2522 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-16EF-24-0804	nsample	C03V-DUP07-0804
samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2522-007	lab_id	WU2522-008
qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG
Pct_Solids	73.5	Pct_Solids	85.3
DUP_OF:		DUP_OF:	C03V-12EF-24-0804

Parameter	Result	Val Qual	Qual Code
ALUMINUM	142		
ANTIMONY	2.1		
ARSENIC	0.38		
BARIUM	13.2		
BERYLLIUM	0.02	U	
CADMIUM	0.06	U	A
CALCIUM	404000		
CHROMIUM	1.9		
COBALT	0.07	U	A
COPPER	2.8		
IRON	142		
LEAD	10.2		
MAGNESIUM	1180		
MANGANESE	7.3	J	G
MERCURY	0.10	U	A
NICKEL	0.19		
POTASSIUM	23.46	U	
SELENIUM	0.37	U	
SILVER	0.07	U	
SODIUM	1680		
THALLIUM	0.40	U	
TIN	5.0	U	A
VANADIUM	0.77		
ZINC	3.0		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	470		
ANTIMONY	0.77		
ARSENIC	0.65		
BARIUM	50.1		
BERYLLIUM	0.02	U	
CADMIUM	0.13		
CALCIUM	272000		
CHROMIUM	2.4		
COBALT	0.13	U	A
COPPER	62.8		
IRON	393		
LEAD	19.3		
MAGNESIUM	1250		
MANGANESE	24.9	J	G
MERCURY	2.1	J	G
NICKEL	0.51		
POTASSIUM	17.43	U	
SELENIUM	0.27	U	
SILVER	0.05	U	
SODIUM	1100		
THALLIUM	0.30	U	
TIN	3.2	U	A
VANADIUM	0.82		
ZINC	33.3		

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-10F-72-0804

Matrix: SOIL **SDG Name:** WU2522

Percent Solids: 48.3 **Lab Sample ID:** WU2522-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	920		N*	P	1	54	3.30
7440-36-0	ANTIMONY, TOTAL	0.79	B		P	1	1.4	0.42
7440-38-2	ARSENIC, TOTAL	3.2			P	1	1.4	0.55
7440-39-3	BARIUM, TOTAL	40.6			P	1	0.90	0.03
7440-41-7	BERYLLIUM, TOTAL	0.05	U		P	1	0.90	0.05
7440-43-9	CADMIUM, TOTAL	0.44	B		P	1	1.8	0.05
7440-70-2	CALCIUM, TOTAL	340000			P	10	90	38.54
7440-47-3	CHROMIUM, TOTAL	6.9		E	P	1	2.7	0.14
7440-48-4	COBALT, TOTAL	0.27	B		P	1	5.4	0.12
7440-50-8	COPPER, TOTAL	28.4		N	P	1	4.5	0.15
7439-89-6	IRON, TOTAL	2130			P	1	18	1.93
7439-92-1	LEAD, TOTAL	122		N*	P	1	0.90	0.31
7439-95-4	MAGNESIUM, TOTAL	13800			P	1	9.0	1.35
7439-96-5	MANGANESE, TOTAL	37.6			P	1	0.90	0.02
7439-97-6	MERCURY, TOTAL	0.57		N	CV	1	0.057	0.01
7440-02-0	NICKEL, TOTAL	3.0	B		P	1	7.2	0.15
7440-09-7	POTASSIUM, TOTAL	42.87	U		P	1	180	42.87
7782-49-2	SELENIUM, TOTAL	0.67	U		P	1	1.8	0.67
7440-22-4	SILVER, TOTAL	0.13	U		P	1	2.7	0.13
7440-23-5	SODIUM, TOTAL	1920		N	P	1	180	3.44
7440-28-0	THALLIUM, TOTAL	0.74	U		P	1	2.7	0.74
7440-31-5	TIN, TOTAL	18.8			P	1	18	0.32
7440-62-2	VANADIUM, TOTAL	10.1			P	1	4.5	0.14
7440-66-6	ZINC, TOTAL	146		N	P	1	4.5	0.05

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-12EF-06-0804

Matrix: SOIL **SDG Name:** WU2522

Percent Solids: 92.3 **Lab Sample ID:** WU2522-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	856		N*	P	1	26	1.60
7440-36-0	ANTIMONY, TOTAL	0.79			P	1	0.70	0.20
7440-38-2	ARSENIC, TOTAL	1.1			P	1	0.70	0.26
7440-39-3	BARIUM, TOTAL	10.8			P	1	0.44	0.01
7440-41-7	BERYLLIUM, TOTAL	0.09	B		P	1	0.44	0.02
7440-43-9	CADMIUM, TOTAL	0.23	B		P	1	0.87	0.03
7440-70-2	CALCIUM, TOTAL	214000			P	10	44	18.70
7440-47-3	CHROMIUM, TOTAL	6.6		E	P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.26	B		P	1	2.6	0.06
7440-50-8	COPPER, TOTAL	13.1		N	P	1	2.2	0.08
7439-89-6	IRON, TOTAL	702			P	1	8.7	0.94
7439-92-1	LEAD, TOTAL	43.1		N*	P	1	0.44	0.15
7439-95-4	MAGNESIUM, TOTAL	1790			P	1	4.4	0.66
7439-96-5	MANGANESE, TOTAL	25.3			P	1	0.44	0.01
7439-97-6	MERCURY, TOTAL	0.1		N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.3	B		P	1	3.5	0.07
7440-09-7	POTASSIUM, TOTAL	53.9	B		P	1	87	20.80
7782-49-2	SELENIUM, TOTAL	0.32	U		P	1	0.87	0.32
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	271		N	P	1	87	1.67
7440-28-0	THALLIUM, TOTAL	0.36	U		P	1	1.3	0.36
7440-31-5	TIN, TOTAL	6.9	B		P	1	8.7	0.16
7440-62-2	VANADIUM, TOTAL	5.7			P	1	2.2	0.07
7440-66-6	ZINC, TOTAL	29.4		N	P	1	2.2	0.02

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:** C03V-12EF-12-0804

Matrix: SOIL **SDG Name:** WU2522

Percent Solids: 87.7 **Lab Sample ID:** WU2522-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	863		N*	P	1	23	1.43
7440-36-0	ANTIMONY, TOTAL	0.18	U		P	1	0.62	0.18
7440-38-2	ARSENIC, TOTAL	0.75			P	1	0.62	0.24
7440-39-3	BARIUM, TOTAL	7.4			P	1	0.39	0.01
7440-41-7	BERYLLIUM, TOTAL	0.1	B		P	1	0.39	0.02
7440-43-9	CADMIUM, TOTAL	0.07	B		P	1	0.78	0.02
7440-70-2	CALCIUM, TOTAL	218000			P	10	39	16.70
7440-47-3	CHROMIUM, TOTAL	6.0		E	P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.21	B		P	1	2.3	0.05
7440-50-8	COPPER, TOTAL	1.8	B	N	P	1	2.0	0.07
7439-89-6	IRON, TOTAL	628			P	1	7.8	0.84
7439-92-1	LEAD, TOTAL	2.8		N*	P	1	0.39	0.13
7439-95-4	MAGNESIUM, TOTAL	1750			P	1	3.9	0.59
7439-96-5	MANGANESE, TOTAL	24.0			P	1	0.39	0.01
7439-97-6	MERCURY, TOTAL	0.03	B	N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.1	B		P	1	3.1	0.07
7440-09-7	POTASSIUM, TOTAL	50.9	B		P	1	78	18.58
7782-49-2	SELENIUM, TOTAL	0.29	U		P	1	0.78	0.29
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.2	0.05
7440-23-5	SODIUM, TOTAL	258		N	P	1	78	1.49
7440-28-0	THALLIUM, TOTAL	0.32	U		P	1	1.2	0.32
7440-31-5	TIN, TOTAL	11.1			P	1	7.8	0.14
7440-62-2	VANADIUM, TOTAL	5.7			P	1	2.0	0.06
7440-66-6	ZINC, TOTAL	2.2		N	P	1	2.0	0.02

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:** C03V-12EF-24-0804

Matrix: SOIL **SDG Name:** WU2522

Percent Solids: 83.5 **Lab Sample ID:** WU2522-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	584		N*	P	1	26	1.61
7440-36-0	ANTIMONY, TOTAL	1.1			P	1	0.70	0.21
7440-38-2	ARSENIC, TOTAL	0.52	B		P	1	0.70	0.27
7440-39-3	BARIUM, TOTAL	56.5			P	1	0.44	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.44	0.02
7440-43-9	CADMIUM, TOTAL	0.13	B		P	1	0.88	0.03
7440-70-2	CALCIUM, TOTAL	323000			P	10	44	18.84
7440-47-3	CHROMIUM, TOTAL	2.8		E	P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.26	B		P	1	2.6	0.06
7440-50-8	COPPER, TOTAL	52.0		N	P	1	2.2	0.08
7439-89-6	IRON, TOTAL	591			P	1	8.8	0.94
7439-92-1	LEAD, TOTAL	26.7		N*	P	1	0.44	0.15
7439-95-4	MAGNESIUM, TOTAL	1530			P	1	4.4	0.66
7439-96-5	MANGANESE, TOTAL	47.0			P	1	0.44	0.01
7439-97-6	MERCURY, TOTAL	1.2		N	CV	1	0.034	0.01
7440-02-0	NICKEL, TOTAL	0.72	B		P	1	3.5	0.07
7440-09-7	POTASSIUM, TOTAL	36.5	B		P	1	88	20.95
7782-49-2	SELENIUM, TOTAL	0.33	U		P	1	0.88	0.33
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	1240		N	P	1	88	1.68
7440-28-0	THALLIUM, TOTAL	0.40	B		P	1	1.3	0.36
7440-31-5	TIN, TOTAL	6.2	B		P	1	8.8	0.16
7440-62-2	VANADIUM, TOTAL	1.1	B		P	1	2.2	0.07
7440-66-6	ZINC, TOTAL	41.5		N	P	1	2.2	0.02

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:** C03V-16EF-06-0804

Matrix: SOIL **SDG Name:** WU2522

Percent Solids: 93.2 **Lab Sample ID:** WU2522-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	752		N*	P	1	28	1.71
7440-36-0	ANTIMONY, TOTAL	0.64	B		P	1	0.75	0.22
7440-38-2	ARSENIC, TOTAL	0.66	B		P	1	0.75	0.28
7440-39-3	BARIUM, TOTAL	6.8			P	1	0.47	0.02
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.47	0.02
7440-43-9	CADMIUM, TOTAL	0.16	B		P	1	0.93	0.03
7440-70-2	CALCIUM, TOTAL	226000			P	10	47	19.97
7440-47-3	CHROMIUM, TOTAL	5.7		E	P	1	1.4	0.07
7440-48-4	COBALT, TOTAL	0.24	B		P	1	2.8	0.06
7440-50-8	COPPER, TOTAL	3.8		N	P	1	2.3	0.08
7439-89-6	IRON, TOTAL	649			P	1	9.3	1.00
7439-92-1	LEAD, TOTAL	46.2		N*	P	1	0.47	0.16
7439-95-4	MAGNESIUM, TOTAL	1870			P	1	4.7	0.70
7439-96-5	MANGANESE, TOTAL	25.2			P	1	0.47	0.01
7439-97-6	MERCURY, TOTAL	0.02	B	N	CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.0	B		P	1	3.7	0.08
7440-09-7	POTASSIUM, TOTAL	63.5	B		P	1	93	22.21
7782-49-2	SELENIUM, TOTAL	0.35	U		P	1	0.93	0.35
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.4	0.07
7440-23-5	SODIUM, TOTAL	242		N	P	1	93	1.78
7440-28-0	THALLIUM, TOTAL	0.38	U		P	1	1.4	0.38
7440-31-5	TIN, TOTAL	4.7	B		P	1	9.3	0.17
7440-62-2	VANADIUM, TOTAL	5.3			P	1	2.3	0.07
7440-66-6	ZINC, TOTAL	8.6		N	P	1	2.3	0.02

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:** C03V-16EF-12-0804

Matrix: SOIL **SDG Name:** WU2522

Percent Solids: 78.4 **Lab Sample ID:** WU2522-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	934		N*	P	1	25	1.52
7440-36-0	ANTIMONY, TOTAL	1.1			P	1	0.66	0.19
7440-38-2	ARSENIC, TOTAL	0.74			P	1	0.66	0.25
7440-39-3	BARIUM, TOTAL	9.4			P	1	0.41	0.01
7440-41-7	BERYLLIUM, TOTAL	0.06	B		P	1	0.41	0.02
7440-43-9	CADMIUM, TOTAL	0.24	B		P	1	0.83	0.02
7440-70-2	CALCIUM, TOTAL	227000			P	10	41	17.73
7440-47-3	CHROMIUM, TOTAL	7.0		E	P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.28	B		P	1	2.5	0.05
7440-50-8	COPPER, TOTAL	6.3		N	P	1	2.1	0.07
7439-89-6	IRON, TOTAL	866			P	1	8.3	0.89
7439-92-1	LEAD, TOTAL	88.5		N*	P	1	0.41	0.14
7439-95-4	MAGNESIUM, TOTAL	2080			P	1	4.1	0.62
7439-96-5	MANGANESE, TOTAL	32.0			P	1	0.41	0.01
7439-97-6	MERCURY, TOTAL	0.08		N	CV	1	0.034	0.01
7440-02-0	NICKEL, TOTAL	1.3	B		P	1	3.3	0.07
7440-09-7	POTASSIUM, TOTAL	88.6			P	1	83	19.72
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.83	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	267		N	P	1	83	1.58
7440-28-0	THALLIUM, TOTAL	0.44	B		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	4.6	B		P	1	8.3	0.15
7440-62-2	VANADIUM, TOTAL	5.6			P	1	2.1	0.06
7440-66-6	ZINC, TOTAL	23.5		N	P	1	2.1	0.02

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:** C03V-16EF-24-0804

Matrix: SOIL **SDG Name:** WU2522

Percent Solids: 73.5 **Lab Sample ID:** WU2522-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	142		N*	P	1	30	1.80
7440-36-0	ANTIMONY, TOTAL	2.1			P	1	0.79	0.23
7440-38-2	ARSENIC, TOTAL	0.38	B		P	1	0.79	0.30
7440-39-3	BARIUM, TOTAL	13.2			P	1	0.49	0.02
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.49	0.02
7440-43-9	CADMIUM, TOTAL	0.06	B		P	1	0.98	0.03
7440-70-2	CALCIUM, TOTAL	404000			P	10	49	21.09
7440-47-3	CHROMIUM, TOTAL	1.9		E	P	1	1.5	0.08
7440-48-4	COBALT, TOTAL	0.07	B		P	1	3.0	0.06
7440-50-8	COPPER, TOTAL	2.8		N	P	1	2.5	0.08
7439-89-6	IRON, TOTAL	142			P	1	9.8	1.05
7439-92-1	LEAD, TOTAL	10.2		N*	P	1	0.49	0.17
7439-95-4	MAGNESIUM, TOTAL	1180			P	1	4.9	0.74
7439-96-5	MANGANESE, TOTAL	7.3			P	1	0.49	0.01
7439-97-6	MERCURY, TOTAL	0.1		N	CV	1	0.038	0.01
7440-02-0	NICKEL, TOTAL	0.19	B		P	1	3.9	0.08
7440-09-7	POTASSIUM, TOTAL	23.46	U		P	1	98	23.46
7782-49-2	SELENIUM, TOTAL	0.37	U		P	1	0.98	0.37
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.5	0.07
7440-23-5	SODIUM, TOTAL	1680		N	P	1	98	1.88
7440-28-0	THALLIUM, TOTAL	0.40	U		P	1	1.5	0.40
7440-31-5	TIN, TOTAL	5.0	B		P	1	9.8	0.18
7440-62-2	VANADIUM, TOTAL	0.77	B		P	1	2.5	0.07
7440-66-6	ZINC, TOTAL	3.0		N	P	1	2.5	0.02

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:** C03V-DUP07-0804

Matrix: SOIL **SDG Name:** WU2522

Percent Solids: 85.3 **Lab Sample ID:** WU2522-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	470		N*	P	1	22	1.34
7440-36-0	ANTIMONY, TOTAL	0.77			P	1	0.59	0.17
7440-38-2	ARSENIC, TOTAL	0.65			P	1	0.59	0.22
7440-39-3	BARIUM, TOTAL	50.1			P	1	0.37	0.01
7440-41-7	BERYLLIUM, TOTAL	0.02	U		P	1	0.37	0.02
7440-43-9	CADMIUM, TOTAL	0.13	B		P	1	0.73	0.02
7440-70-2	CALCIUM, TOTAL	272000			P	10	37	15.68
7440-47-3	CHROMIUM, TOTAL	2.4		E	P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.13	B		P	1	2.2	0.05
7440-50-8	COPPER, TOTAL	62.8		N	P	1	1.8	0.06
7439-89-6	IRON, TOTAL	393			P	1	7.3	0.78
7439-92-1	LEAD, TOTAL	19.3		N*	P	1	0.37	0.12
7439-95-4	MAGNESIUM, TOTAL	1250			P	1	3.7	0.55
7439-96-5	MANGANESE, TOTAL	24.9			P	1	0.37	0.01
7439-97-6	MERCURY, TOTAL	2.1		N	CV	2	0.064	0.01
7440-02-0	NICKEL, TOTAL	0.51	B		P	1	2.9	0.06
7440-09-7	POTASSIUM, TOTAL	17.43	U		P	1	73	17.43
7782-49-2	SELENIUM, TOTAL	0.27	U		P	1	0.73	0.27
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.1	0.05
7440-23-5	SODIUM, TOTAL	1100		N	P	1	73	1.40
7440-28-0	THALLIUM, TOTAL	0.30	U		P	1	1.1	0.30
7440-31-5	TIN, TOTAL	3.2	B		P	1	7.3	0.13
7440-62-2	VANADIUM, TOTAL	0.82	B		P	1	1.8	0.05
7440-66-6	ZINC, TOTAL	33.3		N	P	1	1.8	0.02

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

APPENDIX C
SUPPORT DOCUMENTATION

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech NUS	Chuck Bryan	(803) 649-7963	(803) 642-8454

Address: 900 Trail Ridge Road City: Aiken State: SC Zip Code: 29803

Purchase Order # Proj. Name / No. Katahdin Quote #

Bill (if different than above) Address

Sampler (Print / Sign): Shonda C. Sumpter [signature] Copies To:

LAB USE ONLY WORK ORDER #: WU2522

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL Metals	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-10F-72-0804	16 Aug 04 / 1458	SO	3	X	X								
	C03V-12EF-06-0804	/ 1429	SO	1	X	X								
	C03V-12EF-12-0804	/ 1431												
	C03V-12EF-24-0804	/ 1434												
	C03V-16EF-06-0804	/ 1437												
	C03V-16EF-12-0804	/ 1439												
	C03V-16EF-24-0804	/ 1440												
	C03V-DUP07-0804	/ —												
		/												
		/												
		/												
		/												
		/												
		/												
		/												
		/												

COMMENTS

24 hour turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	16 Aug 04 1638	[signature]			
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

HOLDTIME

SDG WU2522

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-16EF-06-0804	WU2522-005	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-10F-72-0804	WU2522-001	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-DUP07-0804	WU2522-008	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-16EF-12-0804	WU2522-006	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-12EF-24-0804	WU2522-004	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-12EF-12-0804	WU2522-003	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-12EF-06-0804	WU2522-002	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
HG	MG/KG	C03V-16EF-24-0804	WU2522-007	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-10F-72-0804	WU2522-001	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-16EF-24-0804	WU2522-007	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-16EF-12-0804	WU2522-006	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-16EF-06-0804	WU2522-005	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-12EF-24-0804	WU2522-004	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-12EF-06-0804	WU2522-002	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
M	MG/KG	C03V-DUP07-0804	WU2522-008	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-12EF-12-0804	WU2522-003	NM	08/16/2004	08/18/2004	08/18/2004	2	0	2
TS	%	C03V-16EF-12-0804	WU2522-6	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-10F-72-0804	WU2522-1	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-16EF-06-0804	WU2522-5	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-DUP07-0804	WU2522-8	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-12EF-24-0804	WU2522-4	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-16EF-24-0804	WU2522-7	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-12EF-12-0804	WU2522-3	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
TS	%	C03V-12EF-06-0804	WU2522-2	NM	08/16/2004	08/17/2004	08/18/2004	1	1	2
PCB	%	C03V-16EF-06-0804	WU2522-5	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-10F-72-0804	WU2522-1	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-12EF-06-0804	WU2522-2	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-12EF-24-0804	WU2522-4	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-16EF-12-0804	WU2522-6	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-16EF-24-0804	WU2522-7	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-DUP07-0804	WU2522-8	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	%	C03V-12EF-12-0804	WU2522-3	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-10F-72-0804	WU2522-1	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-12EF-06-0804	WU2522-2	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-12EF-12-0804	WU2522-3	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-12EF-24-0804	WU2522-4	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-16EF-06-0804	WU2522-5	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-16EF-12-0804	WU2522-6	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-16EF-24-0804	WU2522-7	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1
PCB	UG/KG	C03V-DUP07-0804	WU2522-8	NM	08/16/2004	08/17/2004	08/17/2004	1	0	1

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2522

Sample Receipt

The following samples were received on August 17, 2004 and were logged in under Katahdin Analytical Services work order number WU2522 for a hardcopy due date of September 12, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2522-1	C03V-10F-72-0804
WU2522-2	C03V-12EF-06-0804
WU2522-3	C03V-12EF-12-0804
WU2522-4	C03V-12EF-24-0804
WU2522-5	C03V-16EF-06-0804
WU2522-6	C03V-16EF-12-0804
WU2522-7	C03V-16EF-24-0804
WU2522-8	C03V-DUP07-0804

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 Analysis

The samples of Work Order WU2522 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

Sample WU2522-4 had high recoveries for the extraction surrogates TCX and DCB on channel B, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX and DCB were within the acceptance limits on channel A, the sample was not reanalyzed.

Sample WU2522-2 and the matrix spike duplicate, WG9252-4, had high recoveries for the extraction surrogate TCX on channel B, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX were within the acceptance limits on channel A and DCB on both channels, the samples were not reanalyzed.

Sample WU2522-8 had high recoveries for the extraction surrogates DCB, on both channels, and TCX on channel A, which were outside of the laboratory established acceptance limits. Since the recovery for TCX was within the acceptance limits on channel A, the sample was not reanalyzed.

The calibration verification standards (CV) (files 6UH4002 and 6UH4027) had high responses for TCX on channel B, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel A were acceptable, the associated samples were not reanalyzed.

The closing CV (file 6UH4042) had high responses for TCX on channel B and DCB on both channels, which resulted in %D's that were above the method acceptance limit of 15%.

The CVs (files 6UH3005 and 6UH3030) had low responses for Aroclor 1254 on channel A, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel B were acceptable, the associated samples were not reanalyzed.

The matrix spike duplicate, WG9252-4, had high recoveries for the spiked analytes Aroclor 1016 and Aroclor 1260, which were outside of the laboratory established acceptance limits. Since the matrix spike sample, WG9252-3, as well as the associated LCS had acceptable recoveries, the associated samples were not reanalyzed.

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

Metals Analysis

The samples of Katahdin Work Order WU2522 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. WU2522-(1-8) were digested for ICP analysis on 08/18/04 (QC Batch UH18ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2522-1 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.174 mg/L, corresponding to a dry-weight concentration of 17.4 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken. The measured lead concentration (0.0746 mg/L, corresponding to a dry-weight concentration of

0.746 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. The client was notified of this problem and directed the laboratory to report all associated lead results without taking corrective action.

ICP analyses of Work Order WU2522 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2522-(1-8) were digested for mercury analysis on 08/18/04 (QC Batch UH18HGS0) in accordance with USEPA Method 7471A. Katahdin Sample No. WU2522-1 was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin Work Order WU2522 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for copper (129.9%), mercury (70.8%), sodium (133.4%), and zinc (206.1%) in the matrix-spike aliquot of Katahdin Sample No. WU2522-4 are outside the laboratory's acceptance limits. The recoveries for copper (154.8%), lead (185.4%), mercury (68.3%), and zinc (262.3%) in the matrix-spike duplicate aliquot of Katahdin Sample No. WU2522-4 are outside the laboratory's acceptance limits. The recoveries for all other elements in these matrix-spiked aliquots 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).

The matrix-spike duplicate analysis of Katahdin Sample No. WU2522-4 for lead (23.4% RPD) exceeds the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample No. WU2522-4 exceeds the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for chromium (14.8% RPD).

Wet Chemistry Analysis

The samples of Katahdin Work Order WU2522 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

Maria Crouch
08.26.04
Maria Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WU2522 **SOW No.** SW846

Client Field ID	Lab Sample ID
C03V-10F-72-0804	WU2522-001
C03V-10F-72-0804	WU2522-001P
C03V-10F-72-0804	WU2522-001S
C03V-12EF-06-0804	WU2522-002
C03V-12EF-12-0804	WU2522-003
C03V-12EF-24-0804	WU2522-004
C03V-16EF-06-0804	WU2522-005
C03V-16EF-12-0804	WU2522-006
C03V-16EF-24-0804	WU2522-007
C03V-DUP07-0804	WU2522-008

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: George Brewer Name: George Brewer

Date: 08/23/04 Title: Inorganic Dept. Mgr.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: ICV

File: AUH18A Aug 18, 2004 11:31

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18881.92	94.4
ANTIMONY	600.0	580.65	96.8
ARSENIC	600.0	605.98	101.0
BARIUM	500.0	488.59	97.7
BERYLLIUM	500.0	497.73	99.5
CADMIUM	1250.0	1228.88	98.3
CALCIUM	20000.0	20598.96	103.0
CHROMIUM	500.0	502.91	100.6
COBALT	500.0	495.55	99.1
COPPER	500.0	492.96	98.6
IRON	20000.0	20379.51	101.9
LEAD	550.0	559.99	101.8
MAGNESIUM	20000.0	20982.82	104.9
MANGANESE	500.0	500.43	100.1
NICKEL	1000.0	1006.66	100.7
SELENIUM	550.0	528.37	96.1
SILVER	200.0	194.44	97.2
THALLIUM	600.0	590.69	98.4
TIN	500.0	499.68	99.9
VANADIUM	500.0	496.75	99.4
ZINC	1000.0	989.16	98.9

SAMPLE: CCV

File: AUH18A Aug 18, 2004 12:11

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48942.82	97.9
ANTIMONY	1000.0	996.09	99.6
ARSENIC	1000.0	989.37	98.9
BARIUM	1000.0	1024.87	102.5
BERYLLIUM	1000.0	1010.10	101.0
CADMIUM	1000.0	1010.19	101.0
CALCIUM	50000.0	50584.40	101.2
CHROMIUM	1000.0	991.82	99.2
COBALT	1000.0	993.60	99.4
COPPER	1000.0	993.04	99.3
IRON	20000.0	19868.60	99.3
LEAD	1000.0	986.81	98.7
MAGNESIUM	50000.0	50811.46	101.6
MANGANESE	1000.0	985.20	98.5
NICKEL	1000.0	1002.14	100.2
SELENIUM	1000.0	980.74	98.1
SILVER	250.0	246.83	98.7
THALLIUM	1000.0	989.51	99.0
TIN	1000.0	999.47	99.9
VANADIUM	1000.0	996.30	99.6
ZINC	1000.0	1007.57	100.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: CCV

File: AUH18A Aug 18, 2004 13:34

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48404.14	96.8
ANTIMONY	1000.0	1016.26	101.6
ARSENIC	1000.0	1025.38	102.5
BARIUM	1000.0	1019.75	102.0
BERYLLIUM	1000.0	993.13	99.3
CADMIUM	1000.0	1013.73	101.4
CALCIUM	50000.0	50819.16	101.6
CHROMIUM	1000.0	997.30	99.7
COBALT	1000.0	1015.97	101.6
COPPER	1000.0	1000.90	100.1
IRON	20000.0	20115.18	100.6
LEAD	1000.0	1009.92	101.0
MAGNESIUM	50000.0	51125.12	102.3
MANGANESE	1000.0	991.49	99.1
NICKEL	1000.0	1024.43	102.4
SELENIUM	1000.0	1002.86	100.3
SILVER	250.0	249.54	99.8
THALLIUM	1000.0	1011.34	101.1
TIN	1000.0	1030.60	103.1
VANADIUM	1000.0	974.37	97.4
ZINC	1000.0	1015.61	101.6

SAMPLE: CCV

File: AUH18A Aug 18, 2004 14:55

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48438.11	96.9
ANTIMONY	1000.0	1013.70	101.4
ARSENIC	1000.0	1017.01	101.7
BARIUM	1000.0	1017.73	101.8
BERYLLIUM	1000.0	981.74	98.2
CADMIUM	1000.0	990.59	99.1
CALCIUM	50000.0	50081.47	100.2
CHROMIUM	1000.0	987.13	98.7
COBALT	1000.0	1002.68	100.3
COPPER	1000.0	1004.63	100.5
IRON	20000.0	19922.56	99.6
LEAD	1000.0	1002.79	100.3
MAGNESIUM	50000.0	50679.58	101.4
MANGANESE	1000.0	983.29	98.3
NICKEL	1000.0	1008.30	100.8
SELENIUM	1000.0	998.08	99.8
SILVER	250.0	250.04	100.0
THALLIUM	1000.0	1000.45	100.0
TIN	1000.0	1018.35	101.8
VANADIUM	1000.0	970.28	97.0
ZINC	1000.0	1007.29	100.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: CCV

File: AUH18A Aug 18, 2004 16:15

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48837.16	97.7
ANTIMONY	1000.0	1027.00	102.7
ARSENIC	1000.0	1043.38	104.3
BARIUM	1000.0	1002.35	100.2
BERYLLIUM	1000.0	998.52	99.9
CADMIUM	1000.0	1001.69	100.2
CALCIUM	50000.0	51177.01	102.4
CHROMIUM	1000.0	1022.47	102.2
COBALT	1000.0	1033.29	103.3
COPPER	1000.0	1011.36	101.1
IRON	20000.0	20468.00	102.3
LEAD	1000.0	1035.52	103.6
MAGNESIUM	50000.0	51841.91	103.7
MANGANESE	1000.0	1013.24	101.3
NICKEL	1000.0	1029.16	102.9
SELENIUM	1000.0	1025.79	102.6
SILVER	250.0	251.86	100.7
THALLIUM	1000.0	1027.08	102.7
TIN	1000.0	1043.61	104.4
VANADIUM	1000.0	990.72	99.1
ZINC	1000.0	1014.05	101.4

SAMPLE: CCV

File: AUH18A Aug 18, 2004 17:35

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50039.84	100.1
ANTIMONY	1000.0	969.70	97.0
ARSENIC	1000.0	966.06	96.6
BARIUM	1000.0	1036.80	103.7
BERYLLIUM	1000.0	1014.40	101.4
CADMIUM	1000.0	974.92	97.5
CALCIUM	50000.0	49434.70	98.9
CHROMIUM	1000.0	992.42	99.2
COBALT	1000.0	968.46	96.8
COPPER	1000.0	1004.04	100.4
IRON	20000.0	19600.64	98.0
LEAD	1000.0	954.03	95.4
MAGNESIUM	50000.0	50664.67	101.3
MANGANESE	1000.0	984.47	98.4
NICKEL	1000.0	968.88	96.9
SELENIUM	1000.0	957.76	95.8
SILVER	250.0	247.86	99.1
THALLIUM	1000.0	966.62	96.7
TIN	1000.0	957.95	95.8
VANADIUM	1000.0	1014.00	101.4
ZINC	1000.0	987.51	98.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: CCV

File: AUH18A Aug 18, 2004 18:56

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48811.67	97.6
ANTIMONY	1000.0	924.96	92.5
ARSENIC	1000.0	909.90	91.0
BARIUM	1000.0	1014.15	101.4
BERYLLIUM	1000.0	991.28	99.1
CADMIUM	1000.0	947.55	94.8
CALCIUM	50000.0	47918.44	95.8
CHROMIUM	1000.0	959.77	96.0
COBALT	1000.0	929.02	92.9
COPPER	1000.0	969.14	96.9
IRON	20000.0	18880.91	94.4
LEAD	1000.0	910.07	91.0
MAGNESIUM	50000.0	49082.57	98.2
MANGANESE	1000.0	952.70	95.3
NICKEL	1000.0	933.51	93.4
SELENIUM	1000.0	912.53	91.3
SILVER	250.0	238.06	95.2
THALLIUM	1000.0	930.83	93.1
TIN	1000.0	907.64	90.8
VANADIUM	1000.0	994.45	99.4
ZINC	1000.0	951.74	95.2

SAMPLE: CCV

File: AUH18A Aug 18, 2004 19:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48429.97	96.9
ANTIMONY	1000.0	939.03	93.9
ARSENIC	1000.0	939.40	93.9
BARIUM	1000.0	1001.47	100.1
BERYLLIUM	1000.0	997.17	99.7
CADMIUM	1000.0	969.13	96.9
CALCIUM	50000.0	48800.35	97.6
CHROMIUM	1000.0	974.84	97.5
COBALT	1000.0	952.92	95.3
COPPER	1000.0	965.14	96.5
IRON	20000.0	19252.71	96.3
LEAD	1000.0	937.86	93.8
MAGNESIUM	50000.0	49682.74	99.4
MANGANESE	1000.0	966.35	96.6
NICKEL	1000.0	954.87	95.5
SELENIUM	1000.0	935.29	93.5
SILVER	250.0	238.38	95.4
THALLIUM	1000.0	951.43	95.1
TIN	1000.0	935.52	93.6
VANADIUM	1000.0	995.71	99.6
ZINC	1000.0	961.58	96.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: ICV

File: BUH18A Aug 18, 2004 17:25

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19958.41	99.8
CALCIUM	20000.0	19842.43	99.2
IRON	20000.0	20590.59	103.0
MAGNESIUM	20000.0	19829.62	99.1
POTASSIUM	20000.0	19206.34	96.0
SODIUM	20000.0	20060.59	100.3

SAMPLE: CCV

File: BUH18A Aug 18, 2004 18:02

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49404.48	98.8
CALCIUM	50000.0	51278.67	102.6
IRON	20000.0	20443.08	102.2
MAGNESIUM	50000.0	49662.31	99.3
POTASSIUM	50000.0	47951.74	95.9
SODIUM	50000.0	48522.38	97.0

(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:** WU2522

Concentration Units: ug/L

SAMPLE: CCV

File: BUH18A Aug 18, 2004 19:09

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49834.23	99.7
CALCIUM	50000.0	50348.25	100.7
IRON	20000.0	20373.13	101.9
MAGNESIUM	50000.0	49529.84	99.1
POTASSIUM	50000.0	49352.18	98.7
SODIUM	50000.0	51028.88	102.1

SAMPLE: CCV

File: BUH18A Aug 18, 2004 20:17

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49184.29	98.4
CALCIUM	50000.0	50089.94	100.2
IRON	20000.0	20466.63	102.3
MAGNESIUM	50000.0	49283.43	98.6
POTASSIUM	50000.0	47628.23	95.3
SODIUM	50000.0	48750.64	97.5

(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:** WU2522

Concentration Units: ug/L

SAMPLE: CCV

File: BUH18A Aug 18, 2004 21:24

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49397.43	98.8
CALCIUM	50000.0	50981.33	102.0
IRON	20000.0	20580.31	102.9
MAGNESIUM	50000.0	49740.50	99.5
POTASSIUM	50000.0	48683.73	97.4
SODIUM	50000.0	49253.08	98.5

SAMPLE: CCV

File: BUH18A Aug 18, 2004 21:58

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50446.87	100.9
CALCIUM	50000.0	51453.36	102.9
IRON	20000.0	20787.37	103.9
MAGNESIUM	50000.0	50257.24	100.5
POTASSIUM	50000.0	50642.42	101.3
SODIUM	50000.0	52164.54	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:** WU2522

Concentration Units: ug/L

SAMPLE: ICV

File: HUH18B Aug 18, 2004 14:16

Analyte	True	Found	%R (1)
MERCURY	6.0	6.59	109.8

SAMPLE: CCV

File: HUH18B Aug 18, 2004 14:41

Analyte	True	Found	%R (1)
MERCURY	5.0	4.76	95.2

(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:** WU2522

Concentration Units: ug/L

SAMPLE: CCV

File: HUH18B Aug 18, 2004 14:52

Analyte	True	Found	%R (1)
MERCURY	5.0	4.96	99.2

SAMPLE: CCV

File: HUH18B Aug 18, 2004 15:00

Analyte	True	Found	%R (1)
MERCURY	5.0	4.79	95.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: ICB

File: AUH18A Aug 18, 2004 11:37

Analyte	Result	C
ALUMINUM	27.85	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-6.06	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH18A Aug 18, 2004 12:18

Analyte	Result	C
ALUMINUM	25.06	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-5.99	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-1.06	B
IRON	13.13	B
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	-0.88	B
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH18A Aug 18, 2004 13:41

Analyte	Result	C
ALUMINUM	91.51	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.28	B
CADMIUM	0.30	U
CALCIUM	3.78	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-1.16	B
IRON	13.07	B
LEAD	1.70	U
MAGNESIUM	22.96	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: CCB

File: AUH18A Aug 18, 2004 15:02

Analyte	Result	C
ALUMINUM	66.98	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.22	B
BERYLLIUM	0.25	U
CADMIUM	0.30	B
CALCIUM	22.43	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	18.55	B
LEAD	1.70	U
MAGNESIUM	28.05	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.35	B

SAMPLE: CCB

File: AUH18A Aug 18, 2004 16:21

Analyte	Result	C
ALUMINUM	64.50	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	-10.32	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	-2.06	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH18A Aug 18, 2004 17:42

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	12.73	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.86	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	11.06	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: CCB

File: AUH18A Aug 18, 2004 19:03

Analyte	Result	C
ALUMINUM	-53.98	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	39.37	B
CHROMIUM	0.80	U
COBALT	0.76	B
COPPER	1.11	B
IRON	14.58	B
LEAD	1.70	U
MAGNESIUM	17.86	B
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

SAMPLE: CCB

File: AUH18A Aug 18, 2004 19:37

Analyte	Result	C
ALUMINUM	-92.76	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
BARIUM	0.17	U
BERYLLIUM	0.25	U
CADMIUM	0.30	U
CALCIUM	15.45	B
CHROMIUM	0.80	U
COBALT	0.64	U
COPPER	0.94	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
NICKEL	0.85	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U
VANADIUM	0.75	U
ZINC	0.25	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: ICB

File: BUH18A Aug 18, 2004 17:31

Analyte	Result	C
ALUMINUM	-34.38	B
CALCIUM	-89.13	
IRON	5.05	U
MAGNESIUM	24.70	U
POTASSIUM	238.00	U
SODIUM	19.10	U

SAMPLE: CCB

File: BUH18A Aug 18, 2004 18:07

Analyte	Result	C
ALUMINUM	-27.00	B
CALCIUM	-87.06	
IRON	5.05	U
MAGNESIUM	-38.83	B
POTASSIUM	-913.71	B
SODIUM	-47.37	B

SAMPLE: CCB

File: BUH18A Aug 18, 2004 19:15

Analyte	Result	C
ALUMINUM	-19.20	B
CALCIUM	-53.50	
IRON	6.75	B
MAGNESIUM	24.70	U
POTASSIUM	-617.00	B
SODIUM	19.10	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: CCB

File: BUH18A Aug 18, 2004 20:23

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	-27.23	B
IRON	5.05	U
MAGNESIUM	-34.20	B
POTASSIUM	-727.02	B
SODIUM	19.10	U

SAMPLE: CCB

File: BUH18A Aug 18, 2004 21:30

Analyte	Result	C
ALUMINUM	-24.09	B
CALCIUM	-83.02	
IRON	5.05	U
MAGNESIUM	-32.28	B
POTASSIUM	-440.73	B
SODIUM	-22.20	B

SAMPLE: CCB

File: BUH18A Aug 18, 2004 22:04

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	-67.30	
IRON	9.32	B
MAGNESIUM	24.70	U
POTASSIUM	-708.02	B
SODIUM	-21.31	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: ICB

File: HUH18B Aug 18, 2004 14:18

Analyte	Result	C
MERCURY	0.07	B

SAMPLE: CCB

File: HUH18B Aug 18, 2004 14:44

Analyte	Result	C
MERCURY	0.07	B

SAMPLE: CCB

File: HUH18B Aug 18, 2004 14:54

Analyte	Result	C
MERCURY	0.07	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Concentration Units: ug/L

SAMPLE: CCB

File: HUH18B Aug 18, 2004 15:02

Analyte	Result	C
MERCURY	0.07	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH18HGS0

Matrix: SOIL **SDG Name:** WU2522

QC Batch ID: UH18HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.018	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH18ICS0

Matrix: SOIL **SDG Name:** WU2522

QC Batch ID: UH18ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ALUMINUM	6.380	B
ANTIMONY	0.230	U
ARSENIC	0.300	U
BARIUM	0.026	B
BERYLLIUM	0.020	U
CADMIUM	0.034	B
CALCIUM	17.380	
CHROMIUM	0.108	B
COBALT	0.060	U
COPPER	0.090	U
IRON	2.315	B
LEAD	0.746	
MAGNESIUM	2.175	B
MANGANESE	0.072	B
NICKEL	0.090	U
POTASSIUM	-67.406	B
SELENIUM	0.370	U
SILVER	0.070	U
SODIUM	6.520	B
THALLIUM	0.410	U
TIN	2.996	B
VANADIUM	0.070	U
ZINC	0.326	B

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOUH18HGS0

Matrix: SOIL **SDG Name:** WU2522

QC Batch ID: UH18HGS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	5.73	114.6	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOUH18ICS0

Matrix: SOIL **SDG Name:** WU2522

QC Batch ID: UH18ICS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	1843.68	92.2	80	120
ANTIMONY	500.0	481.48	96.3	80	120
ARSENIC	500.0	501.30	100.3	80	120
BARIUM	2000.0	1913.45	95.7	80	120
BERYLLIUM	50.0	48.31	96.6	80	120
CADMIUM	250.0	245.07	98.0	80	120
CALCIUM	2500.0	2671.45	106.9	80	120
CHROMIUM	200.0	199.34	99.7	80	120
COBALT	500.0	483.22	96.6	80	120
COPPER	250.0	240.76	96.3	80	120
IRON	1000.0	975.71	97.6	80	120
LEAD	500.0	514.54	102.9	80	120
MAGNESIUM	5000.0	5332.10	106.6	80	120
MANGANESE	500.0	493.14	98.6	80	120
NICKEL	500.0	490.80	98.2	80	120
POTASSIUM	10000.0	8648.41	86.5	80	120
SELENIUM	500.0	490.11	98.0	80	120
SILVER	50.0	47.51	95.0	80	120
SODIUM	7500.0	7313.76	97.5	80	120
THALLIUM	500.0	488.10	97.6	80	120
TIN	500.0	516.87	103.4	80	120
VANADIUM	500.0	483.31	96.7	80	120
ZINC	500.0	491.71	98.3	80	120

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	18.30	P
ANTIMONY	8.0	2.34	P
ARSENIC	8.0	3.03	P
BARIUM	5.0	0.17	P
BERYLLIUM	5.0	0.25	P
CADMIUM	10	0.30	P
CALCIUM	50	3.13	P
CHROMIUM	15	0.80	P
COBALT	30	0.64	P
COPPER	25	0.86	P
IRON	100	10.70	P
LEAD	5.0	1.70	P
MAGNESIUM	50	7.52	P
MANGANESE	5.0	0.13	P
NICKEL	40	0.85	P
SELENIUM	10	3.71	P
SILVER	15	0.70	P
THALLIUM	15	4.09	P
TIN	100	1.79	P
VANADIUM	25	0.75	P
ZINC	25	0.25	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
CALCIUM	50	21.40	P
POTASSIUM	1000	238.00	P
SODIUM	1000	19.10	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH18HGS0

Matrix: SOIL **SDG Name:** WU2522

Method: CV **Prep Date:** 08/18/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH18HGS0	LCSOUH18HGS0	0.6	0.1
PBSUH18HGS0	PBSUH18HGS0	0.6	0.1
C03V-10F-72-0804	WU2522-001	0.73	0.1
C03V-10F-72-0804P	WU2522-001P	0.68	0.1
C03V-10F-72-0804S	WU2522-001S	0.66	0.1
C03V-12EF-06-0804	WU2522-002	0.67	0.1
C03V-12EF-12-0804	WU2522-003	0.7	0.1
C03V-12EF-24-0804	WU2522-004	0.7	0.1
C03V-16EF-06-0804	WU2522-005	0.66	0.1
C03V-16EF-12-0804	WU2522-006	0.76	0.1
C03V-16EF-24-0804	WU2522-007	0.72	0.1
C03V-DUP07-0804	WU2522-008	0.73	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH18ICS0

Matrix: SOIL **SDG Name:** WU2522

Method: P **Prep Date:** 08/18/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH18ICS0	LCSOUH18ICS0	1	0.1
PBSUH18ICS0	PBSUH18ICS0	1	0.1
C03V-10F-72-0804	WU2522-001	1.15	0.1
C03V-10F-72-0804P	WU2522-001P	1.15	0.1
C03V-10F-72-0804S	WU2522-001S	1.15	0.1
C03V-12EF-06-0804	WU2522-002	1.24	0.1
C03V-12EF-12-0804	WU2522-003	1.46	0.1
C03V-12EF-24-0804	WU2522-004	1.36	0.1
C03V-16EF-06-0804	WU2522-005	1.15	0.1
C03V-16EF-12-0804	WU2522-006	1.54	0.1
C03V-16EF-24-0804	WU2522-007	1.38	0.1
C03V-DUP07-0804	WU2522-008	1.6	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Instrument ID: TJA TRACE ICP **File Name:** AUH18A

Date: 8/18/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements										
S0		1	10:47	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
S1		1	10:54	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
AL_IEC		1	11:04	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
FE_IEC		1	11:10	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
MN_IEC		1	11:17	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
IEC		1	11:24	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
ICV		1	11:31	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
ICB		1	11:37	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
PQL		1	11:44	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
CRI		1	11:51	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
ICSA		1	11:58	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
ICSAB		1	12:04	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
CCV		1	12:11	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
CCB		1	12:18	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
ZZZZZZ		1	12:27											
ZZZZZZ		1	12:34											
ZZZZZZ		2	12:41											
ZZZZZZ		1	12:47											
ZZZZZZ		1	12:54											
ZZZZZZ		1	13:01											
ZZZZZZ		1	13:07											
ZZZZZZ		1	13:14											
ZZZZZZ		1	13:21											
ZZZZZZ		5	13:27											
CCV		1	13:34	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
CCB		1	13:41	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
ZZZZZZ		1	13:48											
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											
CCV		1	14:55	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
CCB		1	15:02	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
ZZZZZZ		1	15:08											
ZZZZZZ		1	15:15											
ZZZZZZ		1	15:22											
ZZZZZZ		1	15:29											
ZZZZZZ		1	15:35											
ZZZZZZ		20	15:42											
CRI		1	15:55	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
ICSA		1	16:01	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
ICSAB		1	16:08	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
CCV		1	16:15	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
CCB		1	16:21	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				
PBSUH18ICS0		1	16:28	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg Mn	Ni	Se	Ag	Tl Sn	V Zn				

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Instrument ID: TJA TRACE ICP **File Name:** AUH18A

Date: 8/18/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																				
LCSOUH18ICS0		1	16:35	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-001	C03V-10F-72-0804	1	16:41	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-002	C03V-12EF-06-0804	1	16:48	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-003	C03V-12EF-12-0804	1	16:55	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-004	C03V-12EF-24-0804	1	17:02	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-005	C03V-16EF-06-0804	1	17:08	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-006	C03V-16EF-12-0804	1	17:15	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-007	C03V-16EF-24-0804	1	17:22	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-008	C03V-DUP07-0804	1	17:28	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	17:35	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	17:42	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-001L	C03V-10F-72-0804L	5	17:48	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-001S	C03V-10F-72-0804S	1	17:55	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
WU2522-001P	C03V-10F-72-0804P	1	18:02	Al	Sb	As	Ba	Be	Cd		Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ZZZZZZ		1	18:09																					
ZZZZZZ		1	18:15																					
ZZZZZZ		1	18:23																					
ZZZZZZ		1	18:30																					
ZZZZZZ		1	18:36																					
ZZZZZZ		1	18:43																					
ZZZZZZ		1	18:50																					
CCV		1	18:56	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	19:03	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CRI		1	19:10	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSA		1	19:16	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
ICSAB		1	19:23	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCV		1	19:30	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn
CCB		1	19:37	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Se	Ag	Tl	Sn	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Instrument ID: TJA 61 ICP **File Name:** BUH18A

Date: 8/18/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
S0		1	16:57	Al	Ca	Fe	Mg	K	Na
S1		1	17:03	Al	Ca	Fe	Mg	K	Na
AL IEC		1	17:09	Al	Ca	Fe	Mg	K	Na
FE IEC		1	17:17	Al	Ca	Fe	Mg	K	Na
ICV		1	17:25	Al	Ca	Fe	Mg	K	Na
ICB		1	17:31	Al	Ca	Fe	Mg	K	Na
PQL		1	17:37	Al	Ca	Fe	Mg	K	Na
CRI		1	17:42	Al	Ca	Fe	Mg	K	Na
ICSA		1	17:48	Al	Ca	Fe	Mg	K	Na
ICSAB		1	17:54	Al	Ca	Fe	Mg	K	Na
CCV		1	18:02	Al	Ca	Fe	Mg	K	Na
CCB		1	18:07	Al	Ca	Fe	Mg	K	Na
ZZZZZZ		1	18:13						
ZZZZZZ		1	18:19						
ZZZZZZ		1	18:24						
ZZZZZZ		1	18:30						
ZZZZZZ		1	18:35						
ZZZZZZ		1	18:41						
ZZZZZZ		1	18:47						
PBSUH18ICS0		1	18:52					K	Na
LCSOUH18ICS0		1	18:58					K	Na
WU2522-001	C03V-10F-72-0804	1	19:04					K	Na
CCV		1	19:09	Al	Ca	Fe	Mg	K	Na
CCB		1	19:15	Al	Ca	Fe	Mg	K	Na
WU2522-001L	C03V-10F-72-0804L	5	19:21					K	Na
WU2522-001S	C03V-10F-72-0804S	1	19:26					K	Na
WU2522-001P	C03V-10F-72-0804P	1	19:32					K	Na
WU2522-002	C03V-12EF-06-0804	1	19:37					K	Na
WU2522-003	C03V-12EF-12-0804	1	19:43					K	Na
WU2522-004	C03V-12EF-24-0804	1	19:49					K	Na
WU2522-005	C03V-16EF-06-0804	1	19:54					K	Na
WU2522-006	C03V-16EF-12-0804	1	20:00					K	Na
WU2522-007	C03V-16EF-24-0804	1	20:06					K	Na
WU2522-008	C03V-DUP07-0804	1	20:11					K	Na
CCV		1	20:17	Al	Ca	Fe	Mg	K	Na
CCB		1	20:23	Al	Ca	Fe	Mg	K	Na
WU2522-001	C03V-10F-72-0804	10	20:28		Ca				
WU2522-001L	C03V-10F-72-0804L	50	20:34		Ca				
WU2522-001S	C03V-10F-72-0804S	10	20:39		Ca				
WU2522-001P	C03V-10F-72-0804P	10	20:45		Ca				
WU2522-002	C03V-12EF-06-0804	10	20:51		Ca				
WU2522-003	C03V-12EF-12-0804	10	20:56		Ca				
WU2522-004	C03V-12EF-24-0804	10	21:02		Ca				
WU2522-005	C03V-16EF-06-0804	10	21:08		Ca				
WU2522-006	C03V-16EF-12-0804	10	21:13		Ca				
WU2522-007	C03V-16EF-24-0804	10	21:19		Ca				
CCV		1	21:24	Al	Ca	Fe	Mg	K	Na
CCB		1	21:30	Al	Ca	Fe	Mg	K	Na
WU2522-008	C03V-DUP07-0804	10	21:36		Ca				
CRI		1	21:41	Al	Ca	Fe	Mg	K	Na

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Instrument ID: TJA 61 ICP **File Name:** BUH18A

Date: 8/18/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ICSA		1	21:47	Al	Ca	Fe	Mg	K	Na
ICSAB		1	21:53	Al	Ca	Fe	Mg	K	Na
CCV		1	21:58	Al	Ca	Fe	Mg	K	Na
CCB		1	22:04	Al	Ca	Fe	Mg	K	Na

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2522

Instrument ID: CETAC M6100 **File Name:** HUH18B

Date: 8/18/2004 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	14:03	Hg
Standard #1 (0.2 p		1	14:05	Hg
Standard #2 (0.5 p		1	14:08	Hg
Standard #3 (1.0 p		1	14:10	Hg
Standard #4 (5.0 p		1	14:12	Hg
Standard #5 (10.0		1	14:14	Hg
ICV		1	14:16	HG
ICB		1	14:18	HG
CRA		1	14:20	HG
LCSOUH18HGS0		1	14:22	HG
PBSUH18HGS0		1	14:24	HG
WU2522-001	C03V-10F-72-0804	1	14:27	HG
WU2522-001P	C03V-10F-72-0804P	1	14:29	HG
WU2522-001S	C03V-10F-72-0804S	1	14:31	HG
WU2522-002	C03V-12EF-06-0804	1	14:33	HG
WU2522-003	C03V-12EF-12-0804	1	14:35	HG
WU2522-004	C03V-12EF-24-0804	1	14:37	HG
WU2522-005	C03V-16EF-06-0804	1	14:39	HG
CCV		1	14:41	HG
CCB		1	14:44	HG
WU2522-006	C03V-16EF-12-0804	1	14:46	HG
WU2522-007	C03V-16EF-24-0804	1	14:48	HG
ZZZZZZ		1	14:50	
CCV		1	14:52	HG
CCB		1	14:54	HG
WU2522-008	C03V-DUP07-0804	2	14:58	HG
CCV		1	15:00	HG
CCB		1	15:02	HG

FIELD DUPLICATE PRECISION

ANALYTE	C03V-DUP07-0804	C03V-12EF-24-0804	RPD	DIFFERENCE
Aluminum	470	584	21.63	114
Antimony	0.77	1.1	35.29	0.33
Arsenic	0.65	0.52	22.22	0.13
Barium	50.1	56.5	12.01	6.4
Beryllium	0.02U	0.02U	#VALUE!	#VALUE!
Cadmium	0.13	0.13U	#VALUE!	~~#VALUE!~~ 0.13
Calcium	272000	323000	17.14	51000
Chromium	2.4	2.8	15.38	0.4
Cobalt	0.13U	0.26U	#VALUE!	#VALUE!
Copper	62.8	52	18.82	10.8
Iron	393	591	40.24	198
Lead	19.3	26.7	32.17	7.4
Magnesium	1250	1530	20.14	280
Manganese	24.9	47	61.47	22.1
Mercury	2.1	1.2	54.55	0.9
Nickel	0.51	0.72	34.15	0.21
Potassium	17.43U	36.5	#VALUE!	~~#VALUE!~~ 36.5
Selenium	0.27U	0.33U	#VALUE!	#VALUE!
Silver	0.05U	0.06U	#VALUE!	#VALUE!
Sodium	1100	1240	11.97	140
Thallium	0.30U	0.4	#VALUE!	~~#VALUE!~~ 0.4
Tin	3.2U	6.2U	#VALUE!	#VALUE!
Vanadium	0.82	1.1	29.17	0.28
Zinc	33.3	41.5	21.93	8.2

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 10, 2004**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- PCB CTO 349, NAS KEY WEST SDG WU2523**		
SAMPLES:	17/Soil		

C03V-13S-06-0804	C03V-13S-12-0804	C03V-13S-24-0804
C03V-13W-06-0804	C03V-13W-12-0804	C03V-13W-24-0804
C03V-14S-06-0804	C03V-14S-12-0804	C03V-14S-24-0804
C03V-15S-06-0804	C03V-15S-12-0804	C03V-15S-24-0804
C03V-16S-06-0804	C03V-16S-12-0804	C03V-16S-24-0804
C03V-DUP08-0804	C03V-DUP09-0804	

OVERVIEW

The sample set for CTO 349, NAS Key West, SDG WU2523 consists of fifteen (15) environmental soil samples and two (2) field duplicates. All samples were analyzed for polychlorinated biphenyls (PCB). The field duplicate pair included in this SDG are (C03V-DUP08-0804 / C03V-15S-06-0804) and (C03V-DUP09-0804 / C03V-13S-12-0804).

The samples were collected by TetraTech NUS on August 16, 2004 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 SW-846 Method 8082 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- * Data completeness
- * Holding times
- * Initial and continuing calibration
- Surrogate recovery
- * Laboratory method and field quality control blank results
- * Field duplicate precision
- 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. Results as reported by the laboratory are presented in Appendix B.

PCB

All samples except C03V-16S-12-0804 had at least two surrogates below percent recovery quality control criterion. Positive and non-detected results were qualified as estimated (J, UJ) in all samples except C03V-16S-12-0804.

The result for Aroclor 1254 exceeded the 25% difference between analytical columns quality control criterion in sample C03V-15S-12-0804. The result for Aroclor 1254 was qualified as estimated (J) in sample C03V-15S-12-0804.

Sample C03V-16S-0804 was analyzed at a 2X dilution because the concentration of Aroclor 1260 exceeded the linear calibration range of the instrument. The sample was not reported un-diluted. This accounts for the elevated reporting limits for all non-detected analytes in the aforementioned samples.

Positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Qualifications were made based on percent difference between analytical columns. Surrogate recoveries were low in all samples except C03V-16S-12-0804.

Other Factors Affecting Data Quality: None.

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

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

Bernard F. Spada III

Tetra Tech NUS
Bernard F. Spada III
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration 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: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-13S-06-0804	nsample	C03V-13S-12-0804	nsample	C03V-13S-24-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2523-10	lab_id	WU2523-11	lab_id	WU2523-12
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	89.5	Pct_Solids	88.3	Pct_Solids	81.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	UJ	R
AROCLOR-1221	19	UJ	R
AROCLOR-1232	19	UJ	R
AROCLOR-1242	19	UJ	R
AROCLOR-1248	19	UJ	R
AROCLOR-1254	19	UJ	R
AROCLOR-1260	16	J	PR

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	UJ	R
AROCLOR-1221	19	UJ	R
AROCLOR-1232	19	UJ	R
AROCLOR-1242	19	UJ	R
AROCLOR-1248	19	UJ	R
AROCLOR-1254	19	UJ	R
AROCLOR-1260	19	UJ	R

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	21	UJ	R
AROCLOR-1221	21	UJ	R
AROCLOR-1232	21	UJ	R
AROCLOR-1242	21	UJ	R
AROCLOR-1248	21	UJ	R
AROCLOR-1254	21	UJ	R
AROCLOR-1260	21	UJ	R

PROJ_NO: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-13W-06-0804
samp_date	8/16/2004
lab_id	WU2523-13
qc_type	NM
units	UG/KG
Pct_Solids	88.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	UJ	R
AROCLOR-1221	19	UJ	R
AROCLOR-1232	19	UJ	R
AROCLOR-1242	19	UJ	R
AROCLOR-1248	19	UJ	R
AROCLOR-1254	19	UJ	R
AROCLOR-1260	19	UJ	R

nsample	C03V-13W-12-0804
samp_date	8/16/2004
lab_id	WU2523-14
qc_type	NM
units	UG/KG
Pct_Solids	80.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	21	UJ	R
AROCLOR-1221	21	UJ	R
AROCLOR-1232	21	UJ	R
AROCLOR-1242	21	UJ	R
AROCLOR-1248	21	UJ	R
AROCLOR-1254	21	UJ	R
AROCLOR-1260	21	UJ	R

nsample	C03V-13W-24-0804
samp_date	8/16/2004
lab_id	WU2523-15
qc_type	NM
units	UG/KG
Pct_Solids	89.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	UJ	R
AROCLOR-1221	19	UJ	R
AROCLOR-1232	19	UJ	R
AROCLOR-1242	19	UJ	R
AROCLOR-1248	19	UJ	R
AROCLOR-1254	19	UJ	R
AROCLOR-1260	19	UJ	R

PROJ_NO: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-14S-06-0804
samp_date	8/16/2004
lab_id	WU2523-7
qc_type	NM
units	UG/KG
Pct_Solids	78.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	22	UJ	R
AROCLOR-1221	22	UJ	R
AROCLOR-1232	22	UJ	R
AROCLOR-1242	22	UJ	R
AROCLOR-1248	22	UJ	R
AROCLOR-1254	22	UJ	R
AROCLOR-1260	22	UJ	R

nsample	C03V-14S-12-0804
samp_date	8/16/2004
lab_id	WU2523-8
qc_type	NM
units	UG/KG
Pct_Solids	77.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	22	UJ	R
AROCLOR-1221	22	UJ	R
AROCLOR-1232	22	UJ	R
AROCLOR-1242	22	UJ	R
AROCLOR-1248	22	UJ	R
AROCLOR-1254	22	UJ	R
AROCLOR-1260	22	UJ	R

nsample	C03V-14S-24-0804
samp_date	8/16/2004
lab_id	WU2523-9
qc_type	NM
units	UG/KG
Pct_Solids	75.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	22	UJ	R
AROCLOR-1221	22	UJ	R
AROCLOR-1232	22	UJ	R
AROCLOR-1242	22	UJ	R
AROCLOR-1248	22	UJ	R
AROCLOR-1254	22	UJ	R
AROCLOR-1260	22	UJ	R

PROJ_NO: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-15S-06-0804	nsample	C03V-15S-12-0804	nsample	C03V-15S-24-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2523-4	lab_id	WU2523-5	lab_id	WU2523-6
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	93.1	Pct_Solids	90.3	Pct_Solids	74.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	UJ	R
AROCLOR-1221	18	UJ	R
AROCLOR-1232	18	UJ	R
AROCLOR-1242	18	UJ	R
AROCLOR-1248	18	UJ	R
AROCLOR-1254	18	UJ	R
AROCLOR-1260	18	J	PR

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	UJ	R
AROCLOR-1221	19	UJ	R
AROCLOR-1232	19	UJ	R
AROCLOR-1242	19	UJ	R
AROCLOR-1248	19	UJ	R
AROCLOR-1254	110	J	RU
AROCLOR-1260	200	J	R

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	23	UJ	R
AROCLOR-1221	23	UJ	R
AROCLOR-1232	23	UJ	R
AROCLOR-1242	23	UJ	R
AROCLOR-1248	23	UJ	R
AROCLOR-1254	23	UJ	R
AROCLOR-1260	23	UJ	R

PROJ_NO: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-16S-06-0804	nsample	C03V-16S-12-0804	nsample	C03V-16S-24-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2523-1	lab_id	WU2523-2DL	lab_id	WU2523-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	91.1	Pct_Solids	86.1	Pct_Solids	78.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	UJ	R
AROCLOR-1221	19	UJ	R
AROCLOR-1232	19	UJ	R
AROCLOR-1242	19	UJ	R
AROCLOR-1248	19	UJ	R
AROCLOR-1254	19	UJ	R
AROCLOR-1260	19	UJ	R

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	39	U	
AROCLOR-1221	39	U	
AROCLOR-1232	39	U	
AROCLOR-1242	39	U	
AROCLOR-1248	39	U	
AROCLOR-1254	39	U	
AROCLOR-1260	4400		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	22	UJ	R
AROCLOR-1221	22	UJ	R
AROCLOR-1232	22	UJ	R
AROCLOR-1242	22	UJ	R
AROCLOR-1248	22	UJ	R
AROCLOR-1254	22	UJ	R
AROCLOR-1260	68	J	R

PROJ_NO: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-DUP08-0804	nsample	C03V-DUP09-0804
samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2523-16	lab_id	WU2523-17
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	79.3	Pct_Solids	89.4
DUP_OF:	C03V-15S-06-0804	DUP_OF:	C03V-13S-12-0804

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	21	UJ	R
AROCLOR-1221	21	UJ	R
AROCLOR-1232	21	UJ	R
AROCLOR-1242	21	UJ	R
AROCLOR-1248	21	UJ	R
AROCLOR-1254	21	UJ	R
AROCLOR-1260	21	UJ	R

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	UJ	R
AROCLOR-1221	19	UJ	R
AROCLOR-1232	19	UJ	R
AROCLOR-1242	19	UJ	R
AROCLOR-1248	19	UJ	R
AROCLOR-1254	19	UJ	R
AROCLOR-1260	19	UJ	R

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 89.4

Lab ID: WU2523-10
Client ID: C03V-13S-06-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.2
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.9
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.5
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.2
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260	J	16	1.0	17	19	9.6
877-09-8	Tetrachloro-m-xylene		* 31%				
2051-24-3	Decachlorobiphenyl		65%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 88.3

Lab ID: WU2523-11
Client ID: C03V-13S-12-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.3
11141-16-5	Aroclor-1232	U	19	1.0	17	19	6.0
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.6
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.4
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.3
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.7
877-09-8	Tetrachloro-m-xylene		* 34%				
2051-24-3	Decachlorobiphenyl		* 47%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 81.5

Lab ID: WU2523-12
Client ID: C03V-13S-24-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	21	1.0	17	21	13
11104-28-2	Aroclor-1221	U	21	1.0	17	21	10
11141-16-5	Aroclor-1232	U	21	1.0	17	21	6.5
53469-21-9	Aroclor-1242	U	21	1.0	17	21	8.2
12672-29-6	Aroclor-1248	U	21	1.0	17	21	10
11097-69-1	Aroclor-1254	U	21	1.0	17	21	5.8
11096-82-5	Aroclor-1260	U	21	1.0	17	21	10
877-09-8	Tetrachloro-m-xylene		* 40%				
2051-24-3	Decachlorobiphenyl		* 47%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 88.0

Lab ID: WU2523-13
Client ID: C03V-13W-06-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.3
11141-16-5	Aroclor-1232	U	19	1.0	17	19	6.0
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.6
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.4
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.3
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.7
877-09-8	Tetrachloro-m-xylene		* 32%				
2051-24-3	Decachlorobiphenyl		66%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/24/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 80.4

Lab ID: WU2523-14
Client ID: C03V-13W-12-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	21	1.0	17	21	13
11104-28-2	Aroclor-1221	U	21	1.0	17	21	10
11141-16-5	Aroclor-1232	U	21	1.0	17	21	6.6
53469-21-9	Aroclor-1242	U	21	1.0	17	21	8.4
12672-29-6	Aroclor-1248	U	21	1.0	17	21	10
11097-69-1	Aroclor-1254	U	21	1.0	17	21	5.8
11096-82-5	Aroclor-1260	U	21	1.0	17	21	11
877-09-8	Tetrachloro-m-xylene		* 36%				
2051-24-3	Decachlorobiphenyl		65%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/24/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 89.8

Lab ID: WU2523-15
Client ID: C03V-13W-24-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.1
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.9
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.5
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.2
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.6
877-09-8	Tetrachloro-m-xylene		* 40%				
2051-24-3	Decachlorobiphenyl		66%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 78.2

Lab ID: WU2523-7
Client ID: C03V-14S-06-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	22	1.0	17	22	13
11104-28-2	Aroclor-1221	U	22	1.0	17	22	10
11141-16-5	Aroclor-1232	U	22	1.0	17	22	6.8
53469-21-9	Aroclor-1242	U	22	1.0	17	22	8.6
12672-29-6	Aroclor-1248	U	22	1.0	17	22	10
11097-69-1	Aroclor-1254	U	22	1.0	17	22	6.0
11096-82-5	Aroclor-1260	U	22	1.0	17	22	11
877-09-8	Tetrachloro-m-xylene		* 33%				
2051-24-3	Decachlorobiphenyl		57%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 77.5

Lab ID: WU2523-8
Client ID: C03V-14S-12-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	22	1.0	17	22	14
11104-28-2	Aroclor-1221	U	22	1.0	17	22	10
11141-16-5	Aroclor-1232	U	22	1.0	17	22	6.8
53469-21-9	Aroclor-1242	U	22	1.0	17	22	8.7
12672-29-6	Aroclor-1248	U	22	1.0	17	22	11
11097-69-1	Aroclor-1254	U	22	1.0	17	22	6.1
11096-82-5	Aroclor-1260	U	22	1.0	17	22	11
877-09-8	Tetrachloro-m-xylene		* 38%				
2051-24-3	Decachlorobiphenyl		63%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 75.8

Lab ID: WU2523-9
Client ID: C03V-14S-24-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	22	1.0	17	22	14
11104-28-2	Aroclor-1221	U	22	1.0	17	22	11
11141-16-5	Aroclor-1232	U	22	1.0	17	22	7.0
53469-21-9	Aroclor-1242	U	22	1.0	17	22	8.9
12672-29-6	Aroclor-1248	U	22	1.0	17	22	11
11097-69-1	Aroclor-1254	U	22	1.0	17	22	6.2
11096-82-5	Aroclor-1260	U	22	1.0	17	22	11
877-09-8	Tetrachloro-m-xylene		* 31%				
2051-24-3	Decachlorobiphenyl		* 31%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 93.1

Lab ID: WU2523-4
Client ID: C03V-15S-06-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.7
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.9
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	J	18	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		* 35%				
2051-24-3	Decachlorobiphenyl		* 55%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 90.3

Lab ID: WU2523-5
Client ID: C03V-15S-12-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.1
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.1
11097-69-1	Aroclor-1254		110	1.0	17	19	5.2
11096-82-5	Aroclor-1260		200	1.0	17	19	9.5
877-09-8	Tetrachloro-m-xylene		* 35%				
2051-24-3	Decachlorobiphenyl		* 51%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 74.6

Lab ID: WU2523-6
Client ID: C03V-15S-24-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	23	1.0	17	23	14
11104-28-2	Aroclor-1221	U	23	1.0	17	23	11
11141-16-5	Aroclor-1232	U	23	1.0	17	23	7.1
53469-21-9	Aroclor-1242	U	23	1.0	17	23	9.0
12672-29-6	Aroclor-1248	U	23	1.0	17	23	11
11097-69-1	Aroclor-1254	U	23	1.0	17	23	6.3
11096-82-5	Aroclor-1260	U	23	1.0	17	23	12
877-09-8	Tetrachloro-m-xylene		* 33%				
2051-24-3	Decachlorobiphenyl		* 39%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 91.1

Lab ID: WU2523-1
Client ID: C03V-16S-06-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.0
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.8
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.4
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.1
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.4
877-09-8	Tetrachloro-m-xylene		* 31%				
2051-24-3	Decachlorobiphenyl		57%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/24/04
Report Date: 08/26/2004
Matrix: SOIL
% Solids: 86.1

Lab ID: WU2523-2DL
Client ID: C03V-16S-12-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	39	2.0	17	39	24
11104-28-2	Aroclor-1221	U	39	2.0	17	39	19
11141-16-5	Aroclor-1232	U	39	2.0	17	39	12
53469-21-9	Aroclor-1242	U	39	2.0	17	39	16
12672-29-6	Aroclor-1248	U	39	2.0	17	39	19
11097-69-1	Aroclor-1254	U	39	2.0	17	39	11
11096-82-5	Aroclor-1260		4400	2.0	17	39	20
877-09-8	Tetrachloro-m-xylene		54%				
2051-24-3	Decachlorobiphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/23/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 78.2

Lab ID: WU2523-3
Client ID: C03V-16S-24-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	22	1.0	17	22	13
11104-28-2	Aroclor-1221	U	22	1.0	17	22	10
11141-16-5	Aroclor-1232	U	22	1.0	17	22	6.7
53469-21-9	Aroclor-1242	U	22	1.0	17	22	8.6
12672-29-6	Aroclor-1248	U	22	1.0	17	22	10
11097-69-1	Aroclor-1254	U	22	1.0	17	22	6.0
11096-82-5	Aroclor-1260		68	1.0	17	22	11
877-09-8	Tetrachloro-m-xylene		47%				
2051-24-3	Decachlorobiphenyl		* 45%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/24/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 79.3

Lab ID: WU2523-16
Client ID: C03V-DUP08-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	21	1.0	17	21	13
11104-28-2	Aroclor-1221	U	21	1.0	17	21	10
11141-16-5	Aroclor-1232	U	21	1.0	17	21	6.6
53469-21-9	Aroclor-1242	U	21	1.0	17	21	8.5
12672-29-6	Aroclor-1248	U	21	1.0	17	21	10
11097-69-1	Aroclor-1254	U	21	1.0	17	21	5.9
11096-82-5	Aroclor-1260	U	21	1.0	17	21	11
877-09-8	Tetrachloro-m-xylene		* 31%				
2051-24-3	Decachlorobiphenyl		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/24/04
Report Date: 08/24/2004
Matrix: SOIL
% Solids: 89.4

Lab ID: WU2523-17
Client ID: C03V-DUP09-0804
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.2
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.9
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.5
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.2
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.2
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.6
877-09-8	Tetrachloro-m-xylene		* 31%				
2051-24-3	Decachlorobiphenyl		* 55%				

APPENDIX C

SUPPORT DOCUMENTATION

FIELD DUPLICATE PRECISION

ANALYTE	C03V-DUP08-0804	C03V-15S-06-0804	RPD	DIFFERENCE
Aroclor 1260	21U	18	#VALUE!	#VALUE!
ANALYTE	**C03V-DUP09-0804**	**C03V-13S-12-0804**	**RPD**	**DIFFERENCE**
No compounds detected.			#DIV/0!	0

HOLDTIME

SDG WU2523

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-16S-06-0804	WU2523-001	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13S-06-0804	WU2523-010	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-DUP09-0804	WU2523-017	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-DUP08-0804	WU2523-016	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-16S-12-0804	WU2523-002	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-15S-24-0804	WU2523-006	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-15S-12-0804	WU2523-005	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-15S-06-0804	WU2523-004	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13S-24-0804	WU2523-012	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-14S-12-0804	WU2523-008	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-14S-06-0804	WU2523-007	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13W-24-0804	WU2523-015	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13W-12-0804	WU2523-014	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13W-06-0804	WU2523-013	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-14S-24-0804	WU2523-009	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-16S-24-0804	WU2523-003	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13S-12-0804	WU2523-011	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
M	MG/KG	C03V-15S-06-0804	WU2523-004	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-15S-06-0804	WU2523-004	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-15S-06-0804	WU2523-004	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
M	MG/KG	C03V-14S-24-0804	WU2523-009	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-14S-24-0804	WU2523-009	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-14S-24-0804	WU2523-009	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-14S-12-0804	WU2523-008	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-15S-12-0804	WU2523-005	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
M	MG/KG	C03V-16S-12-0804	WU2523-002	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
M	MG/KG	C03V-14S-12-0804	WU2523-008	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-15S-12-0804	WU2523-005	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-15S-12-0804	WU2523-005	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-15S-24-0804	WU2523-006	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-15S-24-0804	WU2523-006	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-15S-24-0804	WU2523-006	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-16S-06-0804	WU2523-001	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-14S-12-0804	WU2523-008	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-16S-06-0804	WU2523-001	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-13W-06-0804	WU2523-013	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-16S-12-0804	WU2523-002	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-16S-06-0804	WU2523-001	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13W-06-0804	WU2523-013	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13S-06-0804	WU2523-010	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-13S-06-0804	WU2523-010	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13S-06-0804	WU2523-010	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-13S-12-0804	WU2523-011	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-13S-12-0804	WU2523-011	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13S-12-0804	WU2523-011	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-13S-24-0804	WU2523-012	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-13S-24-0804	WU2523-012	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13W-12-0804	WU2523-014	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13W-06-0804	WU2523-013	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-14S-06-0804	WU2523-007	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-13W-06-0804	WU2523-013	NM	08/16/2004	08/19/2004	08/25/2004	3	6	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-16S-24-0804	WU2523-003	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
M	MG/KG	C03V-13W-12-0804	WU2523-014	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-13W-12-0804	WU2523-014	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-13W-24-0804	WU2523-015	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-13W-24-0804	WU2523-015	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13W-24-0804	WU2523-015	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-14S-06-0804	WU2523-007	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-14S-06-0804	WU2523-007	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13S-24-0804	WU2523-012	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-DUP09-0804	WU2523-017	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-16S-12-0804	WU2523-002	NM	08/16/2004	08/19/2004	08/24/2004	3	5	8
M	MG/KG	C03V-DUP09-0804	WU2523-017	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-DUP09-0804	WU2523-017	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-DUP08-0804	WU2523-016	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-DUP08-0804	WU2523-016	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-DUP08-0804	WU2523-016	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-16S-24-0804	WU2523-003	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-16S-24-0804	WU2523-003	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-16S-12-0804	WU2523-002	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
TS	%	C03V-13W-12-0804	WU2523-14	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-15S-06-0804	WU2523-4	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-16S-12-0804	WU2523-2	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-13S-06-0804	WU2523-10	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-16S-24-0804	WU2523-3	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-16S-06-0804	WU2523-1	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-15S-24-0804	WU2523-6	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-15S-12-0804	WU2523-5	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-14S-24-0804	WU2523-9	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-14S-12-0804	WU2523-8	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-DUP08-0804	WU2523-16	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-13W-24-0804	WU2523-15	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-13W-06-0804	WU2523-13	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-13S-24-0804	WU2523-12	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-13S-12-0804	WU2523-11	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-DUP09-0804	WU2523-17	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-14S-06-0804	WU2523-7	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-15S-24-0804	WU2523-6	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-14S-24-0804	WU2523-9	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-13S-06-0804	WU2523-10	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-13S-12-0804	WU2523-11	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-13S-24-0804	WU2523-12	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-13W-06-0804	WU2523-13	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-13W-12-0804	WU2523-14	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	%	C03V-13W-24-0804	WU2523-15	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	%	C03V-16S-12-0804	WU2523-2DL	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	%	C03V-14S-12-0804	WU2523-8	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-DUP09-0804	WU2523-17	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	%	C03V-15S-06-0804	WU2523-4	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-15S-12-0804	WU2523-5	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-16S-06-0804	WU2523-1	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-16S-24-0804	WU2523-3	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-DUP08-0804	WU2523-16	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	%	C03V-14S-06-0804	WU2523-7	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13S-24-0804	WU2523-12	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-15S-06-0804	WU2523-4	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13S-06-0804	WU2523-10	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13S-12-0804	WU2523-11	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13W-06-0804	WU2523-13	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13W-24-0804	WU2523-15	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	UG/KG	C03V-14S-06-0804	WU2523-7	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13W-12-0804	WU2523-14	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	UG/KG	C03V-14S-24-0804	WU2523-9	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-DUP09-0804	WU2523-17	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	UG/KG	C03V-15S-12-0804	WU2523-5	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-15S-24-0804	WU2523-6	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-16S-06-0804	WU2523-1	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-16S-12-0804	WU2523-2DL	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	UG/KG	C03V-16S-24-0804	WU2523-3	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-DUP08-0804	WU2523-16	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	UG/KG	C03V-14S-12-0804	WU2523-8	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2523

Sample Receipt

The following samples were received on August 17, 2004 and were logged in under Katahdin Analytical Services work order number WU2523 for a hardcopy due date of September 12, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2523-1	C03V-16S-06-0804
WU2523-2	C03V-16S-12-0804
WU2523-3	C03V-16S-24-0804
WU2523-4	C03V-15S-06-0804
WU2523-5	C03V-15S-12-0804
WU2523-6	C03V-15S-24-0804
WU2523-7	C03V-14S-06-0804
WU2523-8	C03V-14S-12-0804
WU2523-9	C03V-14S-24-0804
WU2523-10	C03V-13S-06-0804
WU2523-11	C03V-13S-12-0804
WU2523-12	C03V-13S-24-0804
WU2523-13	C03V-13W-06-0804
WU2523-14	C03V-13W-12-0804
WU2523-15	C03V-13W-24-0804
WU2523-16	C03V-DUP08-0804
WU2523-17	C03V-DUP09-0804

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 Analysis

The samples of Work Order WU2523 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition,

1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

The method blank, WG9286-1, had a high recovery for the extraction surrogate TCX on channel A, which was outside of the laboratory established acceptance limits. Since the recoveries for TCX was within the acceptance limits on channel B and DCB on both channels, the sample was not reanalyzed.

Sample WU2523-1 had low recoveries for the extraction surrogates TCX, on both channels, and DCB on channel B, which were outside of the laboratory established acceptance limits. Since the recovery for DCB was within the acceptance limits on channel A, the sample was not reanalyzed.

Sample WU2523-3 had low recoveries for the extraction surrogate DCB on both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for other surrogate, TCX, were within the acceptance limits on both channels, the sample was not reanalyzed.

Samples WU2523-7, 8, 10 and 13 through 16 had low recoveries for the extraction surrogate TCX on both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for other surrogate, DCB, were within the acceptance limits on both channels, the samples were not reanalyzed.

Samples WU2523-4 through 6, 9, 11, 12 and 17 had low recoveries for the extraction surrogates TCX and DCB, which were outside of the laboratory established acceptance limits. The client was notified and informed the laboratory to proceed and narrate.

The closing calibration verification standard (CV) (file 6UH3172) had high responses for Aroclor 1016 and Aroclor 1260 on channel A, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel B were acceptable, the associated samples were not reanalyzed.

The matrix spike duplicate, WG9286-4, had a high recovery for the spiked analyte Aroclor 1260, which was outside of the laboratory established acceptance limits. Since the matrix spike sample, WG9286-3, as well as the associated LCS had acceptable recoveries, the associated samples were not reanalyzed. The matrix spike duplicates had an RPD for Aroclor 1260 above the laboratory acceptance limit.

Sample WU2523-5 contained both Aroclor 1254 and Aroclor 1260. Some of the peaks from Aroclor 1260 coelute with peaks from Aroclor 1254. Due to software limitations, these coeluted peaks could not be deleted. Consequently, the concentration of Aroclor 1254 may be biased high.

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

Metals Analysis

The samples of Katahdin Work Order WU2523 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. WU2523-(1-17) were digested for ICP analysis on 08/19/04 (QC Batch UH19ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2523-13 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.0703 mg/L, corresponding to a dry-weight concentration of 7.03 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of Work Order WU2523 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

The ICSAB analyzed at 14:02 in run ID AUH31A did not have the correct sample in the autosampler cup. The cup was removed and the correct ICSAB was placed in the position and analyzed immediately after at 14:09.

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)

Soil-matrix Katahdin Sample Nos. WU2523-(1-17) were digested for mercury analysis on 08/19/04 (QC Batch UH19HGS0) in accordance with USEPA Method 7471A.

Mercury analyses of Katahdin Work Order WU2523 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for most metals in the matrix-spike aliquots of Katahdin Sample No. WU2523-13 are outside the laboratory's acceptance limits.

The matrix-spike duplicate analysis of Katahdin Sample No. WU2523-13 for magnesium (30.7% RPD) exceeds the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample No. WU2523-13 meets 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 metals.

Wet Chemistry Analysis

The samples of Katahdin Work Order WU2523 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

Maria Crouch
09.02.04
Maria Crouch
Quality Assurance Officer

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS | Contact: Chuck Bryan | Phone #: (803) 649-7963 | Fax #: (803) 642-8454

Address: 900 Trail Ridge Road | City: Aiken | State: SC | Zip Code: 29803

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): Shonda C. Simpter | Copies To:

LAB USE ONLY | WORK ORDER #: WM2523

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL Metals (Filt. ☐Y ☐N)	TCL PCB (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
	C03V-16S-06-0804	16 Aug 04 / 1443	SO	1	X	X								
	C03V-16S-12-0804	/ 1444												
	C03V-16S-24-0804	/ 1446												
	C03V-15S-06-0804	/ 1448												
	C03V-15S-12-0804	/ 1449												
	C03V-15S-24-0804	/ 1450												
	C03V-14S-06-0804	/ 1524												
	C03V-14S-12-0804	/ 1525												
	C03V-14S-24-0804	/ 1526												
	C03V-13S-06-0804	/ 1452												
	C03V-13S-12-0804	/ 1453												
	C03V-13S-24-0804	/ 1454												
	C03V-13W-06-0804	/ 1512	SO	3	X	X								
	C03V-13W-12-0804	/ 1518	SO	1	X	X								
	C03V-13W-24-0804	/ 1519	SO	1	X	X								
		/												

COMMENTS

7 day turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	16 Aug 04 1638	[signature]	8/17/04 0910		
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.

0806007

ORIGINAL

S-COC1

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS | Contact: Chack Bryan | Phone #: (803) 649-7963 | Fax #: (803) 642-8455

Address: 900 Trail Ridge Road | City: Aiken | State: SC | Zip Code: 29803

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): Shonda C. Sumpter Shonda C. Sumpter | Copies To:

LAB USE ONLY WORK ORDER #: W12523

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL Metals	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-DUP08-0804	16 Aug 04 / —	SO	1	X	X								
	C03V-DUP09-0804	16 Aug 04 / —	SO	1	X	X								
		/												
		/												
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		/												

COMMENTS

7 day turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Shonda C. Sumpter	16 Aug 04 / 1638	[signature]			
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 00000008

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.90 DCB: 20.27

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	08/19/04	1123	6.90	20.27
02	ICAL	AR1660 0.05P	08/19/04	1151	6.89	20.28
03	ICAL	AR1660 0.10P	08/19/04	1219	6.89	20.28
04	ICAL	AR1660 0.25P	08/19/04	1248	6.89	20.27
05	ICAL	AR1660 2.5PP	08/19/04	1317	6.89	20.27
06	ICAL	AR1660 10PPM	08/19/04	1345	6.89	20.27
07	INDSOURCE	AR1016 1.0PP	08/19/04	1414		
08	INDSOURCE	AR1260 1.0PP	08/19/04	1442		
09	ICAL	AR1242 1.0PP	08/19/04	1511		
10	ICAL	AR1248 1.0PP	08/19/04	1801		
11	ICAL	AR1254 1.0PP	08/19/04	2052		
12	ICAL	AR1254 0.05P	08/19/04	2121		
13	ICAL	AR1254 0.10P	08/19/04	2149		
14	ICAL	AR1254 0.25P	08/19/04	2218		
15	ICAL	AR1254 2.5PP	08/19/04	2246		
16	ICAL	AR1254 10PPM	08/19/04	2315		
17	ICAL	AR1221 1.0PP	08/19/04	2343		
18	ICAL	AR1232 1.0PP	08/20/04	0012		
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:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/19/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.91 DCB: 20.27

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/23/04	1342	6.89	20.27
02	CV	AR1254 1.0PP	08/23/04	1508		
03	WG9286-BLANK	WG9286-1	08/23/04	1714	6.91	20.27
04	WG9286-LCS	WG9286-2	08/23/04	1743	6.89	20.27
05	C03V-16S-06-	WU2523-1	08/23/04	1811	6.89	20.26
06	C03V-16S-24-	WU2523-3	08/23/04	1908	6.89	20.26
07	C03V-15S-06-	WU2523-4	08/23/04	1936	6.89	20.26
08	C03V-15S-12-	WU2523-5	08/23/04	2005	6.89	20.26
09	C03V-15S-24-	WU2523-6	08/23/04	2033	6.89	20.26
10	C03V-14S-06-	WU2523-7	08/23/04	2102	6.89	20.27
11	C03V-14S-12-	WU2523-8	08/23/04	2130	6.89	20.26
12	C03V-14S-24-	WU2523-9	08/23/04	2158	6.89	20.26
13	C03V-13S-06-	WU2523-10	08/23/04	2227	6.88	20.26
14	C03V-13S-12-	WU2523-11	08/23/04	2255	6.89	20.26
15	C03V-13S-24-	WU2523-12	08/23/04	2324	6.88	20.26
16	C03V-13W-06-	WU2523-13	08/23/04	2352	6.89	20.26
17	C03V-13W-12-	WU2523-14	08/24/04	0021	6.88	20.26
18	C03V-13W-24-	WU2523-15	08/24/04	0049	6.88	20.26
19	C03V-DUP08-0	WU2523-16	08/24/04	0117	6.89	20.26
20	C03V-13W-06-	WG9286-3	08/24/04	0146	6.89	20.26

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/19/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.91 DCB: 20.27

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	C03V-13W-06-	WG9286-4	08/24/04	0214	6.89	20.26
02	CV	AR1660 1.0PP	08/24/04	0243	6.89	20.26
03	CV	AR1254 1.0PP	08/24/04	0408		
04	C03V-DUP09-0	WU2523-17	08/24/04	0436	6.88	20.26
05	CV	AR1660 1.0PP	08/24/04	0755	6.88	20.26
06	C03V-16S-12-	WU2523-2DL	08/24/04	1115	6.91	20.27
07	CV	AR1660 1.0PP	08/24/04	1636	6.91	20.27
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:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.71 DCB: 20.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	08/19/04	1123	6.71	20.70
02	ICAL	AR1660 0.05P	08/19/04	1151	6.71	20.70
03	ICAL	AR1660 0.10P	08/19/04	1219	6.71	20.70
04	ICAL	AR1660 0.25P	08/19/04	1248	6.71	20.70
05	ICAL	AR1660 2.5PP	08/19/04	1317	6.71	20.70
06	ICAL	AR1660 10PPM	08/19/04	1345	6.71	20.70
07	INDSOURCE	AR1016 1.0PP	08/19/04	1414		
08	INDSOURCE	AR1260 1.0PP	08/19/04	1442		
09	ICAL	AR1242 1.0PP	08/19/04	1511		
10	ICAL	AR1248 1.0PP	08/19/04	1801		
11	ICAL	AR1254 1.0PP	08/19/04	2052		
12	ICAL	AR1254 0.05P	08/19/04	2121		
13	ICAL	AR1254 0.10P	08/19/04	2149		
14	ICAL	AR1254 0.25P	08/19/04	2218		
15	ICAL	AR1254 2.5PP	08/19/04	2246		
16	ICAL	AR1254 10PPM	08/19/04	2315		
17	ICAL	AR1221 1.0PP	08/19/04	2343		
18	ICAL	AR1232 1.0PP	08/20/04	0012		
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:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.71 DCB: 20.69

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/23/04	1342	6.71	20.69
02	CV	AR1254 1.0PP	08/23/04	1508		
03	WG9286-BLANK	WG9286-1	08/23/04	1714	6.71	20.70
04	WG9286-LCS	WG9286-2	08/23/04	1743	6.70	20.69
05	C03V-16S-06-	WU2523-1	08/23/04	1811	6.70	20.69
06	C03V-16S-24-	WU2523-3	08/23/04	1908	6.70	20.69
07	C03V-15S-06-	WU2523-4	08/23/04	1936	6.70	20.69
08	C03V-15S-12-	WU2523-5	08/23/04	2005	6.70	20.69
09	C03V-15S-24-	WU2523-6	08/23/04	2033	6.70	20.69
10	C03V-14S-06-	WU2523-7	08/23/04	2102	6.70	20.69
11	C03V-14S-12-	WU2523-8	08/23/04	2130	6.70	20.69
12	C03V-14S-24-	WU2523-9	08/23/04	2158	6.70	20.68
13	C03V-13S-06-	WU2523-10	08/23/04	2227	6.70	20.68
14	C03V-13S-12-	WU2523-11	08/23/04	2255	6.70	20.69
15	C03V-13S-24-	WU2523-12	08/23/04	2324	6.70	20.68
16	C03V-13W-06-	WU2523-13	08/23/04	2352	6.70	20.68
17	C03V-13W-12-	WU2523-14	08/24/04	0021	6.70	20.68
18	C03V-13W-24-	WU2523-15	08/24/04	0049	6.70	20.69
19	C03V-DUP08-0	WU2523-16	08/24/04	0117	6.70	20.68
20	C03V-13W-06-	WG9286-3	08/24/04	0146	6.70	20.69

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.71 DCB: 20.69

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	C03V-13W-06-	WG9286-4	08/24/04	0214	6.70	20.68
02	CV	AR1660 1.0PP	08/24/04	0243	6.70	20.69
03	CV	AR1254 1.0PP	08/24/04	0408		
04	C03V-DUP09-0	WU2523-17	08/24/04	0436	6.70	20.68
05	CV	AR1660 1.0PP	08/24/04	0755	6.70	20.68
06	C03V-16S-12-	WU2523-2DL	08/24/04	1115	6.71	20.69
07	CV	AR1660 1.0PP	08/24/04	1636	6.71	20.69
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 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date(s): 08/19/04 08/20/04

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 1123 0012

LAB FILE ID: RF0.05: 6UH3071 RF0.1: 6UH3072 RF0.25: 6UH3073
RF1: 6UH3077 RF2.5: 6UH3074 RF10: 6UH3075

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	1369	2638	6409	22381	50259	168060	2ORDR	-2.33e-002	4.55e-005	8.42e-011	0.99996	0.99000	
(2)	2409	4601	11284	41740	97341	348510	2ORDR	-1.56e-002	2.449e-005	1.219e-011	0.99998	0.99000	
(3)	1481	2868	7007	25022	57507	201440	2ORDR	-2.04e-002	4.098e-005	4.354e-011	0.99997	0.99000	
(4)	852	1687	4307	16254	38353	140690	2ORDR	-1.09e-002	6.282e-005	5.929e-011	0.99998	0.99000	
(5)	1013	1973	4814	15978	35173	118800	2ORDR	-3.35e-002	6.539e-005	1.607e-010	0.99992	0.99000	
Aroclor-1221				4831			2ORDR	0.00000000	2.07e-004	0.00000000	1.00000	0.99000	<
(2)				10067			2ORDR	0.00000000	9.933e-005	0.00000000	1.00000	0.99000	<
(3)				7316			2ORDR	0.00000000	1.367e-004	0.00000000	1.00000	0.99000	<
(4)				21083			2ORDR	0.00000000	4.743e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232				17656			2ORDR	0.00000000	5.664e-005	0.00000000	1.00000	0.99000	<
(2)				10404			2ORDR	0.00000000	9.612e-005	0.00000000	1.00000	0.99000	<
(3)				18087			2ORDR	0.00000000	5.529e-005	0.00000000	1.00000	0.99000	<
(4)				11187			2ORDR	0.00000000	8.939e-005	0.00000000	1.00000	0.99000	<
(5)				7123			2ORDR	0.00000000	1.404e-004	0.00000000	1.00000	0.99000	<
Aroclor-1242	1823	2876	6203	20155	48315	182560	2ORDR	-3.97e-002	5.145e-005	1.942e-011	0.99997	0.99000	
(2)	1406	2256	5036	17361	42595	168980	2ORDR	-2.8e-002	5.923e-005	7.057e-013	0.99998	0.99000	
(3)	2427	3867	8830	31762	82977	351200	2ORDR	-1.18e-002	3.102e-005	-7.15e-012	0.99998	0.99000	
(4)	1504	2389	5334	19334	48542	203360	2ORDR	-2.02e-002	5.277e-005	-1.72e-011	0.99999	0.99000	
(5)	837	1379	3139	12429	31820	140260	2ORDR	-7.05e-003	8.114e-005	-6.98e-011	1.00000	0.99000	
Aroclor-1248	1579	3053	7605	25968	63905	215820	2ORDR	-7.68e-003	3.649e-005	4.578e-011	0.99998	0.99000	
(2)	1319	2576	6630	23527	59421	205170	2ORDR	8.468e-004	3.974e-005	4.383e-011	0.99997	0.99000	
(3)	1236	2441	6327	24131	62568	231010	2ORDR	8.237e-003	3.895e-005	1.859e-011	0.99997	0.99000	
(4)	1605	3104	7829	27839	70277	253410	2ORDR	-3.37e-003	3.438e-005	2.009e-011	0.99998	0.99000	
(5)	861	1746	4596	19276	51828	200430	2ORDR	2.138e-002	4.779e-005	9.932e-012	0.99995	0.99000	
Aroclor-1254	2484	4503	10473	35139	90850	281440	2ORDR	5.819e-003	2.429e-005	3.983e-011	0.99986	0.99000	
(2)	1155	2266	5501	21147	57410	182740	2ORDR	2.733e-002	3.909e-005	8.46e-011	0.99980	0.99000	
(3)	2132	4015	9786	36349	98348	312490	2ORDR	2.365e-002	2.283e-005	2.908e-011	0.99980	0.99000	
(4)	1354	2639	6254	24984	69224	236200	2ORDR	2.724e-002	3.398e-005	3.486e-011	0.99982	0.99000	
(5)	908	1856	4135	16482	43021	126400	2ORDR	2.989e-002	4.83e-005	2.416e-010	0.99979	0.99000	
Aroclor-1260	1527	2954	7288	25463	57816	201000	2ORDR	-2.4e-002	4.055e-005	4.639e-011	0.99996	0.99000	
(2)	1407	2755	6971	25331	58808	205610	2ORDR	-1.47e-002	4.e-005	4.236e-011	0.99998	0.99000	
(3)	2631	5151	13328	50863	119490	440900	2ORDR	-1.06e-002	2.019e-005	5.713e-012	0.99998	0.99000	
(4)	1221	2488	6753	26517	62132	234280	2ORDR	-7.29e-003	3.905e-005	1.564e-011	0.99997	0.99000	
(5)	661	1422	3907	14956	33844	123890	2ORDR	-1.29e-002	7.045e-005	8.383e-011	0.99993	0.99000	
Tetrachloro-m-xylene	1117	2175	5525	21226	51502	180150	2ORDR	-1.65e-005	9.163e-007	1.076e-012	1.00000	0.99000	
Decachlorobiphenyl	952	1879	4821	16658	36972	119870	2ORDR	-4.08e-004	1.206e-006	3.888e-012	0.99996	0.99000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date(s): 08/19/04 08/20/04

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 1123 0012

LAB FILE ID: RF0.05: 6UH4071 RF0.1: 6UH4072 RF0.25: 6UH4073
RF1: 6UH4077 RF2.5: 6UH4074 RF10: 6UH4075

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	4214	7764	17610	54088	117540	361600	2ORDR	-3.94e-002	1.832e-005	2.612e-011	0.99994	0.99000	
(2)	1764	3266	7724	25060	55265	171580	2ORDR	-2.86e-002	3.92e-005	1.122e-010	0.99996	0.99000	
(3)	5747	10583	24438	79923	181340	603510	2ORDR	-3.19e-002	1.267e-005	6.546e-012	0.99996	0.99000	
(4)	2546	4839	11409	37292	83096	273730	2ORDR	-3.26e-002	2.735e-005	3.4e-011	0.99995	0.99000	
(5)	1734	3493	8497	29318	67264	228600	2ORDR	-2.13e-002	3.447e-005	4.098e-011	0.99997	0.99000	
Aroclor-1221				21885			2ORDR	0.00000000	4.569e-005	0.00000000	1.00000	0.99000	<
(2)				14903			2ORDR	0.00000000	6.71e-005	0.00000000	1.00000	0.99000	<
(3)				39880			2ORDR	0.00000000	2.508e-005	0.00000000	1.00000	0.99000	<
(4)				9594			2ORDR	0.00000000	1.042e-004	0.00000000	1.00000	0.99000	<
Aroclor-1232				34964			2ORDR	0.00000000	2.86e-005	0.00000000	1.00000	0.99000	<
(2)				28719			2ORDR	0.00000000	3.482e-005	0.00000000	1.00000	0.99000	<
(3)				12557			2ORDR	0.00000000	7.964e-005	0.00000000	1.00000	0.99000	<
(4)				18068			2ORDR	0.00000000	5.535e-005	0.00000000	1.00000	0.99000	<
(5)				12544			2ORDR	0.00000000	7.972e-005	0.00000000	1.00000	0.99000	<
Aroclor-1242	4522	6848	14737	44271	105090	376820	2ORDR	-4.96e-002	2.323e-005	9.14e-012	0.99994	0.99000	
(2)	5894	9153	20056	63342	160910	630490	2ORDR	-3.21e-002	1.575e-005	2.551e-013	0.99995	0.99000	
(3)	2568	4082	9276	29639	74065	286910	2ORDR	-3.1e-002	3.397e-005	3.469e-012	0.99997	0.99000	
(4)	2019	3124	7153	21767	52333	193060	2ORDR	-4.27e-002	4.714e-005	2.529e-011	0.99995	0.99000	
(5)	2588	3999	8803	28441	72147	282400	2ORDR	-2.93e-002	3.506e-005	1.596e-012	0.99996	0.99000	
Aroclor-1248	3249	6069	15042	45361	107990	351040	2ORDR	-2.5e-002	2.112e-005	2.118e-011	0.99996	0.99000	
(2)	1413	2824	7584	24870	61240	207970	2ORDR	-8.56e-003	3.819e-005	4.777e-011	0.99997	0.99000	
(3)	3153	5999	15403	48750	119780	410730	2ORDR	-1.65e-002	1.971e-005	1.139e-011	0.99996	0.99000	
(4)	2321	4559	12115	39193	96610	335060	2ORDR	-1.24e-002	2.454e-005	1.595e-011	0.99997	0.99000	
(5)	2115	4058	10992	36994	93239	329520	2ORDR	-4.88e-003	2.568e-005	1.421e-011	0.99997	0.99000	
Aroclor-1254	1412	2501	6004	18435	44279	128330	2ORDR	-7.72e-003	4.643e-005	2.457e-010	0.99992	0.99000	
(2)	1404	2503	6150	19774	48682	147290	2ORDR	-3.17e-003	4.419e-005	1.61e-010	0.99992	0.99000	
(3)	2570	4512	10942	35608	91136	283820	2ORDR	1.327e-003	2.432e-005	3.839e-011	0.99988	0.99000	
(4)	4806	8309	19667	63659	165360	514880	2ORDR	2.505e-003	1.344e-005	1.16e-011	0.99985	0.99000	
(5)	3198	5520	12459	41490	107570	354380	2ORDR	-3.55e-003	2.156e-005	1.881e-011	0.99990	0.99000	
Aroclor-1260	3474	6587	15953	54786	126840	448150	2ORDR	-2.48e-002	1.874e-005	8.11e-012	0.99997	0.99000	
(2)	2971	5676	13598	45438	104020	362360	2ORDR	-2.94e-002	2.268e-005	1.381e-011	0.99996	0.99000	
(3)	5521	10402	25470	88100	206570	749980	2ORDR	-2.32e-002	1.167e-005	2.257e-012	0.99997	0.99000	
(4)	3228	6191	15356	53141	121190	435640	2ORDR	-2.69e-002	1.971e-005	7.587e-012	0.99995	0.99000	
(5)	1409	2780	7227	25047	56440	195650	2ORDR	-2.33e-002	4.136e-005	5.046e-011	0.99994	0.99000	
Tetrachloro-m-xylene	2908	5387	12995	45490	104070	342340	2ORDR	-3.76e-004	4.362e-007	4.356e-013	0.99998	0.99000	
Decachlorobiphenyl	1574	3019	7597	24486	53978	170920	2ORDR	-5.63e-004	8.142e-007	2.103e-012	0.99995	0.99000	

FORM VI SV

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/19/04 Time: 1414

Lab File ID: 6UH3056 Init. Calib. Date(s): 08/19/04 08/20/04

Init. Calib. Times: 1123 0012

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9728700	1.0000000	21071.000	0.01	-2.71	15.00	2RDR
(2)	0.9429100	1.0000000	38404.000	0.01	-5.71	15.00	2RDR
(3)	0.9633600	1.0000000	23423.000	0.01	-3.66	15.00	2RDR
(4)	0.9546200	1.0000000	15153.000	0.01	-4.54	15.00	2RDR
(5)	0.9893200	1.0000000	15083.000	0.01	-1.07	15.00	2RDR
Average %D: -3.540							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/19/04 Time: 1414

Lab File ID: 6UH4056 Init. Calib. Date(s): 08/19/04 08/20/04

Init. Calib. Times: 1123 0012

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9968000	1.0000000	52605.000	0.01	-0.32	15.00	2RDR
(2)	0.9949300	1.0000000	24406.000	0.01	-0.51	15.00	2RDR
(3)	0.9725400	1.0000000	76245.000	0.01	-2.75	15.00	2RDR
(4)	0.9848500	1.0000000	35624.000	0.01	-1.52	15.00	2RDR
(5)	0.9757800	1.0000000	27992.000	0.01	-2.42	15.00	2RDR
Average %D: -1.500							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/19/04 Time: 1442

Lab File ID: 6UH3057 Init. Calib. Date(s): 08/19/04 08/20/04

Init. Calib. Times: 1123 0012

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	1.2122000	1.0000000	29489.000	0.01	21.22	15.00	2RDR	<-
(2)	1.1656000	1.0000000	28638.000	0.01	16.56	15.00	2RDR	<-
(3)	1.1375000	1.0000000	55983.000	0.01	13.75	15.00	2RDR	
(4)	1.0622000	1.0000000	27092.000	0.01	6.22	15.00	2RDR	
(5)	1.2327000	1.0000000	17325.000	0.01	23.27	15.00	2RDR	<-
Average %D: 16.210								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/19/04 Time: 1442

Lab File ID: 6UH4057 Init. Calib. Date(s): 08/19/04 08/20/04

Init. Calib. Times: 1123 0012

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	0.8920100	1.0000000	47936.000	0.01	-10.80	15.00	2RDR	
(2)	1.1459000	1.0000000	50286.000	0.01	14.59	15.00	2RDR	
(3)	1.1646000	1.0000000	99831.000	0.01	16.46	15.00	2RDR	<-
(4)	1.1343000	1.0000000	57625.000	0.01	13.43	15.00	2RDR	
(5)	1.2510000	1.0000000	29730.000	0.01	25.10	15.00	2RDR	<-
Average %D: 11.760								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/23/04 Time: 1342

Lab File ID: 6UH3132 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0163000	1.0000000	21955.000	0.01	1.63	15.00	2RDR
(2)	1.0381000	1.0000000	42142.000	0.01	3.81	15.00	2RDR
(3)	1.0332000	1.0000000	25044.000	0.01	3.32	15.00	2RDR
(4)	1.0156000	1.0000000	16096.000	0.01	1.56	15.00	2RDR
(5)	1.0229000	1.0000000	15561.000	0.01	2.29	15.00	2RDR
Average %D: 2.5200							
Aroclor-1260	1.0142000	1.0000000	24891.000	0.01	1.42	15.00	2RDR
(2)	1.0047000	1.0000000	24831.000	0.01	0.47	15.00	2RDR
(3)	1.0181000	1.0000000	50240.000	0.01	1.81	15.00	2RDR
(4)	1.0286000	1.0000000	26249.000	0.01	2.86	15.00	2RDR
(5)	1.0278000	1.0000000	14523.000	0.01	2.78	15.00	2RDR
Average %D: 1.8700							
Tetrachloro-m-xylene	1.97e-002	2.e-002	1048100.0	0.01	-1.50	15.00	2RDR
Decachlorobiphenyl	2.02e-002	2.e-002	812200.00	0.01	1.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/23/04 Time: 1342

Lab File ID: 6UH4132 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9070400	1.0000000	48322.000	0.01	-9.30	15.00	2RDR
(2)	0.8874300	1.0000000	21985.000	0.01	-11.26	15.00	2RDR
(3)	0.9073700	1.0000000	71468.000	0.01	-9.26	15.00	2RDR
(4)	0.8986100	1.0000000	32718.000	0.01	-10.14	15.00	2RDR
(5)	0.8912500	1.0000000	25687.000	0.01	-10.88	15.00	2RDR
Average %D: -10.17							
Aroclor-1260	0.9324200	1.0000000	50005.000	0.01	-6.76	15.00	2RDR
(2)	0.9443000	1.0000000	41867.000	0.01	-5.57	15.00	2RDR
(3)	0.9496900	1.0000000	82046.000	0.01	-5.03	15.00	2RDR
(4)	0.9633500	1.0000000	49296.000	0.01	-3.66	15.00	2RDR
(5)	0.9595100	1.0000000	23109.000	0.01	-4.05	15.00	2RDR
Average %D: -5.010							
Tetrachloro-m-xylene	1.79e-002	2.e-002	2010400.0	0.01	-10.50	15.00	2RDR
Decachlorobiphenyl	1.93e-002	2.e-002	1153000.0	0.01	-3.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/23/04 Time: 1508

Lab File ID: 6UH3135 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 2343

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1254	0.9207400	1.0000000	35587.000	0.01	-7.93	15.00	2RDR
(2)	0.9048700	1.0000000	21452.000	0.01	-9.51	15.00	2RDR
(3)	0.9025100	1.0000000	36777.000	0.01	-9.75	15.00	2RDR
(4)	0.8951200	1.0000000	24908.000	0.01	-10.49	15.00	2RDR
(5)	0.8891800	1.0000000	16439.000	0.01	-11.08	15.00	2RDR
Average %D: -9.750							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/23/04 Time: 1508

Lab File ID: 6UH4135 Init. Calib. Date(s): 08/19/04 08/20/04

Init. Calib. Times: 1123 0012

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1254	0.8516500	1.0000000	16982.000	0.01	-14.84	15.00	2RDR	
(2)	0.8536400	1.0000000	18186.000	0.01	-14.64	15.00	2RDR	
(3)	0.8517800	1.0000000	33221.000	0.01	-14.82	15.00	2RDR	
(4)	0.8477700	1.0000000	59812.000	0.01	-15.22	15.00	2RDR	<-
(5)	0.8500700	1.0000000	38320.000	0.01	-14.99	15.00	2RDR	
Average %D: -14.90								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/24/04 Time: 0243

Lab File ID: 6UH3156 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0145000	1.0000000	21918.000	0.01	1.45	15.00	2RDR
(2)	0.9803900	1.0000000	39877.000	0.01	-1.96	15.00	2RDR
(3)	0.9986700	1.0000000	24243.000	0.01	-0.13	15.00	2RDR
(4)	0.9846700	1.0000000	15618.000	0.01	-1.53	15.00	2RDR
(5)	1.0278000	1.0000000	15630.000	0.01	2.78	15.00	2RDR
Average %D: 0.1200							
Aroclor-1260	1.0234000	1.0000000	25106.000	0.01	2.34	15.00	2RDR
(2)	1.0076000	1.0000000	24899.000	0.01	0.76	15.00	2RDR
(3)	0.9926800	1.0000000	49017.000	0.01	-0.73	15.00	2RDR
(4)	0.9924800	1.0000000	25343.000	0.01	-0.75	15.00	2RDR
(5)	1.0227000	1.0000000	14453.000	0.01	2.27	15.00	2RDR
Average %D: 0.7800							
Tetrachloro-m-xylene	1.95e-002	2.e-002	1040500.0	0.01	-2.50	15.00	2RDR
Decachlorobiphenyl	2.09e-002	2.e-002	839100.00	0.01	4.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/24/04 Time: 0243

Lab File ID: 6UH4156 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9773200	1.0000000	51679.000	0.01	-2.27	15.00	2RDR
(2)	0.9630900	1.0000000	23692.000	0.01	-3.69	15.00	2RDR
(3)	0.9604000	1.0000000	75357.000	0.01	-3.96	15.00	2RDR
(4)	0.9657800	1.0000000	34983.000	0.01	-3.42	15.00	2RDR
(5)	0.9543200	1.0000000	27408.000	0.01	-4.57	15.00	2RDR
Average %D: -3.580							
Aroclor-1260	0.9763200	1.0000000	52249.000	0.01	-2.37	15.00	2RDR
(2)	0.9927000	1.0000000	43895.000	0.01	-0.73	15.00	2RDR
(3)	0.9794900	1.0000000	84519.000	0.01	-2.05	15.00	2RDR
(4)	1.0060000	1.0000000	51381.000	0.01	0.60	15.00	2RDR
(5)	1.0113000	1.0000000	24292.000	0.01	1.13	15.00	2RDR
Average %D: -0.680							
Tetrachloro-m-xylene	1.93e-002	2.e-002	2158600.0	0.01	-3.50	15.00	2RDR
Decachlorobiphenyl	2.08e-002	2.e-002	1233200.0	0.01	4.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/24/04 Time: 0408

Lab File ID: 6UH3159 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 2343

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1254	0.9033400	1.0000000	34945.000	0.01	-9.67	15.00	2RDR
(2)	0.8841700	1.0000000	20967.000	0.01	-11.58	15.00	2RDR
(3)	0.8797900	1.0000000	35866.000	0.01	-12.02	15.00	2RDR
(4)	0.8695700	1.0000000	24192.000	0.01	-13.04	15.00	2RDR
(5)	0.8744600	1.0000000	16177.000	0.01	-12.55	15.00	2RDR
Average %D: -11.77							

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/24/04 Time: 0408

Lab File ID: 6UH4159 Init. Calib. Date(s): 08/19/04 08/20/04

Init. Calib. Times: 1123 0012

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1254	0.8607500	1.0000000	17148.000	0.01	-13.92	15.00	2RDR	
(2)	0.8592900	1.0000000	18299.000	0.01	-14.07	15.00	2RDR	
(3)	0.8538500	1.0000000	33298.000	0.01	-14.62	15.00	2RDR	
(4)	0.8497400	1.0000000	59945.000	0.01	-15.03	15.00	2RDR	<-
(5)	0.8570200	1.0000000	38622.000	0.01	-14.30	15.00	2RDR	
Average %D: -14.39								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/24/04 Time: 0755

Lab File ID: 6UH3167 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0148000	1.0000000	21924.000	0.01	1.48	15.00	2RDR
(2)	1.0094000	1.0000000	41016.000	0.01	0.94	15.00	2RDR
(3)	1.0099000	1.0000000	24503.000	0.01	0.99	15.00	2RDR
(4)	0.9940500	1.0000000	15763.000	0.01	-0.60	15.00	2RDR
(5)	1.0291000	1.0000000	15649.000	0.01	2.91	15.00	2RDR
Average %D: 1.1400							
Aroclor-1260	1.0374000	1.0000000	25433.000	0.01	3.74	15.00	2RDR
(2)	1.0304000	1.0000000	25439.000	0.01	3.04	15.00	2RDR
(3)	1.0463000	1.0000000	51600.000	0.01	4.63	15.00	2RDR
(4)	1.0601000	1.0000000	27038.000	0.01	6.01	15.00	2RDR
(5)	1.0831000	1.0000000	15280.000	0.01	8.31	15.00	2RDR
Average %D: 5.1400							
Tetrachloro-m-xylene	1.94e-002	2.e-002	1032200.0	0.01	-3.00	15.00	2RDR
Decachlorobiphenyl	2.13e-002	2.e-002	851600.00	0.01	6.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/24/04 Time: 0755

Lab File ID: 6UH4167 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9861300	1.0000000	52098.000	0.01	-1.39	15.00	2RDR
(2)	0.9660300	1.0000000	23758.000	0.01	-3.40	15.00	2RDR
(3)	0.9874500	1.0000000	77335.000	0.01	-1.26	15.00	2RDR
(4)	0.9744000	1.0000000	35273.000	0.01	-2.56	15.00	2RDR
(5)	0.9695300	1.0000000	27822.000	0.01	-3.05	15.00	2RDR
Average %D: -2.330							
Aroclor-1260	1.0172000	1.0000000	54334.000	0.01	1.72	15.00	2RDR
(2)	1.0160000	1.0000000	44871.000	0.01	1.60	15.00	2RDR
(3)	1.0299000	1.0000000	88700.000	0.01	2.99	15.00	2RDR
(4)	1.0386000	1.0000000	52968.000	0.01	3.86	15.00	2RDR
(5)	1.0564000	1.0000000	25320.000	0.01	5.64	15.00	2RDR
Average %D: 3.1600							
Tetrachloro-m-xylene	1.93e-002	2.e-002	2162400.0	0.01	-3.50	15.00	2RDR
Decachlorobiphenyl	2.12e-002	2.e-002	1257700.0	0.01	6.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/24/04 Time: 1636

Lab File ID: 6UH3172 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.1175000	1.0000000	24005.000	0.01	11.75	15.00	2RDR	
(2)	1.2471000	1.0000000	50298.000	0.01	24.71	15.00	2RDR	<-
(3)	1.1905000	1.0000000	28675.000	0.01	19.05	15.00	2RDR	<-
(4)	1.1755000	1.0000000	18561.000	0.01	17.55	15.00	2RDR	<-
(5)	1.0852000	1.0000000	16444.000	0.01	8.52	15.00	2RDR	
Average %D: 16.320								
Aroclor-1260	1.0905000	1.0000000	26668.000	0.01	9.05	15.00	2RDR	
(2)	1.0886000	1.0000000	26820.000	0.01	8.86	15.00	2RDR	
(3)	1.1921000	1.0000000	58603.000	0.01	19.21	15.00	2RDR	<-
(4)	1.2095000	1.0000000	30778.000	0.01	20.95	15.00	2RDR	<-
(5)	1.2134000	1.0000000	17062.000	0.01	21.34	15.00	2RDR	<-
Average %D: 15.880								
Tetrachloro-m-xylene	2.24e-002	2.e-002	1188800.0	0.01	12.00	15.00	2RDR	
Decachlorobiphenyl	2.18e-002	2.e-002	871250.00	0.01	9.00	15.00	2RDR	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

Instrument ID: GC06 Calibration Date: 08/24/04 Time: 1636

Lab File ID: 6UH4172 Init. Calib. Date(s): 08/19/04 08/19/04

Init. Calib. Times: 1123 1345

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0210000	1.0000000	53752.000	0.01	2.10	15.00	2RDR
(2)	0.9853800	1.0000000	24192.000	0.01	-1.46	15.00	2RDR
(3)	1.0630000	1.0000000	82840.000	0.01	6.30	15.00	2RDR
(4)	1.0179000	1.0000000	36734.000	0.01	1.79	15.00	2RDR
(5)	1.0447000	1.0000000	29862.000	0.01	4.47	15.00	2RDR
Average %D: 2.6400							
Aroclor-1260	1.0435000	1.0000000	55676.000	0.01	4.35	15.00	2RDR
(2)	0.9991900	1.0000000	44167.000	0.01	-0.08	15.00	2RDR
(3)	1.0621000	1.0000000	91366.000	0.01	6.21	15.00	2RDR
(4)	1.0395000	1.0000000	53011.000	0.01	3.95	15.00	2RDR
(5)	1.0741000	1.0000000	25723.000	0.01	7.41	15.00	2RDR
Average %D: 4.3700							
Tetrachloro-m-xylene	2.04e-002	2.e-002	2275800.0	0.01	2.00	15.00	2RDR
Decachlorobiphenyl	2.1e-002	2.e-002	1242400.0	0.01	5.00	15.00	2RDR

FORM VII PEST

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2523

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG9286-BLANK	WG9286-1	108*	94	76	72			1
02	WG9286-LCS	WG9286-2	86	80	82	79			0
03	C03V-16S-06-0804	WU2523-1	31*	30*	57	55*			3
04	C03V-16S-24-0804	WU2523-3	47	44	45*	44*			2
05	C03V-15S-06-0804	WU2523-4	35*	33*	55*	52*			4
06	C03V-15S-12-0804	WU2523-5	35*	34*	51*	49*			4
07	C03V-15S-24-0804	WU2523-6	33*	32*	39*	38*			4
08	C03V-14S-06-0804	WU2523-7	33*	32*	57	57			2
09	C03V-14S-12-0804	WU2523-8	38*	36*	63	61			2
10	C03V-14S-24-0804	WU2523-9	31*	31*	31*	31*			4
11	C03V-13S-06-0804	WU2523-10	31*	30*	65	62			2
12	C03V-13S-12-0804	WU2523-11	34*	33*	47*	46*			4
13	C03V-13S-24-0804	WU2523-12	40*	39*	47*	45*			4
14	C03V-13W-06-0804	WU2523-13	32*	31*	66	64			2
15	C03V-13W-12-0804	WU2523-14	36*	35*	65	63			2
16	C03V-13W-24-0804	WU2523-15	40*	39*	66	63			2
17	C03V-DUP08-0804	WU2523-16	31*	30*	68	66			2
18	C03V-13W-06-0804MS	WG9286-3	57	55	62	59			0
19	C03V-13W-06-0804MSD	WG9286-4	61	58	73	70			0
20	C03V-DUP09-0804	WU2523-17	31*	31*	55*	54*			4
21	C03V-16S-12-0804	WU2523-2DL	54	49	67	64			0
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/16/04
Received Date: 08/17/04
Extraction Date: 08/18/04
Analysis Date: 08/24/04
Report Date: 08/26/2004
Matrix: SOIL

Lab ID: WG9286-3 & WG9286-4
Client ID: C03V-13W-06-0804MS & C03V-13W-06-0804MSD
SDG: WU2523
Extracted by: AB
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9286
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	189	189	0.00	140	148	74	78	6	50	56-116
Aroclor-1260	189	189	0.00	142	259	75	* 137 *	58	50	59-118

FORM III PEST-2

6UH3154.d & 6UH3155.d

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-16S
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2523

Lab Sample ID: WU2523-2DL Date(s) Analyzed: 08/24/04 08/24/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.69	15.62	15.76	3760		
Aroclor-1260	2	16.23	16.16	16.30	3570		
	3	16.81	16.74	16.88	4910		
COLUMN 1	4	17.48	17.42	17.56	5560		
	5	18.83	18.76	18.90	4290	4420	
	1	15.85	15.78	15.92	4970		
	2	16.75	16.69	16.83	3600		
	3	17.15	17.08	17.22	4550		
COLUMN 2	4	18.11	18.04	18.18	4520		
	5	19.24	19.18	19.32	3930	4320	2.3
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-16S
-24-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2523

Lab Sample ID: WU2523-3 Date(s) Analyzed: 08/23/04 08/23/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.68	15.61	15.75	54.7		
Aroclor-1260	2	16.22	16.14	16.28	43.2		
	3	16.81	16.73	16.87	65.3		
COLUMN 1	4	17.48	17.40	17.54	74.6		
	5	18.82	18.75	18.89	60.2	59.6	
	1	15.85	15.77	15.91	73.2		
	2	16.75	16.67	16.81	56.9		
	3	17.14	17.07	17.21	67.4		
COLUMN 2	4	18.11	18.03	18.17	74.9		
	5	19.24	19.17	19.31	69.8	68.4	12.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-15S
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2523

Lab Sample ID: WU2523-4 Date(s) Analyzed: 08/23/04 08/23/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.68	15.61	15.75	13.3		
Aroclor-1260	2	16.22	16.14	16.28	13.9		
	3	16.81	16.73	16.87	21.6		
COLUMN 1	4	17.48	17.40	17.54	25.3		
	5	18.82	18.75	18.89	14.6	17.7	
	1	15.85	15.77	15.91	21.7		
	2	16.75	16.67	16.81	12.2		
	3	17.14	17.07	17.21	19.9		
COLUMN 2	4	18.11	18.03	18.17	18.1		
	5	19.24	19.17	19.31	19.3	18.2	2.7
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-15S
-12-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2523

Lab Sample ID: WU2523-5 Date(s) Analyzed: 08/23/04 08/23/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	12.74	12.67	12.81	33.3		
Aroclor-1254	2	13.38	13.30	13.44	38.8		
	3	13.61	13.53	13.67	53.8		
COLUMN 1	4	14.15	14.10	14.24	139		
	5	14.68	14.60	14.74	287	110	
	1	13.50	13.42	13.56	7.88		
	2	13.81	13.70	13.84	26.5		
	3	13.93	13.86	14.00	26.0		
COLUMN 2	4	14.20	14.11	14.25	52.4		
	5	14.61	14.49	14.63	128	48.2	56.2
	1	15.68	15.61	15.75	178		
Aroclor-1260	2	16.22	16.14	16.28	162		
	3	16.81	16.73	16.87	204		
COLUMN 1	4	17.48	17.40	17.54	230		
	5	18.82	18.75	18.89	192	193	
	1	15.85	15.77	15.91	214		
	2	16.75	16.67	16.81	174		
	3	17.14	17.07	17.21	203		
COLUMN 2	4	18.11	18.03	18.17	211		
	5	19.24	19.17	19.31	189	198	2.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

C03V-13S
-06-0804

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: CTO 351 NAS KE

Lab Code: PO No.: SDG No.: WU2523

Lab Sample ID: WU2523-10 Date(s) Analyzed: 08/23/04 08/23/04

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.68	15.61	15.75	22.1		
Aroclor-1260	2	16.22	16.14	16.28	14.4		
	3	16.80	16.73	16.87	15.5		
COLUMN 1	4	17.48	17.40	17.54	18.1		
	5	18.82	18.75	18.89	8.71	15.8	
	1	15.84	15.77	15.91	29.4		
	2	16.75	16.67	16.81	18.4		
	3	17.14	17.07	17.21	13.6		
COLUMN 2	4	18.10	18.03	18.17	11.5		
	5	19.24	19.17	19.31	7.84	16.2	2.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 8, 2004**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS + TIN**
NAS KEY WEST – CTO 349
SAMPLE DELIVERY GROUP (SDG) – WU2523

SAMPLES: 17/SOIL/

C03V-13S-06-0804	C03V-13S-12-0804	C03V-13S-24-0804
C03V-13W-06-0804	C03V-13W-12-0804	C03V-13W-24-0804
C03V-14S-06-0804	C03V-14S-12-0804	C03V-14S-24-0804
C03V-15S-06-0804	C03V-15S-12-0804	C03V-15S-24-0804
C03V-16S-06-0804	C03V-16S-12-0804	C03V-16S-24-0804
C03V-DUP08-0804	C03V-DUP09-0804	

Overview

The sample set for NAS Key West, CTO 349, SDG WU2523, consists of seventeen (17) soil environmental samples. Two (2) field duplicate pairs (C03V-DUP08-0804 / C03V-15S-06-0804; C03V-DUP09-0804 / C03V-13S-12-0804) are included in this SDG.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by Tetra Tech NUS on August 16, 2004 and analyzed by Katahdin Analytical Services. Metals analyses except mercury were conducted using SW846 method 6010B. Mercury analyses were conducted using SW846 method 7471A.

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

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
• Laboratory Blank Analyses
• Field Duplicate Analyses
* • Detection Limits

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	539.79 ug/L	269.90 mg/kg
Antimony	3.36 ug/L	1.68 mg/kg
Barium	0.31 ug/L	0.16 mg/kg
Beryllium	0.64 ug/L	0.32 mg/kg
Calcium[1]	7.032 mg/kg	35.16 mg/kg
Chromium	0.93 ug/L	0.47 mg/kg
Iron	21.59 ug/L	10.80 mg/kg
Lead[1]	0.368 mg/kg	1.84 mg/kg
Magnesium	48.67 ug/L	24.34 mg/kg
Manganese[1]	0.01 mg/kg	0.05 mg/kg
Sodium	59.58 ug/L	29.79 mg/kg
Thallium	4.47 ug/L	2.24 mg/kg
Tin[1]	2.929 mg/kg	14.65 mg/kg
Zinc	3.13 ug/L	1.57 mg/kg

[1] Maximum concentration present in laboratory preparation blank.

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

Field Duplicate Results

Field duplicate imprecision (Difference >4X the CRDL) was noted for lead for field duplicate pair C03V-DUP08-0804 / C03V-15S-06-0804. Positive results reported for lead were qualified as estimated (J) for this field duplicate pair only.

Field duplicate imprecision (Difference >4X the CRDL) was noted for iron and lead for field duplicate pair C03V-DUP09-0804 / C03V-13S-12-0804. Positive results reported for iron and lead were qualified as estimated (J) for this field duplicate pair only.

Notes

The continuing calibration verification (CCV) standards run on 8/20/04 at 22:12 and 23:34 and on 8/21/04 at 00:55 and 02:16 had percent recoveries (%Rs) <90% for aluminum. The CCV standards run on 8/20/04 at 22:12 and on 8/21/04 at 00:55 and 02:16 had %Rs >110% for calcium. The CCV standards run on 8/21/04 at 00:55 and 02:16 had %Rs >110% for antimony. No qualification action was required for these analytes because no samples that were analyzed for aluminum, antimony, or calcium were associated with these standards.

The CCV standard run on 8/30/04 at 16:45 had a %R >110% for tin. No qualification action was required for tin because there were no samples associated with this standard.

Dilutions were performed for calcium in all samples due to the concentrations of calcium above the linear range of the instrument.

A dilution was performed for lead in sample C03V-16S-12-0804 due to the concentration of lead above the linear range of the instrument.

Executive Summary

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

Other Factors Affecting Data Quality: Iron and lead were qualified for field duplicate imprecision.

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: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-13S-06-0804	nsample	C03V-13S-12-0804	nsample	C03V-13S-24-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2523-010	lab_id	WU2523-011	lab_id	WU2523-012
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	89.5	Pct_Solids	88.3	Pct_Solids	81.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	82.8	U	A
ANTIMONY	0.44	U	A
ARSENIC	0.23	U	
BARIUM	7.6		
BERYLLIUM	0.06	U	A
CADMIUM	0.31	U	
CALCIUM	280000		
CHROMIUM	1.7		
COBALT	0.34	U	
COPPER	3.8		
IRON	85.4		
LEAD	7.7		
MAGNESIUM	709		
MANGANESE	2.6		
MERCURY	0.02		
NICKEL	0.83	U	
POTASSIUM	18.35	U	
SELENIUM	0.29	U	
SILVER	0.05	U	
SODIUM	1090		
THALLIUM	0.41	U	A
TIN	2.5	U	A
VANADIUM	1.6		
ZINC	9.3		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	49.5	U	A
ANTIMONY	0.24	U	A
ARSENIC	0.21	U	
BARIUM	4.7		
BERYLLIUM	0.05	U	A
CADMIUM	0.28	U	
CALCIUM	255000		
CHROMIUM	1.2		
COBALT	0.31	U	
COPPER	0.23		
IRON	42.7	J	G
LEAD	1.5	J	G
MAGNESIUM	700		
MANGANESE	1.1		
MERCURY	0.01	U	
NICKEL	0.76	U	
POTASSIUM	37.4		
SELENIUM	0.26	U	
SILVER	0.05	U	
SODIUM	1140		
THALLIUM	0.29	U	
TIN	2.2	U	A
VANADIUM	1.4		
ZINC	2.3		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	1170		
ANTIMONY	0.6	U	A
ARSENIC	1.1		
BARIUM	14.5		
BERYLLIUM	0.11	U	A
CADMIUM	0.36	U	
CALCIUM	306000		
CHROMIUM	2.3		
COBALT	0.39	U	
COPPER	4		
IRON	1040		
LEAD	11.1		
MAGNESIUM	4330		
MANGANESE	114		
MERCURY	0.06		
NICKEL	1.9		
POTASSIUM	114		
SELENIUM	0.33	U	
SILVER	0.06	U	
SODIUM	1500		
THALLIUM	0.37	U	
TIN	3.3	U	A
VANADIUM	3.3		
ZINC	19.4		

PROJ_NO: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-13W-06-0804	nsample	C03V-13W-12-0804	nsample	C03V-13W-24-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2523-013	lab_id	WU2523-014	lab_id	WU2523-015
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	88.0	Pct_Solids	80.4	Pct_Solids	89.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	80.5	U	A
ANTIMONY	0.16	U	
ARSENIC	0.31		
BARIUM	6.5		
BERYLLIUM	0.07	U	A
CADMIUM	0.27	U	
CALCIUM	302000		
CHROMIUM	1.7		
COBALT	0.3	U	
COPPER	0.73		
IRON	65.7		
LEAD	2.6		
MAGNESIUM	897		
MANGANESE	2.1		
MERCURY	0.01	U	
NICKEL	0.73	U	
POTASSIUM	25.8		
SELENIUM	0.25	U	
SILVER	0.05	U	
SODIUM	1300		
THALLIUM	0.28	U	
TIN	2.1	U	A
VANADIUM	1.6		
ZINC	2.9		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	65.2	U	A
ANTIMONY	0.24	U	
ARSENIC	0.31	U	
BARIUM	5.1		
BERYLLIUM	0.09	U	A
CADMIUM	0.41	U	
CALCIUM	320000		
CHROMIUM	1.5		
COBALT	0.45	U	
COPPER	0.09	U	
IRON	38		
LEAD	3.4		
MAGNESIUM	1160		
MANGANESE	1.6		
MERCURY	0.01	U	
NICKEL	1.12	U	
POTASSIUM	24.66	U	
SELENIUM	0.38	U	
SILVER	0.07	U	
SODIUM	1070		
THALLIUM	0.56	U	A
TIN	3	U	A
VANADIUM	1.7		
ZINC	1.1	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	59	U	A
ANTIMONY	0.19	U	
ARSENIC	0.28		
BARIUM	5		
BERYLLIUM	0.09	U	A
CADMIUM	0.33	U	
CALCIUM	298000		
CHROMIUM	1.3		
COBALT	0.36	U	
COPPER	0.29		
IRON	47.4		
LEAD	1.7		
MAGNESIUM	689		
MANGANESE	1.6		
MERCURY	0.01	U	
NICKEL	0.9	U	
POTASSIUM	19.78	U	
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	1040		
THALLIUM	0.34	U	
TIN	2.3	U	A
VANADIUM	1		
ZINC	2.1		

PROJ_NO: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-14S-06-0804	nsample	C03V-14S-12-0804	nsample	C03V-14S-24-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2523-007	lab_id	WU2523-008	lab_id	WU2523-009
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	78.2	Pct_Solids	77.5	Pct_Solids	75.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	700		
ANTIMONY	0.25	U	
ARSENIC	0.7		
BARIUM	5.7		
BERYLLIUM	0.13	U	A
CADMIUM	0.43	U	
CALCIUM	226000		
CHROMIUM	5.4		
COBALT	0.47	U	
COPPER	0.58		
IRON	613		
LEAD	0.79	U	A
MAGNESIUM	2060		
MANGANESE	25.9		
MERCURY	0.01	U	
NICKEL	1.16	U	
POTASSIUM	33.1		
SELENIUM	0.4	U	
SILVER	0.08	U	
SODIUM	220		
THALLIUM	0.44	U	
TIN	3.5	U	A
VANADIUM	4.8		
ZINC	1.2	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	762		
ANTIMONY	0.2	U	
ARSENIC	0.69		
BARIUM	5.4		
BERYLLIUM	0.13	U	A
CADMIUM	0.34	U	
CALCIUM	206000		
CHROMIUM	5.6		
COBALT	0.37	U	
COPPER	0.89		
IRON	609		
LEAD	0.86	U	A
MAGNESIUM	1860		
MANGANESE	23.5		
MERCURY	0.01	U	
NICKEL	0.92	U	
POTASSIUM	86.7		
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	224		
THALLIUM	0.35	U	
TIN	2.6	U	A
VANADIUM	5.4		
ZINC	1.3	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	128	U	A
ANTIMONY	0.97	U	A
ARSENIC	0.82		
BARIUM	7.2		
BERYLLIUM	0.09	U	A
CADMIUM	0.36	U	
CALCIUM	325000		
CHROMIUM	2.6		
COBALT	0.4	U	
COPPER	0.96		
IRON	221		
LEAD	4.9		
MAGNESIUM	6850		
MANGANESE	6.7		
MERCURY	0.03		
NICKEL	0.98	U	
POTASSIUM	37.6		
SELENIUM	0.34	U	
SILVER	0.06	U	
SODIUM	2170		
THALLIUM	0.37	U	
TIN	3.5	U	A
VANADIUM	0.63		
ZINC	4		

PROJ_NO: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-15S-06-0804	nsample	C03V-15S-12-0804	nsample	C03V-15S-24-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2523-004	lab_id	WU2523-005	lab_id	WU2523-006
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	93.1	Pct_Solids	90.3	Pct_Solids	74.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	719		
ANTIMONY	0.26	U	A
ARSENIC	0.81		
BARIUM	6		
BERYLLIUM	0.14	U	A
CADMIUM	0.31	U	
CALCIUM	229000		
CHROMIUM	5.8		
COBALT	0.34	U	
COPPER	1.2		
IRON	615		
LEAD	10.2	J	G
MAGNESIUM	1960		
MANGANESE	23.6		
MERCURY	0.01	U	
NICKEL	0.85	U	
POTASSIUM	66.6		
SELENIUM	0.29	U	
SILVER	0.05	U	
SODIUM	290		
THALLIUM	0.32	U	
TIN	2.3	U	A
VANADIUM	5.1		
ZINC	3.2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	765		
ANTIMONY	0.82	U	A
ARSENIC	0.91		
BARIUM	6.8		
BERYLLIUM	0.13	U	A
CADMIUM	0.32	U	
CALCIUM	240000		
CHROMIUM	6.2		
COBALT	0.35	U	
COPPER	7.6		
IRON	948		
LEAD	140		
MAGNESIUM	2120		
MANGANESE	25.6		
MERCURY	0.01	U	
NICKEL	1.1		
POTASSIUM	20.6		
SELENIUM	0.3	U	
SILVER	0.06	U	
SODIUM	331		
THALLIUM	0.33	U	
TIN	3.1	U	A
VANADIUM	6		
ZINC	24.2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	468		
ANTIMONY	1.1	U	A
ARSENIC	1.4		
BARIUM	18.5		
BERYLLIUM	0.12	U	A
CADMIUM	0.42	U	
CALCIUM	310000		
CHROMIUM	3.4		
COBALT	0.46	U	
COPPER	7.8		
IRON	1830		
LEAD	58.5		
MAGNESIUM	6330		
MANGANESE	17.8		
MERCURY	0.11		
NICKEL	1.15	U	
POTASSIUM	60.8		
SELENIUM	0.39	U	
SILVER	0.07	U	
SODIUM	2080		
THALLIUM	0.44	U	
TIN	8.6	U	A
VANADIUM	2.7		
ZINC	36.7		

PROJ_NO: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-16S-06-0804	nsample	C03V-16S-12-0804	nsample	C03V-16S-24-0804
samp_date	8/16/2004	samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2523-001	lab_id	WU2523-002	lab_id	WU2523-003
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	91.1	Pct_Solids	86.1	Pct_Solids	78.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	777		
ANTIMONY	0.22	U	
ARSENIC	0.61		
BARIUM	5.7		
BERYLLIUM	0.13	U	A
CADMIUM	0.38	U	
CALCIUM	234000		
CHROMIUM	5.8		
COBALT	0.41	U	
COPPER	0.82		
IRON	661		
LEAD	1.8		
MAGNESIUM	2110		
MANGANESE	25.6		
MERCURY	0.01	U	
NICKEL	1.9		
POTASSIUM	104		
SELENIUM	0.35	U	
SILVER	0.07	U	
SODIUM	204		
THALLIUM	0.41	U	A
TIN	3	U	A
VANADIUM	6.1		
ZINC	1.5		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	719		
ANTIMONY	82		
ARSENIC	3.2		
BARIUM	73.2		
BERYLLIUM	0.08	U	A
CADMIUM	7.4		
CALCIUM	323000		
CHROMIUM	57.4		
COBALT	1.2		
COPPER	286		
IRON	11600		
LEAD	7840		
MAGNESIUM	4230		
MANGANESE	87		
MERCURY	0.53		
NICKEL	12.3		
POTASSIUM	67.9		
SELENIUM	0.37	U	
SILVER	0.9		
SODIUM	1510		
THALLIUM	0.4	U	
TIN	23.1		
VANADIUM	13.3		
ZINC	829		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	423		
ANTIMONY	1.4	U	A
ARSENIC	0.33		
BARIUM	14.9		
BERYLLIUM	0.11	U	A
CADMIUM	0.35	U	
CALCIUM	378000		
CHROMIUM	2.3		
COBALT	0.39	U	
COPPER	3.2		
IRON	310		
LEAD	32.4		
MAGNESIUM	1500		
MANGANESE	8.3		
MERCURY	0.08		
NICKEL	0.96	U	
POTASSIUM	21.12	U	
SELENIUM	0.33	U	
SILVER	0.06	U	
SODIUM	1660		
THALLIUM	0.36	U	
TIN	2.8	U	A
VANADIUM	0.97		
ZINC	19.7		

PROJ_NO: 0693

SDG: WU2523 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-DUP08-0804	nsample	C03V-DUP09-0804
samp_date	8/16/2004	samp_date	8/16/2004
lab_id	WU2523-016	lab_id	WU2523-017
qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG
Pct_Solids	79.3	Pct_Solids	89.4
DUP_OF:	C03V-15S-06-0804	DUP_OF:	C03V-13S-12-0804

Parameter	Result	Val Qual	Qual Code
ALUMINUM	763		
ANTIMONY	0.2	U	
ARSENIC	0.84		
BARIUM	5.6		
BERYLLIUM	0.16	U	A
CADMIUM	0.35	U	
CALCIUM	215000		
CHROMIUM	6		
COBALT	0.38	U	
COPPER	0.68		
IRON	650		
LEAD	2.4	J	G
MAGNESIUM	1950		
MANGANESE	24.5		
MERCURY	0.01	U	
NICKEL	0.94	U	
POTASSIUM	98.3		
SELENIUM	0.32	U	
SILVER	0.06	U	
SODIUM	245		
THALLIUM	0.36	U	
TIN	2.5	U	A
VANADIUM	5.6		
ZINC	1.7		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	119	U	A
ANTIMONY	0.3	U	A
ARSENIC	0.37		
BARIUM	7		
BERYLLIUM	0.12	U	A
CADMIUM	0.36	U	
CALCIUM	274000		
CHROMIUM	1.7		
COBALT	0.4	U	
COPPER	0.96		
IRON	140	J	G
LEAD	9.2	J	G
MAGNESIUM	946		
MANGANESE	2.5		
MERCURY	0.02		
NICKEL	0.98	U	
POTASSIUM	40.9		
SELENIUM	0.34	U	
SILVER	0.06	U	
SODIUM	1000		
THALLIUM	0.37	U	
TIN	2.5	U	A
VANADIUM	1.9		
ZINC	3.7		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-13S-06-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 89.4 **Lab Sample ID:** WU2523-010

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	82.8		N	P	1	23	1.38
7440-36-0	ANTIMONY, TOTAL	0.44	B	N	P	1	0.62	0.18
7440-38-2	ARSENIC, TOTAL	0.23	U	N	P	1	0.62	0.23
7440-39-3	BARIUM, TOTAL	7.6		N	P	1	0.38	0.01
7440-41-7	BERYLLIUM, TOTAL	0.06	B	N	P	1	0.38	0.02
7440-43-9	CADMIUM, TOTAL	0.31	U	N	P	1	0.77	0.31
7440-70-2	CALCIUM, TOTAL	280000			P	10	38	16.50
7440-47-3	CHROMIUM, TOTAL	1.7		N	P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.34	U	N	P	1	2.3	0.34
7440-50-8	COPPER, TOTAL	3.8		N	P	1	1.9	0.07
7439-89-6	IRON, TOTAL	85.4			P	1	7.7	0.82
7439-92-1	LEAD, TOTAL	7.7		N	P	1	0.38	0.13
7439-95-4	MAGNESIUM, TOTAL	709		N*	P	1	3.8	0.58
7439-96-5	MANGANESE, TOTAL	2.6		N	P	1	0.38	0.01
7439-97-6	MERCURY, TOTAL	0.02	B		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	0.83	U	N	P	1	3.1	0.83
7440-09-7	POTASSIUM, TOTAL	18.35	U	N	P	1	77	18.35
7782-49-2	SELENIUM, TOTAL	0.29	U	N	P	1	0.77	0.29
7440-22-4	SILVER, TOTAL	0.05	U	N	P	1	1.2	0.05
7440-23-5	SODIUM, TOTAL	1090		N	P	1	77	1.47
7440-28-0	THALLIUM, TOTAL	0.41	B	N	P	1	1.2	0.32
7440-31-5	TIN, TOTAL	2.5	B	N	P	1	7.7	0.14
7440-62-2	VANADIUM, TOTAL	1.6	B	N	P	1	1.9	0.32
7440-66-6	ZINC, TOTAL	9.3		N	P	1	1.9	0.11

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-13S-12-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 88.3 **Lab Sample ID:** WU2523-011

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	49.5		N	P	1	21	1.27
7440-36-0	ANTIMONY, TOTAL	0.24	B	N	P	1	0.57	0.17
7440-38-2	ARSENIC, TOTAL	0.21	U	N	P	1	0.57	0.21
7440-39-3	BARIUM, TOTAL	4.7		N	P	1	0.35	0.01
7440-41-7	BERYLLIUM, TOTAL	0.05	B	N	P	1	0.35	0.02
7440-43-9	CADMIUM, TOTAL	0.28	U	N	P	1	0.71	0.28
7440-70-2	CALCIUM, TOTAL	255000			P	10	35	15.15
7440-47-3	CHROMIUM, TOTAL	1.2		N	P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.31	U	N	P	1	2.1	0.31
7440-50-8	COPPER, TOTAL	0.23	B	N	P	1	1.8	0.06
7439-89-6	IRON, TOTAL	42.7			P	1	7.1	0.76
7439-92-1	LEAD, TOTAL	1.5		N	P	1	0.35	0.12
7439-95-4	MAGNESIUM, TOTAL	700		N*	P	1	3.5	0.53
7439-96-5	MANGANESE, TOTAL	1.1		N	P	1	0.35	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	0.76	U	N	P	1	2.8	0.76
7440-09-7	POTASSIUM, TOTAL	37.4	B	N	P	1	71	16.85
7782-49-2	SELENIUM, TOTAL	0.26	U	N	P	1	0.71	0.26
7440-22-4	SILVER, TOTAL	0.05	U	N	P	1	1.1	0.05
7440-23-5	SODIUM, TOTAL	1140		N	P	1	71	1.35
7440-28-0	THALLIUM, TOTAL	0.29	U	N	P	1	1.1	0.29
7440-31-5	TIN, TOTAL	2.2	B	N	P	1	7.1	0.13
7440-62-2	VANADIUM, TOTAL	1.4	B	N	P	1	1.8	0.29
7440-66-6	ZINC, TOTAL	2.3		N	P	1	1.8	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:** C03V-13S-24-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 81.5 **Lab Sample ID:** WU2523-012

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	1170		N	P	1	27	1.61
7440-36-0	ANTIMONY, TOTAL	0.60	B	N	P	1	0.72	0.21
7440-38-2	ARSENIC, TOTAL	1.1		N	P	1	0.72	0.27
7440-39-3	BARIUM, TOTAL	14.5		N	P	1	0.45	0.02
7440-41-7	BERYLLIUM, TOTAL	0.11	B	N	P	1	0.45	0.02
7440-43-9	CADMIUM, TOTAL	0.36	U	N	P	1	0.90	0.36
7440-70-2	CALCIUM, TOTAL	306000			P	10	45	19.30
7440-47-3	CHROMIUM, TOTAL	2.3		N	P	1	1.4	0.07
7440-48-4	COBALT, TOTAL	0.39	U	N	P	1	2.7	0.39
7440-50-8	COPPER, TOTAL	4.0		N	P	1	2.2	0.08
7439-89-6	IRON, TOTAL	1040			P	1	9.0	0.97
7439-92-1	LEAD, TOTAL	11.1		N	P	1	0.45	0.15
7439-95-4	MAGNESIUM, TOTAL	4330		N*	P	1	4.5	0.68
7439-96-5	MANGANESE, TOTAL	114		N	P	1	0.45	0.01
7439-97-6	MERCURY, TOTAL	0.06			CV	1	0.034	0.01
7440-02-0	NICKEL, TOTAL	1.9	B	N	P	1	3.6	0.97
7440-09-7	POTASSIUM, TOTAL	114		N	P	1	90	21.47
7782-49-2	SELENIUM, TOTAL	0.33	U	N	P	1	0.90	0.33
7440-22-4	SILVER, TOTAL	0.06	U	N	P	1	1.4	0.06
7440-23-5	SODIUM, TOTAL	1500		N	P	1	90	1.72
7440-28-0	THALLIUM, TOTAL	0.37	U	N	P	1	1.4	0.37
7440-31-5	TIN, TOTAL	3.3	B	N	P	1	9.0	0.16
7440-62-2	VANADIUM, TOTAL	3.3		N	P	1	2.2	0.37
7440-66-6	ZINC, TOTAL	19.4		N	P	1	2.2	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-13W-06-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 88.0 **Lab Sample ID:** WU2523-013

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	80.5		N	P	1	20	1.22
7440-36-0	ANTIMONY, TOTAL	0.16	U	N	P	1	0.54	0.16
7440-38-2	ARSENIC, TOTAL	0.31	B	N	P	1	0.54	0.21
7440-39-3	BARIUM, TOTAL	6.5		N	P	1	0.34	0.01
7440-41-7	BERYLLIUM, TOTAL	0.07	B	N	P	1	0.34	0.02
7440-43-9	CADMIUM, TOTAL	0.27	U	N	P	1	0.68	0.27
7440-70-2	CALCIUM, TOTAL	302000			P	20	68	29.11
7440-47-3	CHROMIUM, TOTAL	1.7		N	P	1	1.0	0.05
7440-48-4	COBALT, TOTAL	0.30	U	N	P	1	2.0	0.30
7440-50-8	COPPER, TOTAL	0.73	B	N	P	1	1.7	0.06
7439-89-6	IRON, TOTAL	65.7			P	1	6.8	0.73
7439-92-1	LEAD, TOTAL	2.6		N	P	1	0.34	0.12
7439-95-4	MAGNESIUM, TOTAL	897		N*	P	1	3.4	0.51
7439-96-5	MANGANESE, TOTAL	2.1		N	P	1	0.34	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	0.73	U	N	P	1	2.7	0.73
7440-09-7	POTASSIUM, TOTAL	25.8	B	N	P	1	68	16.19
7782-49-2	SELENIUM, TOTAL	0.25	U	N	P	1	0.68	0.25
7440-22-4	SILVER, TOTAL	0.05	U	N	P	1	1.0	0.05
7440-23-5	SODIUM, TOTAL	1300		N	P	1	68	1.30
7440-28-0	THALLIUM, TOTAL	0.28	U	N	P	1	1.0	0.28
7440-31-5	TIN, TOTAL	2.1	B	N	P	1	6.8	0.12
7440-62-2	VANADIUM, TOTAL	1.6	B	N	P	1	1.7	0.28
7440-66-6	ZINC, TOTAL	2.9		N	P	1	1.7	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:** C03V-13W-12-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 80.4 **Lab Sample ID:** WU2523-014

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	65.2		N	P	1	31	1.85
7440-36-0	ANTIMONY, TOTAL	0.24	U	N	P	1	0.83	0.24
7440-38-2	ARSENIC, TOTAL	0.31	U	N	P	1	0.83	0.31
7440-39-3	BARIUM, TOTAL	5.1		N	P	1	0.52	0.02
7440-41-7	BERYLLIUM, TOTAL	0.09	B	N	P	1	0.52	0.03
7440-43-9	CADMIUM, TOTAL	0.41	U	N	P	1	1.0	0.41
7440-70-2	CALCIUM, TOTAL	320000			P	10	52	22.18
7440-47-3	CHROMIUM, TOTAL	1.5	B	N	P	1	1.6	0.08
7440-48-4	COBALT, TOTAL	0.45	U	N	P	1	3.1	0.45
7440-50-8	COPPER, TOTAL	0.09	U	N	P	1	2.6	0.09
7439-89-6	IRON, TOTAL	38.0			P	1	10	1.11
7439-92-1	LEAD, TOTAL	3.4		N	P	1	0.52	0.18
7439-95-4	MAGNESIUM, TOTAL	1160		N*	P	1	5.2	0.78
7439-96-5	MANGANESE, TOTAL	1.6		N	P	1	0.52	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.031	0.01
7440-02-0	NICKEL, TOTAL	1.12	U	N	P	1	4.1	1.12
7440-09-7	POTASSIUM, TOTAL	24.66	U	N	P	1	100	24.66
7782-49-2	SELENIUM, TOTAL	0.38	U	N	P	1	1.0	0.38
7440-22-4	SILVER, TOTAL	0.07	U	N	P	1	1.6	0.07
7440-23-5	SODIUM, TOTAL	1070		N	P	1	100	1.98
7440-28-0	THALLIUM, TOTAL	0.56	B	N	P	1	1.6	0.42
7440-31-5	TIN, TOTAL	3.0	B	N	P	1	10	0.19
7440-62-2	VANADIUM, TOTAL	1.7	B	N	P	1	2.6	0.43
7440-66-6	ZINC, TOTAL	1.1	B	N	P	1	2.6	0.15

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-13W-24-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 89.8 **Lab Sample ID:** WU2523-015

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	59.0		N	P	1	25	1.49
7440-36-0	ANTIMONY, TOTAL	0.19	U	N	P	1	0.66	0.19
7440-38-2	ARSENIC, TOTAL	0.28	B	N	P	1	0.66	0.25
7440-39-3	BARIUM, TOTAL	5.0		N	P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.09	B	N	P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.33	U	N	P	1	0.83	0.33
7440-70-2	CALCIUM, TOTAL	298000			P	10	42	17.78
7440-47-3	CHROMIUM, TOTAL	1.3		N	P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.36	U	N	P	1	2.5	0.36
7440-50-8	COPPER, TOTAL	0.29	B	N	P	1	2.1	0.07
7439-89-6	IRON, TOTAL	47.4			P	1	8.3	0.89
7439-92-1	LEAD, TOTAL	1.7		N	P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	689		N*	P	1	4.2	0.62
7439-96-5	MANGANESE, TOTAL	1.6		N	P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.031	0.01
7440-02-0	NICKEL, TOTAL	0.90	U	N	P	1	3.3	0.90
7440-09-7	POTASSIUM, TOTAL	19.78	U	N	P	1	83	19.78
7782-49-2	SELENIUM, TOTAL	0.31	U	N	P	1	0.83	0.31
7440-22-4	SILVER, TOTAL	0.06	U	N	P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	1040		N	P	1	83	1.59
7440-28-0	THALLIUM, TOTAL	0.34	U	N	P	1	1.2	0.34
7440-31-5	TIN, TOTAL	2.3	B	N	P	1	8.3	0.15
7440-62-2	VANADIUM, TOTAL	1.0	B	N	P	1	2.1	0.34
7440-66-6	ZINC, TOTAL	2.1		N	P	1	2.1	0.12

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-14S-06-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 78.2 **Lab Sample ID:** WU2523-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	700		N	P	1	32	1.92
7440-36-0	ANTIMONY, TOTAL	0.25	U	N	P	1	0.86	0.25
7440-38-2	ARSENIC, TOTAL	0.70	B	N	P	1	0.86	0.33
7440-39-3	BARIUM, TOTAL	5.7		N	P	1	0.54	0.02
7440-41-7	BERYLLIUM, TOTAL	0.13	B	N	P	1	0.54	0.03
7440-43-9	CADMIUM, TOTAL	0.43	U	N	P	1	1.1	0.43
7440-70-2	CALCIUM, TOTAL	226000			P	10	54	23.01
7440-47-3	CHROMIUM, TOTAL	5.4		N	P	1	1.6	0.09
7440-48-4	COBALT, TOTAL	0.47	U	N	P	1	3.2	0.47
7440-50-8	COPPER, TOTAL	0.58	B	N	P	1	2.7	0.09
7439-89-6	IRON, TOTAL	613			P	1	11	1.15
7439-92-1	LEAD, TOTAL	0.79		N	P	1	0.54	0.18
7439-95-4	MAGNESIUM, TOTAL	2060		N*	P	1	5.4	0.81
7439-96-5	MANGANESE, TOTAL	25.9		N	P	1	0.54	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.034	0.01
7440-02-0	NICKEL, TOTAL	1.16	U	N	P	1	4.3	1.16
7440-09-7	POTASSIUM, TOTAL	33.1	B	N	P	1	110	25.59
7782-49-2	SELENIUM, TOTAL	0.40	U	N	P	1	1.1	0.40
7440-22-4	SILVER, TOTAL	0.08	U	N	P	1	1.6	0.08
7440-23-5	SODIUM, TOTAL	220		N	P	1	110	2.05
7440-28-0	THALLIUM, TOTAL	0.44	U	N	P	1	1.6	0.44
7440-31-5	TIN, TOTAL	3.5	B	N	P	1	11	0.19
7440-62-2	VANADIUM, TOTAL	4.8		N	P	1	2.7	0.45
7440-66-6	ZINC, TOTAL	1.2	B	N	P	1	2.7	0.15

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-14S-12-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 77.5 **Lab Sample ID:** WU2523-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	762		N	P	1	25	1.52
7440-36-0	ANTIMONY, TOTAL	0.20	U	N	P	1	0.68	0.20
7440-38-2	ARSENIC, TOTAL	0.69		N	P	1	0.68	0.26
7440-39-3	BARIUM, TOTAL	5.4		N	P	1	0.42	0.01
7440-41-7	BERYLLIUM, TOTAL	0.13	B	N	P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.34	U	N	P	1	0.85	0.34
7440-70-2	CALCIUM, TOTAL	206000			P	10	42	18.16
7440-47-3	CHROMIUM, TOTAL	5.6		N	P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.37	U	N	P	1	2.5	0.37
7440-50-8	COPPER, TOTAL	0.89	B	N	P	1	2.1	0.07
7439-89-6	IRON, TOTAL	609			P	1	8.5	0.91
7439-92-1	LEAD, TOTAL	0.86		N	P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	1860		N*	P	1	4.2	0.64
7439-96-5	MANGANESE, TOTAL	23.5		N	P	1	0.42	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	0.92	U	N	P	1	3.4	0.92
7440-09-7	POTASSIUM, TOTAL	86.7		N	P	1	85	20.20
7782-49-2	SELENIUM, TOTAL	0.31	U	N	P	1	0.85	0.31
7440-22-4	SILVER, TOTAL	0.06	U	N	P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	224		N	P	1	85	1.62
7440-28-0	THALLIUM, TOTAL	0.35	U	N	P	1	1.3	0.35
7440-31-5	TIN, TOTAL	2.6	B	N	P	1	8.5	0.15
7440-62-2	VANADIUM, TOTAL	5.4		N	P	1	2.1	0.35
7440-66-6	ZINC, TOTAL	1.3	B	N	P	1	2.1	0.12

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-14S-24-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 75.8 **Lab Sample ID:** WU2523-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	128		N	P	1	27	1.63
7440-36-0	ANTIMONY, TOTAL	0.97		N	P	1	0.73	0.21
7440-38-2	ARSENIC, TOTAL	0.82		N	P	1	0.73	0.28
7440-39-3	BARIUM, TOTAL	7.2		N	P	1	0.45	0.02
7440-41-7	BERYLLIUM, TOTAL	0.09	B	N	P	1	0.45	0.02
7440-43-9	CADMIUM, TOTAL	0.36	U	N	P	1	0.91	0.36
7440-70-2	CALCIUM, TOTAL	325000			P	10	45	19.47
7440-47-3	CHROMIUM, TOTAL	2.6		N	P	1	1.4	0.07
7440-48-4	COBALT, TOTAL	0.40	U	N	P	1	2.7	0.40
7440-50-8	COPPER, TOTAL	0.96	B	N	P	1	2.3	0.08
7439-89-6	IRON, TOTAL	221			P	1	9.1	0.97
7439-92-1	LEAD, TOTAL	4.9		N	P	1	0.45	0.15
7439-95-4	MAGNESIUM, TOTAL	6850		N*	P	1	4.5	0.68
7439-96-5	MANGANESE, TOTAL	6.7		N	P	1	0.45	0.01
7439-97-6	MERCURY, TOTAL	0.03	B		CV	1	0.040	0.01
7440-02-0	NICKEL, TOTAL	0.98	U	N	P	1	3.6	0.98
7440-09-7	POTASSIUM, TOTAL	37.6	B	N	P	1	91	21.66
7782-49-2	SELENIUM, TOTAL	0.34	U	N	P	1	0.91	0.34
7440-22-4	SILVER, TOTAL	0.06	U	N	P	1	1.4	0.06
7440-23-5	SODIUM, TOTAL	2170		N	P	1	91	1.74
7440-28-0	THALLIUM, TOTAL	0.37	U	N	P	1	1.4	0.37
7440-31-5	TIN, TOTAL	3.5	B	N	P	1	9.1	0.16
7440-62-2	VANADIUM, TOTAL	0.63	B	N	P	1	2.3	0.38
7440-66-6	ZINC, TOTAL	4.0		N	P	1	2.3	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-15S-06-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 93.1 **Lab Sample ID:** WU2523-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	719		N	P	1	24	1.40
7440-36-0	ANTIMONY, TOTAL	0.26	B	N	P	1	0.63	0.18
7440-38-2	ARSENIC, TOTAL	0.81		N	P	1	0.63	0.24
7440-39-3	BARIUM, TOTAL	6.0		N	P	1	0.39	0.01
7440-41-7	BERYLLIUM, TOTAL	0.14	B	N	P	1	0.39	0.02
7440-43-9	CADMIUM, TOTAL	0.31	U	N	P	1	0.78	0.31
7440-70-2	CALCIUM, TOTAL	229000			P	10	39	16.78
7440-47-3	CHROMIUM, TOTAL	5.8		N	P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.34	U	N	P	1	2.4	0.34
7440-50-8	COPPER, TOTAL	1.2	B	N	P	1	2.0	0.07
7439-89-6	IRON, TOTAL	615			P	1	7.8	0.84
7439-92-1	LEAD, TOTAL	10.2		N	P	1	0.39	0.13
7439-95-4	MAGNESIUM, TOTAL	1960		N*	P	1	3.9	0.59
7439-96-5	MANGANESE, TOTAL	23.6		N	P	1	0.39	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.031	0.01
7440-02-0	NICKEL, TOTAL	0.85	U	N	P	1	3.1	0.85
7440-09-7	POTASSIUM, TOTAL	66.6	B	N	P	1	78	18.66
7782-49-2	SELENIUM, TOTAL	0.29	U	N	P	1	0.78	0.29
7440-22-4	SILVER, TOTAL	0.05	U	N	P	1	1.2	0.05
7440-23-5	SODIUM, TOTAL	290		N	P	1	78	1.50
7440-28-0	THALLIUM, TOTAL	0.32	U	N	P	1	1.2	0.32
7440-31-5	TIN, TOTAL	2.3	B	N	P	1	7.8	0.14
7440-62-2	VANADIUM, TOTAL	5.1		N	P	1	2.0	0.32
7440-66-6	ZINC, TOTAL	3.2		N	P	1	2.0	0.11

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-15S-12-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 90.3 **Lab Sample ID:** WU2523-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	765		N	P	1	24	1.43
7440-36-0	ANTIMONY, TOTAL	0.82		N	P	1	0.64	0.19
7440-38-2	ARSENIC, TOTAL	0.91		N	P	1	0.64	0.24
7440-39-3	BARIUM, TOTAL	6.8		N	P	1	0.40	0.01
7440-41-7	BERYLLIUM, TOTAL	0.13	B	N	P	1	0.40	0.02
7440-43-9	CADMIUM, TOTAL	0.32	U	N	P	1	0.80	0.32
7440-70-2	CALCIUM, TOTAL	240000			P	10	40	17.05
7440-47-3	CHROMIUM, TOTAL	6.2		N	P	1	1.2	0.06
7440-48-4	COBALT, TOTAL	0.35	U	N	P	1	2.4	0.35
7440-50-8	COPPER, TOTAL	7.6		N	P	1	2.0	0.07
7439-89-6	IRON, TOTAL	948			P	1	8.0	0.85
7439-92-1	LEAD, TOTAL	140		N	P	1	0.40	0.14
7439-95-4	MAGNESIUM, TOTAL	2120		N*	P	1	4.0	0.60
7439-96-5	MANGANESE, TOTAL	25.6		N	P	1	0.40	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.1	B	N	P	1	3.2	0.86
7440-09-7	POTASSIUM, TOTAL	20.6	B	N	P	1	80	18.96
7782-49-2	SELENIUM, TOTAL	0.30	U	N	P	1	0.80	0.30
7440-22-4	SILVER, TOTAL	0.06	U	N	P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	331		N	P	1	80	1.52
7440-28-0	THALLIUM, TOTAL	0.33	U	N	P	1	1.2	0.33
7440-31-5	TIN, TOTAL	3.1	B	N	P	1	8.0	0.14
7440-62-2	VANADIUM, TOTAL	6.0		N	P	1	2.0	0.33
7440-66-6	ZINC, TOTAL	24.2		N	P	1	2.0	0.11

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-15S-24-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 74.6 **Lab Sample ID:** WU2523-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	468		N	P	1	32	1.90
7440-36-0	ANTIMONY, TOTAL	1.1		N	P	1	0.85	0.25
7440-38-2	ARSENIC, TOTAL	1.4		N	P	1	0.85	0.32
7440-39-3	BARIUM, TOTAL	18.5		N	P	1	0.53	0.02
7440-41-7	BERYLLIUM, TOTAL	0.12	B	N	P	1	0.53	0.03
7440-43-9	CADMIUM, TOTAL	0.42	U	N	P	1	1.1	0.42
7440-70-2	CALCIUM, TOTAL	310000			P	10	53	22.77
7440-47-3	CHROMIUM, TOTAL	3.4		N	P	1	1.6	0.09
7440-48-4	COBALT, TOTAL	0.46	U	N	P	1	3.2	0.46
7440-50-8	COPPER, TOTAL	7.8		N	P	1	2.7	0.09
7439-89-6	IRON, TOTAL	1830			P	1	11	1.14
7439-92-1	LEAD, TOTAL	58.5		N	P	1	0.53	0.18
7439-95-4	MAGNESIUM, TOTAL	6330		N*	P	1	5.3	0.80
7439-96-5	MANGANESE, TOTAL	17.8		N	P	1	0.53	0.01
7439-97-6	MERCURY, TOTAL	0.11			CV	1	0.038	0.01
7440-02-0	NICKEL, TOTAL	1.15	U	N	P	1	4.2	1.15
7440-09-7	POTASSIUM, TOTAL	60.8	B	N	P	1	110	25.32
7782-49-2	SELENIUM, TOTAL	0.39	U	N	P	1	1.1	0.39
7440-22-4	SILVER, TOTAL	0.07	U	N	P	1	1.6	0.07
7440-23-5	SODIUM, TOTAL	2080		N	P	1	110	2.03
7440-28-0	THALLIUM, TOTAL	0.44	U	N	P	1	1.6	0.44
7440-31-5	TIN, TOTAL	8.6	B	N	P	1	11	0.19
7440-62-2	VANADIUM, TOTAL	2.7		N	P	1	2.7	0.44
7440-66-6	ZINC, TOTAL	36.7		N	P	1	2.7	0.15

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-16S-06-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 91.1 **Lab Sample ID:** WU2523-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	777		N	P	1	28	1.69
7440-36-0	ANTIMONY, TOTAL	0.22	U	N	P	1	0.76	0.22
7440-38-2	ARSENIC, TOTAL	0.61	B	N	P	1	0.76	0.29
7440-39-3	BARIUM, TOTAL	5.7		N	P	1	0.47	0.02
7440-41-7	BERYLLIUM, TOTAL	0.13	B	N	P	1	0.47	0.03
7440-43-9	CADMIUM, TOTAL	0.38	U	N	P	1	0.95	0.38
7440-70-2	CALCIUM, TOTAL	234000			P	10	47	20.26
7440-47-3	CHROMIUM, TOTAL	5.8		N	P	1	1.4	0.08
7440-48-4	COBALT, TOTAL	0.41	U	N	P	1	2.8	0.41
7440-50-8	COPPER, TOTAL	0.82	B	N	P	1	2.4	0.08
7439-89-6	IRON, TOTAL	661			P	1	9.5	1.01
7439-92-1	LEAD, TOTAL	1.8		N	P	1	0.47	0.16
7439-95-4	MAGNESIUM, TOTAL	2110		N*	P	1	4.7	0.71
7439-96-5	MANGANESE, TOTAL	25.6		N	P	1	0.47	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.034	0.01
7440-02-0	NICKEL, TOTAL	1.9	B	N	P	1	3.8	1.02
7440-09-7	POTASSIUM, TOTAL	104		N	P	1	95	22.53
7782-49-2	SELENIUM, TOTAL	0.35	U	N	P	1	0.95	0.35
7440-22-4	SILVER, TOTAL	0.07	U	N	P	1	1.4	0.07
7440-23-5	SODIUM, TOTAL	204		N	P	1	95	1.81
7440-28-0	THALLIUM, TOTAL	0.41	B	N	P	1	1.4	0.39
7440-31-5	TIN, TOTAL	3.0	B	N	P	1	9.5	0.17
7440-62-2	VANADIUM, TOTAL	6.1		N	P	1	2.4	0.39
7440-66-6	ZINC, TOTAL	1.5	B	N	P	1	2.4	0.14

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-16S-12-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 86.1 **Lab Sample ID:** WU2523-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	719		N	P	1	30	1.76
7440-36-0	ANTIMONY, TOTAL	82.0		N	P	1	0.79	0.23
7440-38-2	ARSENIC, TOTAL	3.2		N	P	1	0.79	0.30
7440-39-3	BARIUM, TOTAL	73.2		N	P	1	0.49	0.02
7440-41-7	BERYLLIUM, TOTAL	0.08	B	N	P	1	0.49	0.03
7440-43-9	CADMIUM, TOTAL	7.4		N	P	1	0.98	0.39
7440-70-2	CALCIUM, TOTAL	323000			P	10	49	21.06
7440-47-3	CHROMIUM, TOTAL	57.4		N	P	1	1.5	0.08
7440-48-4	COBALT, TOTAL	1.2	B	N	P	1	3.0	0.43
7440-50-8	COPPER, TOTAL	286		N	P	1	2.5	0.08
7439-89-6	IRON, TOTAL	11600			P	1	9.8	1.05
7439-92-1	LEAD, TOTAL	7840		N	P	20	9.8	3.35
7439-95-4	MAGNESIUM, TOTAL	4230		N*	P	1	4.9	0.74
7439-96-5	MANGANESE, TOTAL	87.0		N	P	1	0.49	0.01
7439-97-6	MERCURY, TOTAL	0.53			CV	1	0.036	0.01
7440-02-0	NICKEL, TOTAL	12.3		N	P	1	3.9	1.06
7440-09-7	POTASSIUM, TOTAL	67.9	B	N	P	1	98	23.43
7782-49-2	SELENIUM, TOTAL	0.37	U	N	P	1	0.98	0.37
7440-22-4	SILVER, TOTAL	0.90	B	N	P	1	1.5	0.07
7440-23-5	SODIUM, TOTAL	1510		N	P	1	98	1.88
7440-28-0	THALLIUM, TOTAL	0.40	U	N	P	1	1.5	0.40
7440-31-5	TIN, TOTAL	23.1		N	P	1	9.8	0.18
7440-62-2	VANADIUM, TOTAL	13.3		N	P	1	2.5	0.41
7440-66-6	ZINC, TOTAL	829		N	P	1	2.5	0.14

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-16S-24-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 78.2 **Lab Sample ID:** WU2523-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	423		N	P	1	27	1.59
7440-36-0	ANTIMONY, TOTAL	1.4		N	P	1	0.71	0.21
7440-38-2	ARSENIC, TOTAL	0.33	B	N	P	1	0.71	0.27
7440-39-3	BARIUM, TOTAL	14.9		N	P	1	0.44	0.02
7440-41-7	BERYLLIUM, TOTAL	0.11	B	N	P	1	0.44	0.02
7440-43-9	CADMIUM, TOTAL	0.35	U	N	P	1	0.89	0.35
7440-70-2	CALCIUM, TOTAL	378000			P	10	44	18.99
7440-47-3	CHROMIUM, TOTAL	2.3		N	P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.39	U	N	P	1	2.7	0.39
7440-50-8	COPPER, TOTAL	3.2		N	P	1	2.2	0.08
7439-89-6	IRON, TOTAL	310			P	1	8.9	0.95
7439-92-1	LEAD, TOTAL	32.4		N	P	1	0.44	0.15
7439-95-4	MAGNESIUM, TOTAL	1500		N*	P	1	4.4	0.67
7439-96-5	MANGANESE, TOTAL	8.3		N	P	1	0.44	0.01
7439-97-6	MERCURY, TOTAL	0.08			CV	1	0.039	0.01
7440-02-0	NICKEL, TOTAL	0.96	U	N	P	1	3.5	0.96
7440-09-7	POTASSIUM, TOTAL	21.12	U	N	P	1	89	21.12
7782-49-2	SELENIUM, TOTAL	0.33	U	N	P	1	0.89	0.33
7440-22-4	SILVER, TOTAL	0.06	U	N	P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	1660		N	P	1	89	1.70
7440-28-0	THALLIUM, TOTAL	0.36	U	N	P	1	1.3	0.36
7440-31-5	TIN, TOTAL	2.8	B	N	P	1	8.9	0.16
7440-62-2	VANADIUM, TOTAL	0.97	B	N	P	1	2.2	0.37
7440-66-6	ZINC, TOTAL	19.7		N	P	1	2.2	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-DUP08-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 79.3 **Lab Sample ID:** WU2523-016

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	763		N	P	1	26	1.56
7440-36-0	ANTIMONY, TOTAL	0.20	U	N	P	1	0.70	0.20
7440-38-2	ARSENIC, TOTAL	0.84		N	P	1	0.70	0.26
7440-39-3	BARIUM, TOTAL	5.6		N	P	1	0.43	0.01
7440-41-7	BERYLLIUM, TOTAL	0.16	B	N	P	1	0.43	0.02
7440-43-9	CADMIUM, TOTAL	0.35	U	N	P	1	0.87	0.35
7440-70-2	CALCIUM, TOTAL	215000			P	10	43	18.60
7440-47-3	CHROMIUM, TOTAL	6.0		N	P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.38	U	N	P	1	2.6	0.38
7440-50-8	COPPER, TOTAL	0.68	B	N	P	1	2.2	0.07
7439-89-6	IRON, TOTAL	650			P	1	8.7	0.93
7439-92-1	LEAD, TOTAL	2.4		N	P	1	0.43	0.15
7439-95-4	MAGNESIUM, TOTAL	1950		N*	P	1	4.3	0.65
7439-96-5	MANGANESE, TOTAL	24.5		N	P	1	0.43	0.01
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.038	0.01
7440-02-0	NICKEL, TOTAL	0.94	U	N	P	1	3.5	0.94
7440-09-7	POTASSIUM, TOTAL	98.3		N	P	1	87	20.69
7782-49-2	SELENIUM, TOTAL	0.32	U	N	P	1	0.87	0.32
7440-22-4	SILVER, TOTAL	0.06	U	N	P	1	1.3	0.06
7440-23-5	SODIUM, TOTAL	245		N	P	1	87	1.66
7440-28-0	THALLIUM, TOTAL	0.36	U	N	P	1	1.3	0.36
7440-31-5	TIN, TOTAL	2.5	B	N	P	1	8.7	0.16
7440-62-2	VANADIUM, TOTAL	5.6		N	P	1	2.2	0.36
7440-66-6	ZINC, TOTAL	1.7	B	N	P	1	2.2	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-DUP09-0804

Matrix: SOIL **SDG Name:** WU2523

Percent Solids: 89.4 **Lab Sample ID:** WU2523-017

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	119		N	P	1	27	1.63
7440-36-0	ANTIMONY, TOTAL	0.30	B	N	P	1	0.73	0.21
7440-38-2	ARSENIC, TOTAL	0.37	B	N	P	1	0.73	0.28
7440-39-3	BARIUM, TOTAL	7.0		N	P	1	0.45	0.02
7440-41-7	BERYLLIUM, TOTAL	0.12	B	N	P	1	0.45	0.02
7440-43-9	CADMIUM, TOTAL	0.36	U	N	P	1	0.91	0.36
7440-70-2	CALCIUM, TOTAL	274000			P	10	45	19.47
7440-47-3	CHROMIUM, TOTAL	1.7		N	P	1	1.4	0.07
7440-48-4	COBALT, TOTAL	0.40	U	N	P	1	2.7	0.40
7440-50-8	COPPER, TOTAL	0.96	B	N	P	1	2.3	0.08
7439-89-6	IRON, TOTAL	140			P	1	9.1	0.97
7439-92-1	LEAD, TOTAL	9.2		N	P	1	0.45	0.15
7439-95-4	MAGNESIUM, TOTAL	946		N*	P	1	4.5	0.68
7439-96-5	MANGANESE, TOTAL	2.5		N	P	1	0.45	0.01
7439-97-6	MERCURY, TOTAL	0.02	B		CV	1	0.033	0.01
7440-02-0	NICKEL, TOTAL	0.98	U	N	P	1	3.6	0.98
7440-09-7	POTASSIUM, TOTAL	40.9	B	N	P	1	91	21.65
7782-49-2	SELENIUM, TOTAL	0.34	U	N	P	1	0.91	0.34
7440-22-4	SILVER, TOTAL	0.06	U	N	P	1	1.4	0.06
7440-23-5	SODIUM, TOTAL	1000		N	P	1	91	1.74
7440-28-0	THALLIUM, TOTAL	0.37	U	N	P	1	1.4	0.37
7440-31-5	TIN, TOTAL	2.5	B	N	P	1	9.1	0.16
7440-62-2	VANADIUM, TOTAL	1.9	B	N	P	1	2.3	0.38
7440-66-6	ZINC, TOTAL	3.7		N	P	1	2.3	0.13

Color Before: N/A Texture: 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
Pittsburgh,PA 15220

Lab Sample ID: WU2523-10
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-13S-06-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	89. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

Katahdin
ANALYTICAL SERVICES

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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-11
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943·
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-13S-12-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	88. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-12
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943·
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-13S-24-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	82. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-13
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-13W-06-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	88. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-14
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943·
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-13W-12-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	80. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-15
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-13W-24-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	90. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-7
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-14S-06-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	78. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-8
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-14S-12-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	78. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-9
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-14S-24-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	76. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-4
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-15S-06-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-5
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-15S-12-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	90. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-6
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-15S-24-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	74. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-1
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-16S-06-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	91. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-2
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-16S-12-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	86. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-3
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943-
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-16S-24-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	78. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-16
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-DUP08-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	79. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

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Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2523-17
Report Date: 23-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2523

Sample Description	Matrix	Date Sampled	Date Received
C03V-DUP09-0804	SL	16-AUG-04	17-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	89. %	.1	CLP SOW 788	WG9366	23-AUG-04	JF	CLP SOW 788	19-AUG-04	JF	

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG WU2523

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-16S-06-0804	WU2523-001	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13S-06-0804	WU2523-010	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-DUP09-0804	WU2523-017	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-DUP08-0804	WU2523-016	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-16S-12-0804	WU2523-002	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-15S-24-0804	WU2523-006	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-15S-12-0804	WU2523-005	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-15S-06-0804	WU2523-004	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13S-24-0804	WU2523-012	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-14S-12-0804	WU2523-008	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-14S-06-0804	WU2523-007	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13W-24-0804	WU2523-015	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13W-12-0804	WU2523-014	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13W-06-0804	WU2523-013	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-14S-24-0804	WU2523-009	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-16S-24-0804	WU2523-003	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
HG	MG/KG	C03V-13S-12-0804	WU2523-011	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
M	MG/KG	C03V-15S-06-0804	WU2523-004	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-15S-06-0804	WU2523-004	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-15S-06-0804	WU2523-004	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
M	MG/KG	C03V-14S-24-0804	WU2523-009	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-14S-24-0804	WU2523-009	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-14S-24-0804	WU2523-009	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-14S-12-0804	WU2523-008	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-15S-12-0804	WU2523-005	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
M	MG/KG	C03V-16S-12-0804	WU2523-002	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
M	MG/KG	C03V-14S-12-0804	WU2523-008	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-15S-12-0804	WU2523-005	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-15S-12-0804	WU2523-005	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-15S-24-0804	WU2523-006	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-15S-24-0804	WU2523-006	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-15S-24-0804	WU2523-006	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-16S-06-0804	WU2523-001	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-14S-12-0804	WU2523-008	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-16S-06-0804	WU2523-001	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-13W-06-0804	WU2523-013	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-16S-12-0804	WU2523-002	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-16S-06-0804	WU2523-001	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13W-06-0804	WU2523-013	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13S-06-0804	WU2523-010	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-13S-06-0804	WU2523-010	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13S-06-0804	WU2523-010	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-13S-12-0804	WU2523-011	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-13S-12-0804	WU2523-011	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13S-12-0804	WU2523-011	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-13S-24-0804	WU2523-012	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-13S-24-0804	WU2523-012	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13W-12-0804	WU2523-014	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13W-06-0804	WU2523-013	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-14S-06-0804	WU2523-007	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-13W-06-0804	WU2523-013	NM	08/16/2004	08/19/2004	08/25/2004	3	6	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-16S-24-0804	WU2523-003	NM	08/16/2004	08/19/2004	08/20/2004	3	1	4
M	MG/KG	C03V-13W-12-0804	WU2523-014	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-13W-12-0804	WU2523-014	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-13W-24-0804	WU2523-015	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-13W-24-0804	WU2523-015	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13W-24-0804	WU2523-015	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-14S-06-0804	WU2523-007	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-14S-06-0804	WU2523-007	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-13S-24-0804	WU2523-012	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-DUP09-0804	WU2523-017	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-16S-12-0804	WU2523-002	NM	08/16/2004	08/19/2004	08/24/2004	3	5	8
M	MG/KG	C03V-DUP09-0804	WU2523-017	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-DUP09-0804	WU2523-017	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-DUP08-0804	WU2523-016	NM	08/16/2004	08/19/2004	08/31/2004	3	12	15
M	MG/KG	C03V-DUP08-0804	WU2523-016	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
M	MG/KG	C03V-DUP08-0804	WU2523-016	NM	08/16/2004	08/19/2004	08/21/2004	3	2	5
M	MG/KG	C03V-16S-24-0804	WU2523-003	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
M	MG/KG	C03V-16S-24-0804	WU2523-003	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03V-16S-12-0804	WU2523-002	NM	08/16/2004	08/19/2004	08/30/2004	3	11	14
TS	%	C03V-13W-12-0804	WU2523-14	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-15S-06-0804	WU2523-4	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-16S-12-0804	WU2523-2	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-13S-06-0804	WU2523-10	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-16S-24-0804	WU2523-3	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-16S-06-0804	WU2523-1	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-15S-24-0804	WU2523-6	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-15S-12-0804	WU2523-5	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-14S-24-0804	WU2523-9	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-14S-12-0804	WU2523-8	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-DUP08-0804	WU2523-16	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-13W-24-0804	WU2523-15	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-13W-06-0804	WU2523-13	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-13S-24-0804	WU2523-12	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-13S-12-0804	WU2523-11	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-DUP09-0804	WU2523-17	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7
TS	%	C03V-14S-06-0804	WU2523-7	NM	08/16/2004	08/19/2004	08/23/2004	3	4	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-15S-24-0804	WU2523-6	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-14S-24-0804	WU2523-9	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-13S-06-0804	WU2523-10	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-13S-12-0804	WU2523-11	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-13S-24-0804	WU2523-12	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-13W-06-0804	WU2523-13	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-13W-12-0804	WU2523-14	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	%	C03V-13W-24-0804	WU2523-15	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	%	C03V-16S-12-0804	WU2523-2DL	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	%	C03V-14S-12-0804	WU2523-8	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-DUP09-0804	WU2523-17	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	%	C03V-15S-06-0804	WU2523-4	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-15S-12-0804	WU2523-5	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-16S-06-0804	WU2523-1	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-16S-24-0804	WU2523-3	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	%	C03V-DUP08-0804	WU2523-16	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	%	C03V-14S-06-0804	WU2523-7	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13S-24-0804	WU2523-12	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	C03V-15S-06-0804	WU2523-4	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13S-06-0804	WU2523-10	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13S-12-0804	WU2523-11	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13W-06-0804	WU2523-13	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13W-24-0804	WU2523-15	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	UG/KG	C03V-14S-06-0804	WU2523-7	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-13W-12-0804	WU2523-14	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	UG/KG	C03V-14S-24-0804	WU2523-9	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-DUP09-0804	WU2523-17	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	UG/KG	C03V-15S-12-0804	WU2523-5	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-15S-24-0804	WU2523-6	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-16S-06-0804	WU2523-1	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-16S-12-0804	WU2523-2DL	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	UG/KG	C03V-16S-24-0804	WU2523-3	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7
PCB	UG/KG	C03V-DUP08-0804	WU2523-16	NM	08/16/2004	08/18/2004	08/24/2004	2	6	8
PCB	UG/KG	C03V-14S-12-0804	WU2523-8	NM	08/16/2004	08/18/2004	08/23/2004	2	5	7

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Client: Tetra Tech NUS | Contact: Chuck Bryan | Phone #: (803) 649-7963 | Fax #: (803) 642-8454

Address: 900 Trail Ridge Road | City: Aiken | State: SC | Zip Code: 29803

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): Shonda C. Sumpter | Copies To:

LAB USE ONLY | WORK ORDER #: WM2523

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	TAL Metals (Filt. ☐Y ☐N)	TCL PCB (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
	C03V-16S-06-0804	16 Aug 04 / 1443	SO	1	X	X								
	C03V-16S-12-0804	/ 1444			✓	✓								
	C03V-16S-24-0804	/ 1446			✓	✓								
	C03V-15S-06-0804	/ 1448			✓	✓								
	C03V-15S-12-0804	/ 1449			✓	✓								
	C03V-15S-24-0804	/ 1450			✓	✓								
	C03V-14S-06-0804	/ 1524			✓	✓								
	C03V-14S-12-0804	/ 1525			✓	✓								
	C03V-14S-24-0804	/ 1526			✓	✓								
	C03V-13S-06-0804	/ 1452			✓	✓								
	C03V-13S-12-0804	/ 1453			✓	✓								
	C03V-13S-24-0804	/ 1454			✓	✓								
	C03V-13W-06-0804	/ 1512	SO	3	X ✓	X								
	C03V-13W-12-0804	/ 1518	SO	1	X ✓	X								
	C03V-13W-24-0804	/ 1519	SO	1	X ✓	X								
		/												

COMMENTS: 7 day turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	16 Aug 04 1638	[signature]	8/17/04 0910		
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.

0806007

ORIGINAL

KAS-COC1

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS | Contact: Chack Bryan | Phone #: (803) 649-7963 | Fax #: (803) 642-8454

Address: 900 Trail Ridge Road | City: Aiken | State: SC | Zip Code: 29803

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): Shonda C. Sumpter Shonda C. Sumpter | Copies To:

LAB USE ONLY WORK ORDER #: WM2523

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL Metals	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-DUP08-0804	16 Aug 04 / —	SO	1	X	X								
	C03V-DUP09-0804	16 Aug 04 / —	SO	1	X	X								
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COMMENTS

7 day turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Shonda C. Sumpter	16 Aug 04 / 1638	[signature]			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

8/17/04 0910

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

00000008

ORIGINAL

KAS-COC1

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2523

Sample Receipt

The following samples were received on August 17, 2004 and were logged in under Katahdin Analytical Services work order number WU2523 for a hardcopy due date of September 12, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2523-1	C03V-16S-06-0804
WU2523-2	C03V-16S-12-0804
WU2523-3	C03V-16S-24-0804
WU2523-4	C03V-15S-06-0804
WU2523-5	C03V-15S-12-0804
WU2523-6	C03V-15S-24-0804
WU2523-7	C03V-14S-06-0804
WU2523-8	C03V-14S-12-0804
WU2523-9	C03V-14S-24-0804
WU2523-10	C03V-13S-06-0804
WU2523-11	C03V-13S-12-0804
WU2523-12	C03V-13S-24-0804
WU2523-13	C03V-13W-06-0804
WU2523-14	C03V-13W-12-0804
WU2523-15	C03V-13W-24-0804
WU2523-16	C03V-DUP08-0804
WU2523-17	C03V-DUP09-0804

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 Analysis

The samples of Work Order WU2523 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition,

1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

The method blank, WG9286-1, had a high recovery for the extraction surrogate TCX on channel A, which was outside of the laboratory established acceptance limits. Since the recoveries for TCX was within the acceptance limits on channel B and DCB on both channels, the sample was not reanalyzed.

Sample WU2523-1 had low recoveries for the extraction surrogates TCX, on both channels, and DCB on channel B, which were outside of the laboratory established acceptance limits. Since the recovery for DCB was within the acceptance limits on channel A, the sample was not reanalyzed.

Sample WU2523-3 had low recoveries for the extraction surrogate DCB on both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for other surrogate, TCX, were within the acceptance limits on both channels, the sample was not reanalyzed.

Samples WU2523-7, 8, 10 and 13 through 16 had low recoveries for the extraction surrogate TCX on both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for other surrogate, DCB, were within the acceptance limits on both channels, the samples were not reanalyzed.

Samples WU2523-4 through 6, 9, 11, 12 and 17 had low recoveries for the extraction surrogates TCX and DCB, which were outside of the laboratory established acceptance limits. The client was notified and informed the laboratory to proceed and narrate.

The closing calibration verification standard (CV) (file 6UH3172) had high responses for Aroclor 1016 and Aroclor 1260 on channel A, which resulted in %D's that were above the method acceptance limit of 15%. Since the responses on channel B were acceptable, the associated samples were not reanalyzed.

The matrix spike duplicate, WG9286-4, had a high recovery for the spiked analyte Aroclor 1260, which was outside of the laboratory established acceptance limits. Since the matrix spike sample, WG9286-3, as well as the associated LCS had acceptable recoveries, the associated samples were not reanalyzed. The matrix spike duplicates had an RPD for Aroclor 1260 above the laboratory acceptance limit.

Sample WU2523-5 contained both Aroclor 1254 and Aroclor 1260. Some of the peaks from Aroclor 1260 coelute with peaks from Aroclor 1254. Due to software limitations, these coeluted peaks could not be deleted. Consequently, the concentration of Aroclor 1254 may be biased high.

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

Metals Analysis

The samples of Katahdin Work Order WU2523 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. WU2523-(1-17) were digested for ICP analysis on 08/19/04 (QC Batch UH19ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. WU2523-13 was prepared with duplicate matrix-spiked aliquots. The measured calcium concentration (0.0703 mg/L, corresponding to a dry-weight concentration of 7.03 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of Work Order WU2523 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61E ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

The ICSAB analyzed at 14:02 in run ID AUH31A did not have the correct sample in the autosampler cup. The cup was removed and the correct ICSAB was placed in the position and analyzed immediately after at 14:09.

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)

Soil-matrix Katahdin Sample Nos. WU2523-(1-17) were digested for mercury analysis on 08/19/04 (QC Batch UH19HGS0) in accordance with USEPA Method 7471A.

Mercury analyses of Katahdin Work Order WU2523 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for most metals in the matrix-spike aliquots of Katahdin Sample No. WU2523-13 are outside the laboratory's acceptance limits.

The matrix-spike duplicate analysis of Katahdin Sample No. WU2523-13 for magnesium (30.7% RPD) exceeds the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample No. WU2523-13 meets 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 metals.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

Wet Chemistry Analysis

The samples of Katahdin Work Order WU2523 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

Maria Crouch
09.02.04
Maria Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WU2523 **SOW No.** SW846

Client Field ID	Lab Sample ID
C03V-13S-06-0804	WU2523-010
C03V-13S-12-0804	WU2523-011
C03V-13S-24-0804	WU2523-012
C03V-13W-06-0804	WU2523-013
C03V-13W-06-0804	WU2523-013P
C03V-13W-06-0804	WU2523-013S
C03V-13W-12-0804	WU2523-014
C03V-13W-24-0804	WU2523-015
C03V-14S-06-0804	WU2523-007
C03V-14S-12-0804	WU2523-008
C03V-14S-24-0804	WU2523-009
C03V-15S-06-0804	WU2523-004
C03V-15S-12-0804	WU2523-005
C03V-15S-24-0804	WU2523-006
C03V-16S-06-0804	WU2523-001
C03V-16S-12-0804	WU2523-002
C03V-16S-24-0804	WU2523-003
C03V-DUP08-0804	WU2523-016
C03V-DUP09-0804	WU2523-017

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: Deborah J. Nadeau Name: Deborah J. Nadeau

Date: 9.2.04 Title: Lab Operations Manager

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: ICV

File: AUH20A Aug 20, 2004 17:23

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18301.91	91.5
ANTIMONY	600.0	577.14	96.2
BARIUM	500.0	469.79	94.0
CALCIUM	20000.0	20120.64	100.6
CHROMIUM	500.0	486.50	97.3
COPPER	500.0	468.08	93.6
IRON	20000.0	19539.02	97.7
MAGNESIUM	20000.0	20244.08	101.2
MANGANESE	500.0	482.91	96.6
SILVER	200.0	187.64	93.8

SAMPLE: CCV

File: AUH20A Aug 20, 2004 18:03

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47443.69	94.9
ANTIMONY	1000.0	990.63	99.1
BARIUM	1000.0	985.56	98.6
CALCIUM	50000.0	50335.52	100.7
CHROMIUM	1000.0	970.30	97.0
COPPER	1000.0	955.18	95.5
IRON	20000.0	19490.70	97.5
MAGNESIUM	50000.0	49927.68	99.9
MANGANESE	1000.0	961.72	96.2
SILVER	250.0	242.08	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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: AUH20A Aug 20, 2004 19:29

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	46442.11	92.9
ANTIMONY	1000.0	1065.45	106.5
BARIUM	1000.0	951.67	95.2
CALCIUM	50000.0	53627.72	107.3
CHROMIUM	1000.0	1015.04	101.5
COPPER	1000.0	961.34	96.1
IRON	20000.0	20772.16	103.9
MAGNESIUM	50000.0	51317.59	102.6
MANGANESE	1000.0	994.01	99.4
SILVER	250.0	251.16	100.5

SAMPLE: CCV

File: AUH20A Aug 20, 2004 20:51

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	45567.03	91.1
ANTIMONY	1000.0	1057.69	105.8
BARIUM	1000.0	938.57	93.9
CALCIUM	50000.0	53584.18	107.2
CHROMIUM	1000.0	1003.14	100.3
COPPER	1000.0	944.04	94.4
IRON	20000.0	20660.57	103.3
MAGNESIUM	50000.0	50807.07	101.6
MANGANESE	1000.0	981.35	98.1
SILVER	250.0	249.00	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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: AUH20A Aug 20, 2004 22:12

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	44526.02	89.1 *
ANTIMONY	1000.0	1082.85	108.3
BARIUM	1000.0	924.77	92.5
CALCIUM	50000.0	55876.30	111.8 *
CHROMIUM	1000.0	1028.12	102.8
COPPER	1000.0	938.06	93.8
IRON	20000.0	21364.35	106.8
MAGNESIUM	50000.0	51548.59	103.1
MANGANESE	1000.0	1003.80	100.4
SILVER	250.0	250.22	100.1

SAMPLE: CCV

File: AUH20A Aug 20, 2004 23:34

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	43676.13	87.4 *
ANTIMONY	1000.0	1098.80	109.9
BARIUM	1000.0	913.34	91.3
CALCIUM	50000.0	55097.93	110.2
CHROMIUM	1000.0	1008.86	100.9
COPPER	1000.0	935.90	93.6
IRON	20000.0	21168.57	105.8
MAGNESIUM	50000.0	51063.46	102.1
MANGANESE	1000.0	989.44	98.9
SILVER	250.0	251.61	100.6

(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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: AUH20A Aug 21, 2004 0:55

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	42475.52	85.0 *
ANTIMONY	1000.0	1127.48	112.7 *
BARIUM	1000.0	897.20	89.7
CALCIUM	50000.0	56648.16	113.3 *
CHROMIUM	1000.0	1020.70	102.1
COPPER	1000.0	928.56	92.9
IRON	20000.0	21597.92	108.0
MAGNESIUM	50000.0	51480.34	103.0
MANGANESE	1000.0	1001.73	100.2
SILVER	250.0	252.55	101.0

SAMPLE: CCV

File: AUH20A Aug 21, 2004 2:16

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	42429.40	84.9 *
ANTIMONY	1000.0	1166.13	116.6 *
BARIUM	1000.0	905.35	90.5
CALCIUM	50000.0	57916.58	115.8 *
CHROMIUM	1000.0	1034.90	103.5
COPPER	1000.0	942.94	94.3
IRON	20000.0	21958.77	109.8
MAGNESIUM	50000.0	52251.17	104.5
MANGANESE	1000.0	1018.23	101.8
SILVER	250.0	257.01	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:** WU2523

Concentration Units: ug/L

SAMPLE: ICV

File: AUH30A Aug 30, 2004 12:04

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18643.44	93.2
ANTIMONY	600.0	584.50	97.4
ARSENIC	600.0	603.61	100.6
CALCIUM	20000.0	20639.57	103.2
IRON	20000.0	20414.44	102.1
LEAD	550.0	557.46	101.4
MAGNESIUM	20000.0	21039.86	105.2
SELENIUM	550.0	529.44	96.3
THALLIUM	600.0	603.99	100.7
TIN	500.0	501.11	100.2

SAMPLE: CCV

File: AUH30A Aug 30, 2004 12:46

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	46869.81	93.7
ANTIMONY	1000.0	1003.74	100.4
ARSENIC	1000.0	1007.38	100.7
CALCIUM	50000.0	49782.24	99.6
IRON	20000.0	19658.10	98.3
LEAD	1000.0	986.08	98.6
MAGNESIUM	50000.0	49731.71	99.5
SELENIUM	1000.0	1019.35	101.9
THALLIUM	1000.0	1009.78	101.0
TIN	1000.0	1007.38	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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: AUH30A Aug 30, 2004 13:47

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	46558.33	93.1
ANTIMONY	1000.0	1025.55	102.6
ARSENIC	1000.0	1036.68	103.7
CALCIUM	50000.0	50381.79	100.8
IRON	20000.0	19883.30	99.4
LEAD	1000.0	1008.45	100.8
MAGNESIUM	50000.0	50132.70	100.3
SELENIUM	1000.0	1033.94	103.4
THALLIUM	1000.0	1028.22	102.8
TIN	1000.0	1036.76	103.7

SAMPLE: CCV

File: AUH30A Aug 30, 2004 14:47

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	46025.21	92.1
ANTIMONY	1000.0	1033.53	103.4
ARSENIC	1000.0	1049.05	104.9
CALCIUM	50000.0	50575.20	101.2
IRON	20000.0	19957.35	99.8
LEAD	1000.0	1019.83	102.0
MAGNESIUM	50000.0	50290.72	100.6
SELENIUM	1000.0	1041.05	104.1
THALLIUM	1000.0	1043.68	104.4
TIN	1000.0	1052.16	105.2

(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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: AUH30A Aug 30, 2004 16:08

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	45293.84	90.6
ANTIMONY	1000.0	1068.86	106.9
ARSENIC	1000.0	1097.31	109.7
CALCIUM	50000.0	51620.14	103.2
IRON	20000.0	20392.49	102.0
LEAD	1000.0	1067.67	106.8
MAGNESIUM	50000.0	51052.34	102.1
SELENIUM	1000.0	1085.93	108.6
THALLIUM	1000.0	1072.25	107.2
TIN	1000.0	1102.01	110.2

SAMPLE: CCV

File: AUH30A Aug 30, 2004 16:45

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	44778.69	89.6
ANTIMONY	1000.0	1070.29	107.0
ARSENIC	1000.0	1101.33	110.1
CALCIUM	50000.0	51605.19	103.2
IRON	20000.0	20452.61	102.3
LEAD	1000.0	1071.82	107.2
MAGNESIUM	50000.0	50880.26	101.8
SELENIUM	1000.0	1084.29	108.4
THALLIUM	1000.0	1080.04	108.0
TIN	1000.0	1106.05	110.6 *

(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:** WU2523

Concentration Units: ug/L

SAMPLE: ICV

File: AUH31A Aug 31, 2004 13:10

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19096.50	95.5
ANTIMONY	600.0	584.25	97.4
ARSENIC	600.0	611.85	102.0
CALCIUM	20000.0	20902.66	104.5
IRON	20000.0	20403.65	102.0
LEAD	550.0	572.91	104.2
MAGNESIUM	20000.0	20922.17	104.6
SELENIUM	550.0	542.60	98.7
THALLIUM	600.0	608.14	101.4
TIN	500.0	517.59	103.5

SAMPLE: CCV

File: AUH31A Aug 31, 2004 14:18

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48200.61	96.4
ANTIMONY	1000.0	1012.77	101.3
ARSENIC	1000.0	1016.52	101.7
CALCIUM	50000.0	51174.38	102.3
IRON	20000.0	20122.68	100.6
LEAD	1000.0	1022.76	102.3
MAGNESIUM	50000.0	51175.04	102.4
SELENIUM	1000.0	1013.63	101.4
THALLIUM	1000.0	1017.60	101.8
TIN	1000.0	1026.96	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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: AUH31A Aug 31, 2004 15:38

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48026.24	96.1
ANTIMONY	1000.0	1002.28	100.2
ARSENIC	1000.0	1012.18	101.2
CALCIUM	50000.0	51200.28	102.4
IRON	20000.0	20118.99	100.6
LEAD	1000.0	1022.69	102.3
MAGNESIUM	50000.0	51352.03	102.7
SELENIUM	1000.0	1010.19	101.0
THALLIUM	1000.0	1008.24	100.8
TIN	1000.0	1024.46	102.4

SAMPLE: CCV

File: AUH31A Aug 31, 2004 16:58

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48176.33	96.4
ANTIMONY	1000.0	984.37	98.4
ARSENIC	1000.0	989.01	98.9
CALCIUM	50000.0	51005.19	102.0
IRON	20000.0	19939.53	99.7
LEAD	1000.0	1002.87	100.3
MAGNESIUM	50000.0	51205.15	102.4
SELENIUM	1000.0	991.21	99.1
THALLIUM	1000.0	998.01	99.8
TIN	1000.0	999.88	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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: AUH31A Aug 31, 2004 18:23

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48856.71	97.7
ANTIMONY	1000.0	973.98	97.4
ARSENIC	1000.0	978.90	97.9
CALCIUM	50000.0	51346.54	102.7
IRON	20000.0	20000.42	100.0
LEAD	1000.0	988.47	98.8
MAGNESIUM	50000.0	51457.32	102.9
SELENIUM	1000.0	982.52	98.3
THALLIUM	1000.0	991.87	99.2
TIN	1000.0	993.71	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:** WU2523

Concentration Units: ug/L

SAMPLE: ICV

File: BUH23A Aug 23, 2004 15:00

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19996.28	100.0
BERYLLIUM	500.0	502.71	100.5
CADMIUM	1250.0	1192.90	95.4
CALCIUM	20000.0	20033.36	100.2
COBALT	500.0	493.71	98.7
IRON	20000.0	20799.88	104.0
MAGNESIUM	20000.0	19696.42	98.5
NICKEL	1000.0	999.49	99.9
POTASSIUM	20000.0	19733.41	98.7
SODIUM	20000.0	20592.54	103.0
VANADIUM	500.0	505.45	101.1
ZINC	1000.0	974.62	97.5

SAMPLE: CCV

File: BUH23A Aug 23, 2004 15:34

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48664.56	97.3
BERYLLIUM	1000.0	1005.93	100.6
CADMIUM	1000.0	985.31	98.5
CALCIUM	50000.0	49897.85	99.8
COBALT	1000.0	1008.99	100.9
IRON	20000.0	20119.95	100.6
MAGNESIUM	50000.0	48886.46	97.8
NICKEL	1000.0	1009.43	100.9
POTASSIUM	50000.0	48658.28	97.3
SODIUM	50000.0	49168.49	98.3
VANADIUM	1000.0	994.28	99.4
ZINC	1000.0	992.14	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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: BUH23A Aug 23, 2004 16:41

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49112.77	98.2
BERYLLIUM	1000.0	1013.36	101.3
CADMIUM	1000.0	1003.49	100.3
CALCIUM	50000.0	50558.19	101.1
COBALT	1000.0	1016.65	101.7
IRON	20000.0	20293.60	101.5
MAGNESIUM	50000.0	49410.33	98.8
NICKEL	1000.0	1021.83	102.2
POTASSIUM	50000.0	48856.66	97.7
SODIUM	50000.0	49009.15	98.0
VANADIUM	1000.0	1004.25	100.4
ZINC	1000.0	1005.06	100.5

SAMPLE: CCV

File: BUH23A Aug 23, 2004 17:49

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50139.73	100.3
BERYLLIUM	1000.0	983.52	98.4
CADMIUM	1000.0	964.49	96.4
CALCIUM	50000.0	45071.09	90.1
COBALT	1000.0	946.31	94.6
IRON	20000.0	19373.34	96.9
MAGNESIUM	50000.0	49072.69	98.1
NICKEL	1000.0	951.34	95.1
POTASSIUM	50000.0	50942.86	101.9
SODIUM	50000.0	52065.65	104.1
VANADIUM	1000.0	968.41	96.8
ZINC	1000.0	969.32	96.9

(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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: BUH23A Aug 23, 2004 18:58

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48869.91	97.7
BERYLLIUM	1000.0	998.08	99.8
CADMIUM	1000.0	949.63	95.0
CALCIUM	50000.0	45786.13	91.6
COBALT	1000.0	956.19	95.6
IRON	20000.0	19474.96	97.4
MAGNESIUM	50000.0	48215.35	96.4
NICKEL	1000.0	971.33	97.1
POTASSIUM	50000.0	50591.30	101.2
SODIUM	50000.0	51623.24	103.2
VANADIUM	1000.0	979.72	98.0
ZINC	1000.0	962.51	96.3

SAMPLE: CCV

File: BUH23A Aug 23, 2004 20:06

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49107.32	98.2
BERYLLIUM	1000.0	1019.85	102.0
CADMIUM	1000.0	977.16	97.7
CALCIUM	50000.0	47196.80	94.4
COBALT	1000.0	988.14	98.8
IRON	20000.0	19897.92	99.5
MAGNESIUM	50000.0	48760.00	97.5
NICKEL	1000.0	994.42	99.4
POTASSIUM	50000.0	50361.41	100.7
SODIUM	50000.0	51044.29	102.1
VANADIUM	1000.0	999.34	99.9
ZINC	1000.0	982.88	98.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: BUH23A Aug 23, 2004 21:13

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48878.05	97.8
BERYLLIUM	1000.0	1034.79	103.5
CADMIUM	1000.0	986.43	98.6
CALCIUM	50000.0	48829.49	97.7
COBALT	1000.0	1013.51	101.4
IRON	20000.0	20211.65	101.1
MAGNESIUM	50000.0	49189.47	98.4
NICKEL	1000.0	1019.82	102.0
POTASSIUM	50000.0	48792.19	97.6
SODIUM	50000.0	48291.38	96.6
VANADIUM	1000.0	1011.92	101.2
ZINC	1000.0	999.61	100.0

SAMPLE: CCV

File: BUH23A Aug 23, 2004 22:21

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48350.60	96.7
BERYLLIUM	1000.0	1016.10	101.6
CADMIUM	1000.0	966.59	96.7
CALCIUM	50000.0	47825.69	95.7
COBALT	1000.0	980.96	98.1
IRON	20000.0	19753.67	98.8
MAGNESIUM	50000.0	48316.36	96.6
NICKEL	1000.0	995.15	99.5
POTASSIUM	50000.0	48481.56	97.0
SODIUM	50000.0	48461.91	96.9
VANADIUM	1000.0	991.60	99.2
ZINC	1000.0	980.12	98.0

(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:** WU2523

Concentration Units: ug/L

SAMPLE: ICV

File: BUH24A Aug 24, 2004 16:02

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19860.76	99.3
CALCIUM	20000.0	20262.81	101.3
IRON	20000.0	20820.22	104.1
MAGNESIUM	20000.0	19715.91	98.6

SAMPLE: CCV

File: BUH24A Aug 24, 2004 16:35

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48786.99	97.6
CALCIUM	50000.0	48237.56	96.5
IRON	20000.0	19710.00	98.6
MAGNESIUM	50000.0	48442.63	96.9

(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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: BUH24A Aug 24, 2004 17:07

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49799.54	99.6
CALCIUM	50000.0	48932.96	97.9
IRON	20000.0	20025.03	100.1
MAGNESIUM	50000.0	49273.98	98.5

SAMPLE: CCV

File: BUH24A Aug 24, 2004 18:14

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49413.07	98.8
CALCIUM	50000.0	46546.82	93.1
IRON	20000.0	19741.86	98.7
MAGNESIUM	50000.0	48792.68	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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: BUH24A Aug 24, 2004 19:22

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49476.60	99.0
CALCIUM	50000.0	46447.32	92.9
IRON	20000.0	19812.96	99.1
MAGNESIUM	50000.0	48695.85	97.4

SAMPLE: CCV

File: BUH24A Aug 24, 2004 20:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49691.67	99.4
CALCIUM	50000.0	48131.54	96.3
IRON	20000.0	20196.36	101.0
MAGNESIUM	50000.0	49340.40	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:** WU2523

Concentration Units: ug/L

SAMPLE: ICV

File: BUH25A Aug 25, 2004 15:26

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19826.35	99.1
CALCIUM	20000.0	19806.88	99.0
IRON	20000.0	20565.52	102.8
MAGNESIUM	20000.0	19598.18	98.0

SAMPLE: CCV

File: BUH25A Aug 25, 2004 16:00

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49044.66	98.1
CALCIUM	50000.0	48261.45	96.5
IRON	20000.0	19744.21	98.7
MAGNESIUM	50000.0	48614.37	97.2

(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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: BUH25A Aug 25, 2004 17:08

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49702.03	99.4
CALCIUM	50000.0	47944.54	95.9
IRON	20000.0	19726.89	98.6
MAGNESIUM	50000.0	48765.76	97.5

SAMPLE: CCV

File: BUH25A Aug 25, 2004 18:18

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49459.68	98.9
CALCIUM	50000.0	48235.82	96.5
IRON	20000.0	19844.71	99.2
MAGNESIUM	50000.0	48865.02	97.7

(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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: BUH25A Aug 25, 2004 19:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49395.27	98.8
CALCIUM	50000.0	48338.92	96.7
IRON	20000.0	19908.82	99.5
MAGNESIUM	50000.0	48896.10	97.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: ICV

File: HUH20B Aug 20, 2004 11:06

Analyte	True	Found	%R (1)
MERCURY	6.0	5.98	99.7

SAMPLE: CCV

File: HUH20B Aug 20, 2004 11:31

Analyte	True	Found	%R (1)
MERCURY	5.0	5.41	108.2

(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:** WU2523

Concentration Units: ug/L

SAMPLE: CCV

File: HUH20B Aug 20, 2004 11:57

Analyte	True	Found	%R (1)
MERCURY	5.0	5.25	105.0

SAMPLE: CCV

File: HUH20B Aug 20, 2004 12:12

Analyte	True	Found	%R (1)
MERCURY	5.0	5.39	107.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH19ICS0

Matrix: SOIL **SDG Name:** WU2523

QC Batch ID: UH19ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ALUMINUM	1.790	U
ANTIMONY	0.230	U
ARSENIC	0.300	U
BARIUM	0.020	U
BERYLLIUM	0.030	U
CADMIUM	0.400	U
CALCIUM	7.032	
CHROMIUM	0.080	U
COBALT	0.440	U
COPPER	-0.978	B
IRON	1.070	U
LEAD	0.368	B
MAGNESIUM	0.750	U
MANGANESE	0.010	B
NICKEL	1.080	U
POTASSIUM	-39.592	B
SELENIUM	0.370	U
SILVER	0.070	U
SODIUM	3.311	B
THALLIUM	0.410	U
TIN	2.929	B
VANADIUM	0.410	U
ZINC	0.140	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH19HGS0

Matrix: SOIL **SDG Name:** WU2523

QC Batch ID: UH19HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: ICB

File: AUH20A Aug 20, 2004 17:29

Analyte	Result	C
ALUMINUM	-36.14	B
ANTIMONY	-2.91	B
BARIUM	0.17	U
CALCIUM	3.13	U
CHROMIUM	-0.90	B
COPPER	0.86	U
IRON	-12.46	B
MAGNESIUM	7.52	U
MANGANESE	-0.23	B
SILVER	0.70	U

SAMPLE: CCB

File: AUH20A Aug 20, 2004 18:15

Analyte	Result	C
ALUMINUM	92.08	B
ANTIMONY	2.34	U
BARIUM	0.17	U
CALCIUM	-8.73	B
CHROMIUM	0.80	U
COPPER	-1.58	B
IRON	-14.62	B
MAGNESIUM	7.52	U
MANGANESE	0.13	U
SILVER	0.70	U

SAMPLE: CCB

File: AUH20A Aug 20, 2004 19:36

Analyte	Result	C
ALUMINUM	318.90	
ANTIMONY	2.34	U
BARIUM	0.17	U
CALCIUM	-26.32	B
CHROMIUM	0.80	U
COPPER	-6.48	B
IRON	21.59	B
MAGNESIUM	19.82	B
MANGANESE	0.13	U
SILVER	0.70	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCB

File: AUH20A Aug 20, 2004 20:58

Analyte	Result	C
ALUMINUM	370.14	
ANTIMONY	2.34	U
BARIUM	0.17	U
CALCIUM	-29.03	B
CHROMIUM	-1.22	B
COPPER	-7.78	B
IRON	10.70	U
MAGNESIUM	25.28	B
MANGANESE	0.13	U
SILVER	-0.74	B

SAMPLE: CCB

File: AUH20A Aug 20, 2004 22:19

Analyte	Result	C
ALUMINUM	366.56	
ANTIMONY	2.34	U
BARIUM	0.17	U
CALCIUM	-52.23	
CHROMIUM	0.80	U
COPPER	-8.81	B
IRON	20.68	B
MAGNESIUM	7.52	U
MANGANESE	-0.28	B
SILVER	-0.91	B

SAMPLE: CCB

File: AUH20A Aug 20, 2004 23:41

Analyte	Result	C
ALUMINUM	486.96	
ANTIMONY	2.36	B
BARIUM	0.17	U
CALCIUM	-52.66	
CHROMIUM	0.80	U
COPPER	-9.77	B
IRON	15.22	B
MAGNESIUM	10.82	B
MANGANESE	0.13	U
SILVER	0.70	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCB

File: AUH20A Aug 21, 2004 1:02

Analyte	Result	C
ALUMINUM	537.73	
ANTIMONY	2.34	U
BARIUM	0.31	B
CALCIUM	-48.39	B
CHROMIUM	0.93	B
COPPER	-10.47	B
IRON	10.70	U
MAGNESIUM	20.15	B
MANGANESE	0.13	U
SILVER	0.70	U

SAMPLE: CCB

File: AUH20A Aug 21, 2004 2:23

Analyte	Result	C
ALUMINUM	539.79	
ANTIMONY	2.34	U
BARIUM	0.17	U
CALCIUM	-63.11	
CHROMIUM	0.80	U
COPPER	-10.29	B
IRON	10.70	U
MAGNESIUM	7.52	U
MANGANESE	0.13	U
SILVER	0.70	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: ICB

File: AUH30A Aug 30, 2004 12:11

Analyte	Result	C
ALUMINUM	27.98	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	-3.45	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH30A Aug 30, 2004 12:52

Analyte	Result	C
ALUMINUM	34.21	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	-8.72	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH30A Aug 30, 2004 13:54

Analyte	Result	C
ALUMINUM	90.22	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	-13.62	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCB

File: AUH30A Aug 30, 2004 14:54

Analyte	Result	C
ALUMINUM	133.06	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	-19.36	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH30A Aug 30, 2004 16:14

Analyte	Result	C
ALUMINUM	199.91	B
ANTIMONY	3.36	B
ARSENIC	3.03	U
CALCIUM	-27.43	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH30A Aug 30, 2004 16:51

Analyte	Result	C
ALUMINUM	203.69	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	-29.66	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: ICB

File: AUH31A Aug 31, 2004 13:17

Analyte	Result	C
ALUMINUM	33.83	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	-4.55	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 14:24

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	3.13	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 15:45

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	3.13	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCB

File: AUH31A Aug 31, 2004 17:05

Analyte	Result	C
ALUMINUM	-26.15	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	4.09	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 18:30

Analyte	Result	C
ALUMINUM	-76.35	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	12.35	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.47	B
TIN	1.79	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: ICB

File: BUH23A Aug 23, 2004 15:06

Analyte	Result	C
ALUMINUM	17.90	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
IRON	5.05	U
MAGNESIUM	24.70	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SODIUM	19.10	U
VANADIUM	-4.84	B
ZINC	1.44	U

SAMPLE: CCB

File: BUH23A Aug 23, 2004 15:40

Analyte	Result	C
ALUMINUM	17.90	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
IRON	5.71	B
MAGNESIUM	24.70	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH23A Aug 23, 2004 16:47

Analyte	Result	C
ALUMINUM	17.90	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
IRON	5.05	U
MAGNESIUM	24.70	U
NICKEL	10.80	U
POTASSIUM	-508.14	B
SODIUM	19.10	U
VANADIUM	-4.84	B
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCB

File: BUH23A Aug 23, 2004 17:55

Analyte	Result	C
ALUMINUM	17.90	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
IRON	5.69	B
MAGNESIUM	-24.70	B
NICKEL	10.80	U
POTASSIUM	-474.38	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH23A Aug 23, 2004 19:04

Analyte	Result	C
ALUMINUM	44.98	B
BERYLLIUM	0.64	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
IRON	12.33	B
MAGNESIUM	24.70	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SODIUM	59.58	B
VANADIUM	4.14	U
ZINC	2.86	B

SAMPLE: CCB

File: BUH23A Aug 23, 2004 20:11

Analyte	Result	C
ALUMINUM	17.90	U
BERYLLIUM	0.36	B
CADMIUM	3.97	U
CALCIUM	-34.25	B
COBALT	4.36	U
IRON	5.05	U
MAGNESIUM	24.70	U
NICKEL	10.80	U
POTASSIUM	-440.54	B
SODIUM	38.44	B
VANADIUM	-4.93	B
ZINC	2.00	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCB

File: BUH23A Aug 23, 2004 21:19

Analyte	Result	C
ALUMINUM	17.90	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
IRON	5.05	U
MAGNESIUM	-39.83	B
NICKEL	10.80	U
POTASSIUM	-977.79	B
SODIUM	49.83	B
VANADIUM	-4.84	B
ZINC	1.94	B

SAMPLE: CCB

File: BUH23A Aug 23, 2004 22:27

Analyte	Result	C
ALUMINUM	21.06	B
BERYLLIUM	0.34	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
IRON	5.75	B
MAGNESIUM	24.70	U
NICKEL	10.80	U
POTASSIUM	-405.80	B
SODIUM	51.15	B
VANADIUM	4.14	U
ZINC	3.13	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: ICB

File: BUH24A Aug 24, 2004 16:07

Analyte	Result	C
ALUMINUM	43.07	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	29.39	B

SAMPLE: CCB

File: BUH24A Aug 24, 2004 16:41

Analyte	Result	C
ALUMINUM	34.58	B
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 17:12

Analyte	Result	C
ALUMINUM	53.27	B
CALCIUM	21.40	U
IRON	7.58	B
MAGNESIUM	24.70	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCB

File: BUH24A Aug 24, 2004 18:20

Analyte	Result	C
ALUMINUM	55.70	B
CALCIUM	32.68	B
IRON	7.22	B
MAGNESIUM	24.70	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 19:28

Analyte	Result	C
ALUMINUM	46.01	B
CALCIUM	24.25	B
IRON	10.06	B
MAGNESIUM	37.51	B

SAMPLE: CCB

File: BUH24A Aug 24, 2004 20:35

Analyte	Result	C
ALUMINUM	58.37	B
CALCIUM	29.55	B
IRON	11.90	B
MAGNESIUM	24.70	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: ICB

File: BUH25A Aug 25, 2004 15:32

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U

SAMPLE: CCB

File: BUH25A Aug 25, 2004 16:06

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	31.18	B

SAMPLE: CCB

File: BUH25A Aug 25, 2004 17:13

Analyte	Result	C
ALUMINUM	27.29	B
CALCIUM	33.21	B
IRON	10.96	B
MAGNESIUM	46.82	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCB

File: BUH25A Aug 25, 2004 18:23

Analyte	Result	C
ALUMINUM	29.81	B
CALCIUM	30.48	B
IRON	13.60	B
MAGNESIUM	48.67	B

SAMPLE: CCB

File: BUH25A Aug 25, 2004 19:31

Analyte	Result	C
ALUMINUM	42.28	B
CALCIUM	41.30	B
IRON	14.76	B
MAGNESIUM	42.18	B

SAMPLE: CCB

File: BUH25A Aug 25, 2004 20:39

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	5.05	U
MAGNESIUM	24.70	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCB

File: BUH25A Aug 25, 2004 21:46

Analyte	Result	C
ALUMINUM	27.55	B
CALCIUM	41.98	B
IRON	5.05	U
MAGNESIUM	24.70	U

SAMPLE: CCB

File: BUH25A Aug 25, 2004 22:31

Analyte	Result	C
ALUMINUM	17.90	U
CALCIUM	21.40	U
IRON	7.23	B
MAGNESIUM	24.70	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: ICB

File: HUH20B Aug 20, 2004 11:08

Analyte	Result	C
MERCURY	0.01	U

SAMPLE: CCB

File: HUH20B Aug 20, 2004 11:34

Analyte	Result	C
MERCURY	-0.03	B

SAMPLE: CCB

File: HUH20B Aug 20, 2004 11:59

Analyte	Result	C
MERCURY	-0.02	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Concentration Units: ug/L

SAMPLE: CCB

File: HUH20B Aug 20, 2004 12:14

Analyte	Result	C
MERCURY	-0.01	B

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	2.34	P
ARSENIC	8.0	3.03	P
BARIUM	5.0	0.17	P
CHROMIUM	15	0.80	P
COPPER	25	0.86	P
IRON	100	10.70	P
LEAD	5.0	1.70	P
MAGNESIUM	50	7.52	P
MANGANESE	5.0	0.13	P
SELENIUM	10	3.71	P
SILVER	15	0.70	P
THALLIUM	15	4.09	P
TIN	100	1.79	P

Katahdin Analytical Services 4000098

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	17.90	P
BERYLLIUM	5.0	0.27	P
CADMIUM	10	3.97	P
CALCIUM	50	21.40	P
COBALT	30	4.36	P
NICKEL	40	10.80	P
POTASSIUM	1000	238.00	P
SODIUM	1000	19.10	P
VANADIUM	25	4.14	P
ZINC	25	1.44	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 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
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
TIN	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

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH19HGS0

Matrix: SOIL **SDG Name:** WU2523

Method: CV **Prep Date:** 08/19/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH19HGS0	LCSOUH19HGS0	0.6	0.1
PBSUH19HGS0	PBSUH19HGS0	0.6	0.1
C03V-16S-06-0804	WU2523-001	0.65	0.1
C03V-16S-12-0804	WU2523-002	0.65	0.1
C03V-16S-24-0804	WU2523-003	0.66	0.1
C03V-15S-06-0804	WU2523-004	0.7	0.1
C03V-15S-12-0804	WU2523-005	0.7	0.1
C03V-15S-24-0804	WU2523-006	0.71	0.1
C03V-14S-06-0804	WU2523-007	0.76	0.1
C03V-14S-12-0804	WU2523-008	0.8	0.1
C03V-14S-24-0804	WU2523-009	0.65	0.1
C03V-13S-06-0804	WU2523-010	0.7	0.1
C03V-13S-12-0804	WU2523-011	0.71	0.1
C03V-13S-24-0804	WU2523-012	0.72	0.1
C03V-13W-06-0804	WU2523-013	0.72	0.1
C03V-13W-12-0804	WU2523-014	0.8	0.1
C03V-13W-24-0804	WU2523-015	0.71	0.1
C03V-DUP08-0804	WU2523-016	0.66	0.1
C03V-DUP09-0804	WU2523-017	0.67	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH19ICS0

Matrix: SOIL **SDG Name:** WU2523

Method: P **Prep Date:** 08/19/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH19ICS0	LCSOUH19ICS0	1	0.1
PBSUH19ICS0	PBSUH19ICS0	1	0.1
C03V-16S-06-0804	WU2523-001	1.16	0.1
C03V-16S-12-0804	WU2523-002	1.18	0.1
C03V-16S-24-0804	WU2523-003	1.44	0.1
C03V-15S-06-0804	WU2523-004	1.37	0.1
C03V-15S-12-0804	WU2523-005	1.39	0.1
C03V-15S-24-0804	WU2523-006	1.26	0.1
C03V-14S-06-0804	WU2523-007	1.19	0.1
C03V-14S-12-0804	WU2523-008	1.52	0.1
C03V-14S-24-0804	WU2523-009	1.45	0.1
C03V-13S-06-0804	WU2523-010	1.45	0.1
C03V-13S-12-0804	WU2523-011	1.6	0.1
C03V-13S-24-0804	WU2523-012	1.36	0.1
C03V-13W-06-0804	WU2523-013	1.67	0.1
C03V-13W-06-0804P	WU2523-013P	1.68	0.1
C03V-13W-06-0804S	WU2523-013S	1.68	0.1
C03V-13W-12-0804	WU2523-014	1.2	0.1
C03V-13W-24-0804	WU2523-015	1.34	0.1
C03V-DUP08-0804	WU2523-016	1.45	0.1
C03V-DUP09-0804	WU2523-017	1.23	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: TJA TRACE ICP **File Name:** AUH20A

Date: 8/20/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
S0		1	16:39	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
S1		1	16:46	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
AL IEC		1	16:55	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
FE IEC		1	17:02	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
MN IEC		1	17:09	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
IEC		1	17:16	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
ICV		1	17:23	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
ICB		1	17:29	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
PQL		1	17:36	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
CRI		1	17:43	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
ICSA		1	17:50	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
ICSAB		1	17:57	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
CCV		1	18:03	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
CCB		1	18:15	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
ZZZZZZ		1	18:22										
ZZZZZZ		1	18:29										
ZZZZZZ		1	18:35										
ZZZZZZ		1	18:42										
ZZZZZZ		40	18:49										
ZZZZZZ		40	18:56										
ZZZZZZ		40	19:02										
ZZZZZZ		1	19:09										
ZZZZZZ		1	19:16										
ZZZZZZ		1	19:23										
CCV		1	19:29	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
CCB		1	19:36	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
ZZZZZZ		1	19:43										
ZZZZZZ		1	19:50										
ZZZZZZ		1	19:57										
ZZZZZZ		1	20:03										
ZZZZZZ		1	20:10										
ZZZZZZ		1	20:17										
ZZZZZZ		1	20:24										
ZZZZZZ		5	20:31										
ZZZZZZ		1	20:37										
ZZZZZZ		1	20:44										
CCV		1	20:51	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
CCB		1	20:58	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
ZZZZZZ		1	21:05										
ZZZZZZ		1	21:11										
ZZZZZZ		1	21:18										
ZZZZZZ		1	21:25										
ZZZZZZ		1	21:32										
ZZZZZZ		1	21:38										
ZZZZZZ		1	21:45										
CRI		1	21:52	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
ICSA		1	21:59	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
ICSAB		1	22:05	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
CCV		1	22:12	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag
CCB		1	22:19	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg	Mn	Ag

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: TJA TRACE ICP **File Name:** AUH20A

Date: 8/20/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
ZZZZZZ		1	22:26									
ZZZZZZ		1	22:33									
ZZZZZZ		1	22:39									
ZZZZZZ		1	22:46									
ZZZZZZ		1	22:53									
PBSUH19ICS0		1	23:00		Sb	Ba		Cr	Cu	Fe	Mg Mn	Ag
LCSOUH19ICS0		1	23:06		Sb	Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-001	C03V-16S-06-0804	1	23:13		Sb	Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-002	C03V-16S-12-0804	1	23:20		Sb	Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-003	C03V-16S-24-0804	1	23:27		Sb	Ba		Cr	Cu	Fe	Mg Mn	Ag
CCV		1	23:34	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg Mn	Ag
CCB		1	23:41	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg Mn	Ag
WU2523-004	C03V-15S-06-0804	1	23:47			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-005	C03V-15S-12-0804	1	23:54			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-006	C03V-15S-24-0804	1	0:01			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-007	C03V-14S-06-0804	1	0:08			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-008	C03V-14S-12-0804	1	0:15			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-009	C03V-14S-24-0804	1	0:21			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-010	C03V-13S-06-0804	1	0:28			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-011	C03V-13S-12-0804	1	0:35			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-012	C03V-13S-24-0804	1	0:42			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-013	C03V-13W-06-0804	1	0:49			Ba		Cr	Cu	Fe	Mg Mn	Ag
CCV		1	0:55	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg Mn	Ag
CCB		1	1:02	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg Mn	Ag
WU2523-013L	C03V-13W-06-0804L	5	1:09			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-013S	C03V-13W-06-0804S	1	1:16			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-013P	C03V-13W-06-0804P	1	1:22			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-014	C03V-13W-12-0804	1	1:29			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-015	C03V-13W-24-0804	1	1:36			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-016	C03V-DUP08-0804	1	1:43			Ba		Cr	Cu	Fe	Mg Mn	Ag
WU2523-017	C03V-DUP09-0804	1	1:49			Ba		Cr	Cu	Fe	Mg Mn	Ag
CRI		1	1:56	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg Mn	Ag
ICSA		1	2:03	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg Mn	Ag
ICSAB		1	2:10	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg Mn	Ag
CCV		1	2:16	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg Mn	Ag
CCB		1	2:23	Al	Sb	Ba	Ca	Cr	Cu	Fe	Mg Mn	Ag

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: TJA TRACE ICP **File Name:** AUH30A

Date: 8/30/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
S0		1	11:21	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
S1		1	11:27	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
AL IEC		1	11:37	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
FE IEC		1	11:44	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
MN IEC		1	11:50	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
IEC		1	11:57	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICV		1	12:04	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICB		1	12:11	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
PQL		1	12:17	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CRI		1	12:24	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICSA		1	12:32	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICSAB		1	12:39	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCV		1	12:46	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	12:52	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ZZZZZZ		1	12:59										
ZZZZZZ		1	13:06										
ZZZZZZ		2	13:12										
ZZZZZZ		1	13:19										
ZZZZZZ		1	13:26										
ZZZZZZ		1	13:32										
ZZZZZZ		1	13:39										
CCV		1	13:47	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	13:54	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ZZZZZZ		1	14:00										
ZZZZZZ		1	14:07										
ZZZZZZ		1	14:14										
PBSUH19ICS0		1	14:21			As			Pb		Se	Tl	Sn
LCSOUH19ICS0		1	14:27			As			Pb		Se	Tl	Sn
WU2523-001	C03V-16S-06-0804	1	14:34			As			Pb		Se	Tl	Sn
WU2523-002	C03V-16S-12-0804	20	14:41						Pb				
CCV		1	14:47	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	14:54	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
WU2523-003	C03V-16S-24-0804	1	15:01			As			Pb		Se	Tl	Sn
WU2523-004	C03V-15S-06-0804	1	15:07		Sb	As			Pb		Se	Tl	Sn
WU2523-005	C03V-15S-12-0804	1	15:14		Sb	As			Pb		Se	Tl	Sn
WU2523-006	C03V-15S-24-0804	1	15:21		Sb	As			Pb		Se	Tl	Sn
WU2523-007	C03V-14S-06-0804	1	15:27		Sb	As			Pb		Se	Tl	Sn
WU2523-002	C03V-16S-12-0804	1	15:34			As					Se	Tl	Sn
ZZZZZZ		1	15:41										
WU2523-008	C03V-14S-12-0804	1	15:48		Sb	As			Pb		Se	Tl	Sn
WU2523-009	C03V-14S-24-0804	1	15:54		Sb	As			Pb		Se	Tl	Sn
WU2523-010	C03V-13S-06-0804	1	16:01		Sb	As			Pb		Se	Tl	Sn
CCV		1	16:08	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	16:14	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CRI		1	16:21	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICSA		1	16:31	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICSAB		1	16:38	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCV		1	16:45	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	16:51	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: TJA TRACE ICP **File Name:** AUH31A

Date: 8/31/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements										
S0		1	12:27	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
S1		1	12:34	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
AL IEC		1	12:43	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
FE IEC		1	12:50	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
MN IEC		1	12:57	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
IEC		1	13:03	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICV		1	13:10	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICB		1	13:17	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
PQL		1	13:24	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CRI		1	13:30	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICSA		1	13:37	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICSAB		1	14:02	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICSAB		1	14:09	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCV		1	14:18	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	14:24	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
WU2523-011	C03V-13S-12-0804	1	14:31		Sb	As			Pb		Se	Tl	Sn
WU2523-012	C03V-13S-24-0804	1	14:38		Sb	As			Pb		Se	Tl	Sn
WU2523-013	C03V-13W-06-0804	1	14:44		Sb	As			Pb		Se	Tl	Sn
WU2523-013L	C03V-13W-06-0804L	5	14:51		Sb	As			Pb		Se	Tl	Sn
WU2523-013P	C03V-13W-06-0804P	1	14:58		Sb	As			Pb		Se	Tl	Sn
WU2523-013S	C03V-13W-06-0804S	1	15:04		Sb	As			Pb		Se	Tl	Sn
WU2523-014	C03V-13W-12-0804	1	15:11		Sb	As			Pb		Se	Tl	Sn
WU2523-015	C03V-13W-24-0804	1	15:18		Sb	As			Pb		Se	Tl	Sn
WU2523-016	C03V-DUP08-0804	1	15:24		Sb	As			Pb		Se	Tl	Sn
WU2523-017	C03V-DUP09-0804	1	15:31		Sb	As			Pb		Se	Tl	Sn
CCV		1	15:38	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	15:45	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ZZZZZZ		1	15:51										
ZZZZZZ		1	15:58										
ZZZZZZ		1	16:05										
ZZZZZZ		1	16:11										
ZZZZZZ		1	16:18										
ZZZZZZ		5	16:25										
ZZZZZZ		1	16:31										
ZZZZZZ		1	16:38										
ZZZZZZ		1	16:45										
ZZZZZZ		1	16:51										
CCV		1	16:58	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCB		1	17:05	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ZZZZZZ		1	17:12										
ZZZZZZ		1	17:18										
ZZZZZZ		1	17:25										
ZZZZZZ		1	17:32										
ZZZZZZ		1	17:43										
ZZZZZZ		1	17:50										
ZZZZZZ		1	17:56										
CRI		1	18:03	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICSA		1	18:10	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
ICSAB		1	18:16	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn
CCV		1	18:23	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: TJA TRACE ICP **File Name:** AUH31A

Date: 8/31/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
CCB		1	18:30	Al	Sb	As	Ca	Fe	Pb	Mg	Se	Tl	Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: TJA 61 ICP **File Name:** BUH23A

Date: 8/23/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements										
S0		1	14:32	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
S1		1	14:38	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
AL IEC		1	14:43	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
FE IEC		1	14:52	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
ICV		1	15:00	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
ICB		1	15:06	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
PQL		1	15:11	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CRI		1	15:17	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
ICSA		1	15:23	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
ICSAB		1	15:28	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CCV		1	15:34	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CCB		1	15:40	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
ZZZZZZ		1	15:45												
ZZZZZZ		1	15:51												
ZZZZZZ		1	15:56												
ZZZZZZ		1	16:02												
ZZZZZZ		1	16:08												
ZZZZZZ		1	16:13												
ZZZZZZ		1	16:19												
ZZZZZZ		1	16:25												
ZZZZZZ		1	16:30												
PBSUH19ICS0		1	16:36	Al	Be	Cd	Ca	Co			Ni	K	Na	V	Zn
CCV		1	16:41	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CCB		1	16:47	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
LCSOUH19ICS0		1	16:53	Al	Be	Cd	Ca	Co			Ni	K	Na	V	Zn
WU2523-001	C03V-16S-06-0804	1	16:58	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-002	C03V-16S-12-0804	1	17:04	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-003	C03V-16S-24-0804	1	17:10	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-004	C03V-15S-06-0804	1	17:15	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-005	C03V-15S-12-0804	1	17:21	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-006	C03V-15S-24-0804	1	17:27	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-007	C03V-14S-06-0804	1	17:32	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-008	C03V-14S-12-0804	1	17:38	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-009	C03V-14S-24-0804	1	17:43	Al	Be	Cd		Co			Ni	K	Na	V	Zn
CCV		1	17:49	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CCB		1	17:55	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
WU2523-010	C03V-13S-06-0804	1	18:00	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-011	C03V-13S-12-0804	1	18:06	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-012	C03V-13S-24-0804	1	18:13	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-013	C03V-13W-06-0804	1	18:19	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-013L	C03V-13W-06-0804L	5	18:24	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-013S	C03V-13W-06-0804S	1	18:30	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-013P	C03V-13W-06-0804P	1	18:36	Al	Be	Cd		Co			Ni	K	Na	V	Zn
CRI		1	18:41	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
ICSA		1	18:47	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
ICSAB		1	18:52	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CCV		1	18:58	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CCB		1	19:04	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
WU2523-014	C03V-13W-12-0804	1	19:09	Al	Be	Cd		Co			Ni	K	Na	V	Zn
WU2523-015	C03V-13W-24-0804	1	19:15	Al	Be	Cd		Co			Ni	K	Na	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: TJA 61 ICP **File Name:** BUH23A

Date: 8/23/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements										
WU2523-016	C03V-DUP08-0804	1	19:21	Al	Be	Cd	Co			Ni	K	Na	V	Zn
WU2523-017	C03V-DUP09-0804	1	19:26	Al	Be	Cd	Co			Ni	K	Na	V	Zn
WU2523-001	C03V-16S-06-0804	10	19:32			Ca								
ZZZZZZ		10	19:38											
WU2523-003	C03V-16S-24-0804	10	19:43			Ca								
WU2523-004	C03V-15S-06-0804	10	19:49			Ca								
WU2523-005	C03V-15S-12-0804	10	19:54			Ca								
WU2523-006	C03V-15S-24-0804	10	20:00			Ca								
CCV		1	20:06	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CCB		1	20:11	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
WU2523-007	C03V-14S-06-0804	10	20:17			Ca								
WU2523-008	C03V-14S-12-0804	10	20:23			Ca								
WU2523-009	C03V-14S-24-0804	10	20:28			Ca								
WU2523-010	C03V-13S-06-0804	10	20:34			Ca								
WU2523-011	C03V-13S-12-0804	10	20:40			Ca								
WU2523-012	C03V-13S-24-0804	10	20:45			Ca								
ZZZZZZ		10	20:51											
WU2523-013L	C03V-13W-06-0804L	50	20:56			Ca								
WU2523-013S	C03V-13W-06-0804S	10	21:02			Ca								
WU2523-013P	C03V-13W-06-0804P	10	21:08			Ca								
CCV		1	21:13	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CCB		1	21:19	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
WU2523-014	C03V-13W-12-0804	10	21:25			Ca								
WU2523-015	C03V-13W-24-0804	10	21:30			Ca								
WU2523-016	C03V-DUP08-0804	10	21:36			Ca								
WU2523-017	C03V-DUP09-0804	10	21:42			Ca								
ZZZZZZ		1	21:47											
ZZZZZZ		1	21:53											
ZZZZZZ		1	21:59											
CRI		1	22:04	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
ICSA		1	22:10	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
ICSAB		1	22:15	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CCV		1	22:21	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn
CCB		1	22:27	Al	Be	Cd	Ca	Co	Fe	Mg	Ni	K	Na	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: TJA 61 ICP **File Name:** BUH24A

Date: 8/24/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	15:34	Al	Ca	Fe	Mg
S1		1	15:39	Al	Ca	Fe	Mg
AL_IEC		1	15:45	Al	Ca	Fe	Mg
FE_IEC		1	15:53	Al	Ca	Fe	Mg
ICV		1	16:02	Al	Ca	Fe	Mg
ICB		1	16:07	Al	Ca	Fe	Mg
PQL		1	16:13	Al	Ca	Fe	Mg
CRI		1	16:19	Al	Ca	Fe	Mg
ICSA		1	16:24	Al	Ca	Fe	Mg
ICSAB		1	16:30	Al	Ca	Fe	Mg
CCV		1	16:35	Al	Ca	Fe	Mg
CCB		1	16:41	Al	Ca	Fe	Mg
ZZZZZZ		10	16:47				
ZZZZZZ		10	16:52				
ZZZZZZ		10	16:58				
CCV		1	17:07	Al	Ca	Fe	Mg
CCB		1	17:12	Al	Ca	Fe	Mg
ZZZZZZ		10	17:18				
WU2523-002	C03V-16S-12-0804	10	17:24		Ca		
ZZZZZZ		10	17:29				
ZZZZZZ		10	17:35				
ZZZZZZ		1	17:41				
ZZZZZZ		1	17:46				
ZZZZZZ		1	17:52				
ZZZZZZ		5	17:57				
ZZZZZZ		1	18:03				
ZZZZZZ		1	18:09				
CCV		1	18:14	Al	Ca	Fe	Mg
CCB		1	18:20	Al	Ca	Fe	Mg
ZZZZZZ		1	18:26				
ZZZZZZ		1	18:31				
ZZZZZZ		1	18:37				
ZZZZZZ		1	18:43				
ZZZZZZ		1	18:48				
ZZZZZZ		1	18:54				
ZZZZZZ		1	18:59				
ZZZZZZ		5	19:05				
ZZZZZZ		1	19:11				
ZZZZZZ		1	19:16				
CCV		1	19:22	Al	Ca	Fe	Mg
CCB		1	19:28	Al	Ca	Fe	Mg
ZZZZZZ		1	19:33				
ZZZZZZ		1	19:39				
ZZZZZZ		1	19:45				
ZZZZZZ		1	19:50				
ZZZZZZ		1	19:56				
ZZZZZZ		1	20:01				
ZZZZZZ		1	20:07				
CRI		1	20:13	Al	Ca	Fe	Mg
ICSA		1	20:18	Al	Ca	Fe	Mg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: TJA 61 ICP **File Name:** BUH24A

Date: 8/24/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
ICSAB		1	20:24	Al	Ca	Fe	Mg
CCV		1	20:30	Al	Ca	Fe	Mg
CCB		1	20:35	Al	Ca	Fe	Mg

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: TJA 61 ICP **File Name:** BUH25A

Date: 8/25/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	14:58	Al	Ca	Fe	Mg
S1		1	15:04	Al	Ca	Fe	Mg
AL IEC		1	15:10	Al	Ca	Fe	Mg
FE IEC		1	15:18	Al	Ca	Fe	Mg
ICV		1	15:26	Al	Ca	Fe	Mg
ICB		1	15:32	Al	Ca	Fe	Mg
PQL		1	15:38	Al	Ca	Fe	Mg
CRI		1	15:43	Al	Ca	Fe	Mg
ICSA		1	15:49	Al	Ca	Fe	Mg
ICSAB		1	15:54	Al	Ca	Fe	Mg
CCV		1	16:00	Al	Ca	Fe	Mg
CCB		1	16:06	Al	Ca	Fe	Mg
ZZZZZZ		1	16:11				
ZZZZZZ		1	16:17				
ZZZZZZ		1	16:23				
ZZZZZZ		1	16:28				
ZZZZZZ		1	16:34				
ZZZZZZ		1	16:40				
ZZZZZZ		1	16:45				
ZZZZZZ		1	16:51				
ZZZZZZ		1	16:56				
ZZZZZZ		5	17:02				
CCV		1	17:08	Al	Ca	Fe	Mg
CCB		1	17:13	Al	Ca	Fe	Mg
ZZZZZZ		1	17:19				
ZZZZZZ		1	17:25				
ZZZZZZ		1	17:30				
ZZZZZZ		1	17:36				
ZZZZZZ		1	17:42				
ZZZZZZ		1	17:47				
ZZZZZZ		1	17:53				
WU2523-013	C03V-13W-06-0804	20	18:01		Ca		
ZZZZZZ		5	18:06				
ZZZZZZ		20	18:12				
CCV		1	18:18	Al	Ca	Fe	Mg
CCB		1	18:23	Al	Ca	Fe	Mg
ZZZZZZ		20	18:29				
ZZZZZZ		5	18:35				
ZZZZZZ		2	18:40				
ZZZZZZ		5	18:46				
ZZZZZZ		5	18:51				
ZZZZZZ		5	18:57				
ZZZZZZ		1	19:03				
CRI		1	19:08	Al	Ca	Fe	Mg
ICSA		1	19:14	Al	Ca	Fe	Mg
ICSAB		1	19:20	Al	Ca	Fe	Mg
CCV		1	19:25	Al	Ca	Fe	Mg
CCB		1	19:31	Al	Ca	Fe	Mg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2523

Instrument ID: CETAC M6100 **File Name:** HUH20B

Date: 8/20/04 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	10:53	Hg
Standard #1 (0.2 p		1	10:55	Hg
Standard #2 (0.5 p		1	10:58	Hg
Standard #3 (1.0 p		1	11:00	Hg
Standard #4 (5.0 p		1	11:02	Hg
Standard #5 (10.0		1	11:04	Hg
ICV		1	11:06	HG
ICB		1	11:08	HG
CRA		1	11:10	HG
LCSOUH19HGS0		1	11:12	HG
PBSUH19HGS0		1	11:14	HG
WU2523-001	C03V-16S-06-0804	1	11:17	HG
WU2523-002	C03V-16S-12-0804	1	11:19	HG
WU2523-003	C03V-16S-24-0804	1	11:21	HG
WU2523-004	C03V-15S-06-0804	1	11:23	HG
WU2523-005	C03V-15S-12-0804	1	11:25	HG
WU2523-006	C03V-15S-24-0804	1	11:27	HG
WU2523-007	C03V-14S-06-0804	1	11:29	HG
CCV		1	11:31	HG
CCB		1	11:34	HG
WU2523-008	C03V-14S-12-0804	1	11:36	HG
WU2523-009	C03V-14S-24-0804	1	11:38	HG
WU2523-010	C03V-13S-06-0804	1	11:40	HG
WU2523-011	C03V-13S-12-0804	1	11:42	HG
WU2523-012	C03V-13S-24-0804	1	11:44	HG
WU2523-013	C03V-13W-06-0804	1	11:46	HG
WU2523-014	C03V-13W-12-0804	1	11:48	HG
WU2523-015	C03V-13W-24-0804	1	11:51	HG
WU2523-016	C03V-DUP08-0804	1	11:53	HG
WU2523-017	C03V-DUP09-0804	1	11:55	HG
CCV		1	11:57	HG
CCB		1	11:59	HG
ZZZZZZ		1	12:01	
ZZZZZZ		1	12:03	
ZZZZZZ		1	12:06	
ZZZZZZ		1	12:08	
ZZZZZZ		1	12:10	
CCV		1	12:12	HG
CCB		1	12:14	HG

FORM XIV - IN

FIELD DUPLICATE PRECISION - SDG WU2523

ANALYTE	C03V-DUP08-0804	C03V-15S-06-0804	RPD	DIFFERENCE
Aluminum	763	719	5.94	44
Antimony	0.2U	0.26	#VALUE!	#VALUE!
Arsenic	0.84	0.81	3.64	0.03
Barium	5.6	6	6.90	0.4
Beryllium	0.16	0.14	13.33	0.02
Cadmium	0.35U	0.31U	#VALUE!	#VALUE!
Calcium	215000	229000	6.31	14000
Chromium	6	5.8	3.39	0.2
Cobalt	0.38U	0.34U	#VALUE!	#VALUE!
Copper	0.68	1.2	55.32 OK	0.52
Iron	650	615	5.53	35
Lead	2.4	10.2	123.81	7.8
Magnesium	1950	1960	0.51	10
Manganese	24.5	23.6	3.74	0.9
Mercury	0.01U	0.01U	#VALUE!	#VALUE!
Nickel	0.94U	0.85U	#VALUE!	#VALUE!
Potassium	98.3	66.6	38.45	31.7
Selenium	0.32U	0.29U	#VALUE!	#VALUE!
Silver	0.06U	0.05U	#VALUE!	#VALUE!
Sodium	245	290	16.82	45
Thallium	0.36U	0.32U	#VALUE!	#VALUE!
Tin	2.5	2.3	8.33	0.2
Vanadium	5.6	5.1	9.35	0.5
Zinc	1.7	3.2	61.22 OK	1.5

ANALYTE	C03V-DUP09-0804	C03V-13S-12-0804	RPD	DIFFERENCE
Aluminum	119	49.5	82.49 OK	69.5
Antimony	0.3	0.24	22.22	0.06
Arsenic	0.37	0.21U	#VALUE!	#VALUE!
Barium	7	4.7	39.32	2.3
Beryllium	0.12	0.05	82.35 OK	0.07
Cadmium	0.36U	0.28U	#VALUE!	#VALUE!
Calcium	274000	255000	7.18	19000
Chromium	1.7	1.2	34.48	0.5
Cobalt	0.4U	0.31U	#VALUE!	#VALUE!
Copper	0.96	0.23	122.69 OK	0.73
Iron	140	42.7	106.51	97.3
Lead	9.2	1.5	143.93	7.7
Magnesium	946	700	29.89	246
Manganese	2.5	1.1	77.78 OK	1.4
Mercury	0.02	0.01U	#VALUE!	#VALUE!
Nickel	0.98U	0.76U	#VALUE!	#VALUE!
Potassium	40.9	37.4	8.94	3.5
Selenium	0.34U	0.26U	#VALUE!	#VALUE!
Silver	0.06U	0.05U	#VALUE!	#VALUE!
Sodium	1000	1140	13.08	140
Thallium	0.37U	0.29U	#VALUE!	#VALUE!
Tin	2.5	2.2	12.77	0.3
Vanadium	1.9	1.4	30.30	0.5
Zinc	3.7	2.3	46.67	1.4

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **C. BRYAN** **DATE: SEPTEMBER 7, 2004**

FROM: **D. SCHLOER** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PCB**
CTO 349, NAS KEY WEST
SDG: WU2568

SAMPLES: 3/Soil/PCB

C03V-12ER-06-0804 C03V-12ER-12-0804 C03V-12ER-24-0804

Overview

The sample set for CTO 349; NAS Key West; SDG WU2568 consists of three (3) soil environmental samples. As detailed above, the samples were analyzed for Polychlorinated Biphenyls (PCBs).

The samples were collected by Tetra Tech NUS on August 18th, 2004 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 U.S. EPA Test Methods for Evaluating Solid Waste (SW-846) Methods 8082 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
* • 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. Results as reported by the laboratory are presented in Appendix B.

PCB

No data quality issues were noted.

Additional Comments

Nondetected organic compounds were reported to the method Reporting Limits (RLs).

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the NFESC guidelines 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

Douglas Schloer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration 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: 0693

SDG: WU2568 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-12ER-06-0804	nsample	C03V-12ER-12-0804	nsample	C03V-12ER-24-0804
samp_date	8/18/2004	samp_date	8/18/2004	samp_date	8/18/2004
lab_id	WU2568-1	lab_id	WU2568-2	lab_id	WU2568-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	94.0	Pct_Solids	93.3	Pct_Solids	89.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	U	
AROCLOR-1248	19	U	
AROCLOR-1254	19	U	
AROCLOR-1260	19	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/18/04
Received Date: 08/19/04
Extraction Date: 08/20/04
Analysis Date: 08/24/04
Report Date: 08/25/2004
Matrix: SOIL
% Solids: 94.0

Lab ID: WU2568-1
Client ID: C03V-12ER-06-0804
SDG: WU2568
Extracted by: MC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9349
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.7
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.1
877-09-8	Tetrachloro-m-xylene		71%				
2051-24-3	Decachlorobiphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/18/04
Received Date: 08/19/04
Extraction Date: 08/20/04
Analysis Date: 08/24/04
Report Date: 08/25/2004
Matrix: SOIL
% Solids: 93.3

Lab ID: WU2568-2
Client ID: C03V-12ER-12-0804
SDG: WU2568
Extracted by: MC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9349
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.8
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.6
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.2
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.8
11097-69-1	Aroclor-1254	U	18	1.0	17	18	5.0
11096-82-5	Aroclor-1260	U	18	1.0	17	18	9.2
877-09-8	Tetrachloro-m-xylene		69%				
2051-24-3	Decachlorobiphenyl		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/18/04
Received Date: 08/19/04
Extraction Date: 08/20/04
Analysis Date: 08/24/04
Report Date: 08/25/2004
Matrix: SOIL
% Solids: 89.3

Lab ID: WU2568-3
Client ID: C03V-12ER-24-0804
SDG: WU2568
Extracted by: MC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9349
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	12
11104-28-2	Aroclor-1221	U	19	1.0	17	19	9.2
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.9
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.5
12672-29-6	Aroclor-1248	U	19	1.0	17	19	9.2
11097-69-1	Aroclor-1254	U	19	1.0	17	19	5.3
11096-82-5	Aroclor-1260	U	19	1.0	17	19	9.6
877-09-8	Tetrachloro-m-xylene		60%				
2051-24-3	Decachlorobiphenyl		71%				

APPENDIX C

SUPPORT DOCUMENTATION

CTO 349 / N0693

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-12ER-06-0804	WU2568-1	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
PCB	%	C03V-12ER-12-0804	WU2568-2	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
PCB	%	C03V-12ER-24-0804	WU2568-3	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
PCB	UG/KG	C03V-12ER-06-0804	WU2568-1	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
PCB	UG/KG	C03V-12ER-12-0804	WU2568-2	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
PCB	UG/KG	C03V-12ER-24-0804	WU2568-3	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech NUS	Chuck Bryan	(803) 649-7963	(803) 642-8454

Address 900 Trail Ridge Road City Aiken State SC Zip Code 29803

Purchase Order # Proj. Name / No. Katahdin Quote #

Bill (if different than above) Address

Sampler (Print / Sign) Shonda C. Sumpter Copies To:

LAB USE ONLY WORK ORDER #: CM25C8

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL Metals	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-12ER-06-0804	18 Aug 04 / 1336	SO	1	X	X ✓								
	C03V-12ER-12-0804	⊥ / 1337	⊥	⊥	⊥	⊥ ✓								
	C03V-12ER-24-0804	⊥ / 1338	⊥	⊥	⊥	⊥ ✓								

9-7-04

SCS 18 Aug 04

COMMENTS

7 day turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	18 Aug 04 1409	8/19/04 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 SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

S-COC1

ORIGINAL 000006

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2568

Sample Receipt

The following samples were received on August 19, 2004 and were logged in under Katahdin Analytical Services work order number WU2568 for a hardcopy due date of August 25, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2568-1	C03V-12ER-06-0804
WU2568-2	C03V-12ER-12-0804
WU2568-3	C03V-12ER-24-0804

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 Analysis

The samples of Work Order WU2568 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

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

Metals Analysis

The samples of Katahdin Work Order WU2568 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)

Soil-matrix Katahdin Sample Nos. WU2568-(1-3) were digested for ICP analysis on 08/20/04 (QC Batch UH20ICS0) in accordance with USEPA Method 3050B. The measured calcium concentration (0.0898 mg/L, corresponding to a dry-weight concentration of 8.98 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of Work Order WU2568 sample digestates were performed using a Thermo Jarrell Ash (TJA) and a TJA 61E ICP spectrometer in accordance with USEPA Method 6010B. ICP-MS analyses of Work Order WU2568 sample digestates were performed using an Agilent 7500 ICP-MS spectrometer in accordance with USEPA Method 6020. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2568-(1-3) were digested for mercury analysis on 08/20/04 (QC Batch UH20HGS0) in accordance with USEPA Method 7471A.

Mercury analyses of Katahdin Work Order WU2568 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Wet Chemistry Analysis

The samples of Katahdin Work Order WU2568 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

Maria Crouch
09.02.04
Maria Crouch
Quality Assurance Officer

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # LW 25628

PAGE: 1 OF 1

COOLER: 1 OF 1

CLIENT: Tetra Tech

PROJECT: C70351 Key West

COC#
SDG#
DATE / TIME RECEIVED: 8/19/04 0920
DELIVERED BY: FedEx
RECEIVED BY: VC
LIMS ENTRY BY: DC
LIMS REVIEW BY / PM: AJC

	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)= 1.2	
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.

000005 ABC

SET 9/21/04

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/20/04
Analysis Date: 08/24/04
Report Date: 08/25/2004
Matrix: SOIL
% Solids: 100

Lab ID: WG9349-1
Client ID: WG9349-Blank
SDG: WU2568
Extracted by: MC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9349
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	10
11104-28-2	Aroclor-1221	U	17	1.0	17	17	8.2
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	8.2
11097-69-1	Aroclor-1254	U	17	1.0	17	17	4.7
11096-82-5	Aroclor-1260	U	17	1.0	17	17	8.6
877-09-8	Tetrachloro-m-xylene		65%				
2051-24-3	Decachlorobiphenyl		82%				

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2568

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/19/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.90 DCB: 20.27

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #	
01	ICAL	AR1660 1.0PP	08/19/04	1123	6.90	20.27	
02	ICAL	AR1660 0.05P	08/19/04	1151	6.89	20.28	
03	ICAL	AR1660 0.10P	08/19/04	1219	6.89	20.28	ok
04	ICAL	AR1660 0.25P	08/19/04	1248	6.89	20.27	
05	ICAL	AR1660 2.5PP	08/19/04	1317	6.89	20.27	
06	ICAL	AR1660 10PPM	08/19/04	1345	6.89	20.27	
07	INDSOURCE	AR1016 1.0PP	08/19/04	1414			
08	INDSOURCE	AR1260 1.0PP	08/19/04	1442			
09	ICAL	AR1242 1.0PP	08/19/04	1511			
10	ICAL	AR1248 1.0PP	08/19/04	1801			ok
11	ICAL	AR1254 1.0PP	08/19/04	2052			
12	ICAL	AR1221 1.0PP	08/19/04	2343			
13	ICAL	AR1232 1.0PP	08/20/04	0012			ok
14	CV	AR1660 1.0PP	08/24/04	0243	6.89	20.26	
15	WG9349-BLANK	WG9349-1	08/24/04	0505	6.88	20.26	clean
16	WG9349-LCS	WG9349-2	08/24/04	0533	6.88	20.26	ok
17	WG9349-LCSD	WG9349-3	08/24/04	0602	6.88	20.26	ok
18	C03V-12ER-06	WU2568-1	08/24/04	0630	6.88	20.26	
19	C03V-12ER-12	WU2568-2	08/24/04	0659	6.88	20.26	
20	C03V-12ER-24	WU2568-3	08/24/04	0727	6.88	20.26	

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.

8-7-04

FORM VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2568

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/19/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.90 DCB: 20.27

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/24/04	0755	6.88	20.26
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

ok

JB 8-7-04

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

PCB-SON

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - SOIL PESTICIDE/PCB

9-7-04

xtraction Method: SW846 3550 (sonication) ✓ SW846 3540 (soxhlet)_____ SW846 3545 (ase)_____

nalytical Method: SW846 8081 ✓ SW846 8082_____ CLP OLM03.1_____ CLP OLM04.2_____

ate QC Started: 8-20-04 QC Expiration Date: 9-4-04 QC Batch ID_____

urrogate ID: GC0144 Spike ID: GC0140 Spike ID:_____

olvent Lot # $MeCl_2$: A18E10 Solvent Lot # Acetone ACE E53

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8-20-04	MC	WG-9349 -1	30g	1mL	NR		✓	10mL	8-23-04	PP580 A10	MC			✓		
↓	↓	↓ -2	↓	↓	1mL		✓	↓	↓	A11	↓			✓		
↓	↓	↓ -3	↓	↓	↓		✓	↓	↓	A12	↓			✓		

Katahdin Analytical Services 3000034

Date Extracted	Ext. Init.	Sample ID	Initial Vol.	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol.	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
8-20-04	MC	WW ~~23568~~ 25568 -1	30g	1mL	NC		✓	10mL	8-23-04	B1	MC			✓		
↓	↓	↓ -2	↓	↓	↓		✓	↓	↓	B2	↓			✓		
↓	↓	↓ -3	↓	↓	↓		✓	↓	↓	B3	↓			✓		

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 8, 2004**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS + TIN**
NAS KEY WEST – CTO 349
SAMPLE DELIVERY GROUP (SDG) – WU2568

SAMPLES: 3/SOIL/

C03V-12ER-06-0804 C03V-12ER-12-0804 C03V-12ER-24-0804

Overview

The sample set for NAS Key West, CTO 349, SDG WU2568, consists of three (3) soil environmental samples.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by Tetra Tech NUS on August 18, 2004 and analyzed by Katahdin Analytical Services. Metals analyses except mercury were conducted using SW846 method 6010B. Mercury analyses were conducted using SW846 method 7471A.

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

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
  • Laboratory Blank Analyses
* • Detection Limits

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	58.37 ug/L	29.19 mg/kg
Antimony[1]	0.043 mg/kg	0.22 mg/kg
Arsenic[1]	0.022 mg/kg	0.11 mg/kg
Barium	1.0 ug/L	0.5 mg/kg
Beryllium	0.71 ug/L	0.36 mg/kg
Calcium[1]	8.981 mg/kg	44.91 mg/kg
Chromium[1]	0.186 mg/kg	0.93 mg/kg
Copper	2.85 ug/L	1.43 mg/kg
Iron	12.57 ug/L	6.29 mg/kg
Lead[1]	0.283 mg/kg	1.42 mg/kg
Magnesium	37.51 ug/L	18.76 mg/kg
Potassium	840.76 ug/L	420.38 mg/kg
Silver	7.86 ug/L	3.93 mg/kg
Sodium[1]	8.389 mg/kg	41.95 mg/kg
Thallium	4.47 ug/L	2.24 mg/kg
Tin[1]	3.067 mg/kg	15.34 mg/kg
Zinc[1]	0.639 mg/kg	3.20 mg/kg

[1] Maximum concentration present in laboratory preparation blank.

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

Notes

Dilutions were performed for calcium in all samples due to the concentrations of calcium above the linear range of the instrument.

Executive Summary

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

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", 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: 0693

SDG: WU2568 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-12ER-06-0804	nsample	C03V-12ER-12-0804	nsample	C03V-12ER-24-0804
samp_date	8/18/2004	samp_date	8/18/2004	samp_date	8/18/2004
lab_id	WU2568-001	lab_id	WU2568-002	lab_id	WU2568-003
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	94.0	Pct_Solids	93.3	Pct_Solids	89.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	723		
ANTIMONY	0.2	U	
ARSENIC	0.87		
BARIUM	6.3		
BERYLLIUM	0.12	U	A
CADMIUM	0.34	U	
CALCIUM	250000		
CHROMIUM	5.7		
COBALT	0.37	U	
COPPER	3.7		
IRON	652		
LEAD	3.2		
MAGNESIUM	1840		
MANGANESE	23.4		
MERCURY	0.02		
NICKEL	1.6		
POTASSIUM	106	U	A
SELENIUM	0.32	U	
SILVER	0.24	U	
SODIUM	252		
THALLIUM	0.35	U	
TIN	2.3	U	A
VANADIUM	5.3		
ZINC	3.9		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	844		
ANTIMONY	0.17	U	
ARSENIC	0.83		
BARIUM	6.4		
BERYLLIUM	0.14	U	A
CADMIUM	0.29	U	
CALCIUM	255000		
CHROMIUM	5.6		
COBALT	0.55		
COPPER	2		
IRON	607		
LEAD	0.7	U	A
MAGNESIUM	1970		
MANGANESE	24.7		
MERCURY	0.01	U	
NICKEL	1.9		
POTASSIUM	153	U	A
SELENIUM	0.27	U	
SILVER	0.21	U	
SODIUM	238		
THALLIUM	0.3	U	
TIN	1.4	U	A
VANADIUM	6		
ZINC	0.97	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	724		
ANTIMONY	0.2	U	
ARSENIC	0.79		
BARIUM	5.4		
BERYLLIUM	0.11	U	A
CADMIUM	0.33	U	
CALCIUM	214000		
CHROMIUM	4.7		
COBALT	0.46		
COPPER	1.5		
IRON	520		
LEAD	0.74	U	A
MAGNESIUM	1660		
MANGANESE	21.1		
MERCURY	0.01	U	
NICKEL	1.8		
POTASSIUM	91.9	U	A
SELENIUM	0.31	U	
SILVER	0.24	U	
SODIUM	189		
THALLIUM	0.48	U	A
TIN	2.4	U	A
VANADIUM	4.9		
ZINC	1.1	U	A

PROJ_NO: 0693

SDG: WU2568 MEDIA: SOIL DATA FRACTION: MISC

nsample	C03V-12ER-06-0804	nsample	C03V-12ER-12-0804	nsample	C03V-12ER-24-0804
samp_date	8/18/2004	samp_date	8/18/2004	samp_date	8/18/2004
lab_id	WU2568-1	lab_id	WU2568-2	lab_id	WU2568-3
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	94.0	Pct_Solids	93.3	Pct_Solids	89.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
TOTAL SOLIDS	%	94		

Parameter	units	Result	Val Qual	Qual Code
TOTAL SOLIDS	%	93		

Parameter	units	Result	Val Qual	Qual Code
TOTAL SOLIDS	%	89		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-12ER-06-0804

Matrix: SOIL **SDG Name:** WU2568

Percent Solids: 94.0 **Lab Sample ID:** WU2568-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	723			P	1	26	1.52
7440-36-0	ANTIMONY, TOTAL	0.20	U		P	1	0.68	0.20
7440-38-2	ARSENIC, TOTAL	0.87			P	1	0.68	0.26
7440-39-3	BARIUM, TOTAL	6.3			P	1	0.42	0.05
7440-41-7	BERYLLIUM, TOTAL	0.12	B		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.34	U		P	1	0.85	0.34
7440-70-2	CALCIUM, TOTAL	250000			P	10	42	18.22
7440-47-3	CHROMIUM, TOTAL	5.7			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.37	U		P	1	2.6	0.37
7440-50-8	COPPER, TOTAL	3.7			P	1	2.1	0.16
7439-89-6	IRON, TOTAL	652			P	1	8.5	0.43
7439-92-1	LEAD, TOTAL	3.2			P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	1840			P	1	4.2	2.10
7439-96-5	MANGANESE, TOTAL	23.4			P	1	0.42	0.10
7439-97-6	MERCURY, TOTAL	0.02	B		CV	1	0.030	0.01
7440-02-0	NICKEL, TOTAL	1.6	B		P	1	3.4	0.92
7440-09-7	POTASSIUM, TOTAL	106			P	1	85	20.26
7782-49-2	SELENIUM, TOTAL	0.32	U		P	1	0.85	0.32
7440-22-4	SILVER, TOTAL	0.24	U		P	1	1.3	0.24
7440-23-5	SODIUM, TOTAL	252			P	1	85	1.63
7440-28-0	THALLIUM, TOTAL	0.35	U		P	1	1.3	0.35
7440-31-5	TIN, TOTAL	2.3	B		P	1	8.5	0.15
7440-62-2	VANADIUM, TOTAL	5.3			P	1	2.1	0.35
7440-66-6	ZINC, TOTAL	3.9			P	1	2.1	0.12

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-12ER-12-0804

Matrix: SOIL **SDG Name:** WU2568

Percent Solids: 93.3 **Lab Sample ID:** WU2568-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	844			P	1	22	1.30
7440-36-0	ANTIMONY, TOTAL	0.17	U		P	1	0.58	0.17
7440-38-2	ARSENIC, TOTAL	0.83			P	1	0.58	0.22
7440-39-3	BARIUM, TOTAL	6.4			P	1	0.36	0.04
7440-41-7	BERYLLIUM, TOTAL	0.14	B		P	1	0.36	0.02
7440-43-9	CADMIUM, TOTAL	0.29	U		P	1	0.72	0.29
7440-70-2	CALCIUM, TOTAL	255000			P	10	36	15.50
7440-47-3	CHROMIUM, TOTAL	5.6			P	1	1.1	0.06
7440-48-4	COBALT, TOTAL	0.55	B		P	1	2.2	0.32
7440-50-8	COPPER, TOTAL	2.0			P	1	1.8	0.14
7439-89-6	IRON, TOTAL	607			P	1	7.2	0.37
7439-92-1	LEAD, TOTAL	0.70			P	1	0.36	0.12
7439-95-4	MAGNESIUM, TOTAL	1970			P	1	3.6	1.79
7439-96-5	MANGANESE, TOTAL	24.7			P	1	0.36	0.08
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.031	0.01
7440-02-0	NICKEL, TOTAL	1.9	B		P	1	2.9	0.78
7440-09-7	POTASSIUM, TOTAL	153			P	1	72	17.23
7782-49-2	SELENIUM, TOTAL	0.27	U		P	1	0.72	0.27
7440-22-4	SILVER, TOTAL	0.21	U		P	1	1.1	0.21
7440-23-5	SODIUM, TOTAL	238			P	1	72	1.38
7440-28-0	THALLIUM, TOTAL	0.30	U		P	1	1.1	0.30
7440-31-5	TIN, TOTAL	1.4	B		P	1	7.2	0.13
7440-62-2	VANADIUM, TOTAL	6.0			P	1	1.8	0.30
7440-66-6	ZINC, TOTAL	0.97	B		P	1	1.8	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:** C03V-12ER-24-0804

Matrix: SOIL **SDG Name:** WU2568

Percent Solids: 89.3 **Lab Sample ID:** WU2568-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	724			P	1	25	1.51
7440-36-0	ANTIMONY, TOTAL	0.20	U		P	1	0.67	0.20
7440-38-2	ARSENIC, TOTAL	0.79			P	1	0.67	0.26
7440-39-3	BARIUM, TOTAL	5.4			P	1	0.42	0.04
7440-41-7	BERYLLIUM, TOTAL	0.11	B		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.33	U		P	1	0.84	0.33
7440-70-2	CALCIUM, TOTAL	214000			P	10	42	18.01
7440-47-3	CHROMIUM, TOTAL	4.7			P	1	1.3	0.07
7440-48-4	COBALT, TOTAL	0.46	B		P	1	2.5	0.37
7440-50-8	COPPER, TOTAL	1.5	B		P	1	2.1	0.16
7439-89-6	IRON, TOTAL	520			P	1	8.4	0.43
7439-92-1	LEAD, TOTAL	0.74			P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	1660			P	1	4.2	2.08
7439-96-5	MANGANESE, TOTAL	21.1			P	1	0.42	0.10
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.033	0.01
7440-02-0	NICKEL, TOTAL	1.8	B		P	1	3.4	0.91
7440-09-7	POTASSIUM, TOTAL	91.9			P	1	84	20.03
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.84	0.31
7440-22-4	SILVER, TOTAL	0.24	U		P	1	1.3	0.24
7440-23-5	SODIUM, TOTAL	189			P	1	84	1.61
7440-28-0	THALLIUM, TOTAL	0.48	B		P	1	1.3	0.34
7440-31-5	TIN, TOTAL	2.4	B		P	1	8.4	0.15
7440-62-2	VANADIUM, TOTAL	4.9			P	1	2.1	0.35
7440-66-6	ZINC, TOTAL	1.1	B		P	1	2.1	0.12

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2568-1
Report Date: 27-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2568

Sample Description	Matrix	Date Sampled	Date Received
C03V-12ER-06-0804	SL	18-AUG-04	19-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	94. %	.1	CLP SOW 788	WG9411	25-AUG-04	JF	CLP SOW 788	24-AUG-04	JF	

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2568-2
Report Date: 27-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2568

Sample Description	Matrix	Date Sampled	Date Received
C03V-12ER-12-0804	SL	18-AUG-04	19-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	93. %	.1	CLP SOW 788	WG9411	25-AUG-04	JF	CLP SOW 788	24-AUG-04	JF	

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2568-3
Report Date: 27-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2568

Sample Description	Matrix	Date Sampled	Date Received
C03V-12ER-24-0804	SL	18-AUG-04	19-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	89. %	.1	CLP SOW 788	WG9411	25-AUG-04	JF	CLP SOW 788	24-AUG-04	JF	

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG WU2568

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-12ER-12-0804	WU2568-002	NM	08/18/2004	08/20/2004	08/20/2004	2	0	2
HG	MG/KG	C03V-12ER-24-0804	WU2568-003	NM	08/18/2004	08/20/2004	08/20/2004	2	0	2
HG	MG/KG	C03V-12ER-06-0804	WU2568-001	NM	08/18/2004	08/20/2004	08/20/2004	2	0	2
M	MG/KG	C03V-12ER-24-0804	WU2568-003	NM	08/18/2004	08/20/2004	08/31/2004	2	11	13
M	MG/KG	C03V-12ER-06-0804	WU2568-001	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
M	MG/KG	C03V-12ER-06-0804	WU2568-001	NM	08/18/2004	08/20/2004	08/25/2004	2	5	7
M	MG/KG	C03V-12ER-06-0804	WU2568-001	NM	08/18/2004	08/20/2004	08/31/2004	2	11	13
M	MG/KG	C03V-12ER-12-0804	WU2568-002	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
M	MG/KG	C03V-12ER-12-0804	WU2568-002	NM	08/18/2004	08/20/2004	08/25/2004	2	5	7
M	MG/KG	C03V-12ER-12-0804	WU2568-002	NM	08/18/2004	08/20/2004	08/31/2004	2	11	13
M	MG/KG	C03V-12ER-24-0804	WU2568-003	NM	08/18/2004	08/20/2004	08/25/2004	2	5	7
M	MG/KG	C03V-12ER-24-0804	WU2568-003	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
TS	%	C03V-12ER-24-0804	WU2568-3	NM	08/18/2004	08/24/2004	08/25/2004	6	1	7
TS	%	C03V-12ER-06-0804	WU2568-1	NM	08/18/2004	08/24/2004	08/25/2004	6	1	7
TS	%	C03V-12ER-12-0804	WU2568-2	NM	08/18/2004	08/24/2004	08/25/2004	6	1	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03V-12ER-06-0804	WU2568-1	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
PCB	%	C03V-12ER-12-0804	WU2568-2	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
PCB	%	C03V-12ER-24-0804	WU2568-3	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
PCB	UG/KG	C03V-12ER-06-0804	WU2568-1	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
PCB	UG/KG	C03V-12ER-12-0804	WU2568-2	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6
PCB	UG/KG	C03V-12ER-24-0804	WU2568-3	NM	08/18/2004	08/20/2004	08/24/2004	2	4	6

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS | Contact: Chuck Bryan | Phone #: (803) 649-7963 | Fax #: (803) 642-8454

Address: 900 Trail Ridge Road | City: Aiken | State: SC | Zip Code: 29803

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): Shonda C. Sumpter | Copies To:

LAB USE ONLY | WORK ORDER #: WM2568 | KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N TAL Metals	Filt. ☐Y ☐N TCL PCB	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	C03V-12ER-06-0804	18 Aug 04 / 1336	SO	1	X	X								
	C03V-12ER-12-0804													
	C03V-12ER-24-0804													

SCS 18 Aug 04

COMMENTS

7 day turn around

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	18 Aug 04 1409	8/19/04 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 SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

S-COC1

ORIGINAL

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2568

Sample Receipt

The following samples were received on August 19, 2004 and were logged in under Katahdin Analytical Services work order number WU2568 for a hardcopy due date of August 25, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2568-1	C03V-12ER-06-0804
WU2568-2	C03V-12ER-12-0804
WU2568-3	C03V-12ER-24-0804

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 Analysis

The samples of Work Order WU2568 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8082 Analysis

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

Metals Analysis

The samples of Katahdin Work Order WU2568 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)

Soil-matrix Katahdin Sample Nos. WU2568-(1-3) were digested for ICP analysis on 08/20/04 (QC Batch UH20ICS0) in accordance with USEPA Method 3050B. The measured calcium concentration (0.0898 mg/L, corresponding to a dry-weight concentration of 8.98 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of Work Order WU2568 sample digestates were performed using a Thermo Jarrell Ash (TJA) and a TJA 61E ICP spectrometer in accordance with USEPA Method 6010B. ICP-MS analyses of Work Order WU2568 sample digestates were performed using an Agilent 7500 ICP-MS spectrometer in accordance with USEPA Method 6020. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2568-(1-3) were digested for mercury analysis on 08/20/04 (QC Batch UH20HGS0) in accordance with USEPA Method 7471A.

Mercury analyses of Katahdin Work Order WU2568 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Wet Chemistry Analysis

The samples of Katahdin Work Order WU2568 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

Maria Crouch
09.02.04
Maria Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WU2568 **SOW No.** SW846

Client Field ID	Lab Sample ID
C03V-12ER-06-0804	WU2568-001
C03V-12ER-12-0804	WU2568-002
C03V-12ER-24-0804	WU2568-003

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: Deborah J. Nadeau Name: Deborah J. Nadeau

Date: 9.2.04 Title: Lab Operations Manager

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH20ICS0

Matrix: SOIL **SDG Name:** WU2568

QC Batch ID: UH20ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ALUMINUM	3.635	B
ANTIMONY	0.043	B
ARSENIC	0.022	B
BARIUM	0.050	U
BERYLLIUM	0.030	U
CADMIUM	0.400	U
CALCIUM	8.981	
CHROMIUM	0.186	B
COBALT	0.440	U
COPPER	-0.294	B
IRON	1.092	B
LEAD	0.283	B
MAGNESIUM	-2.930	B
MANGANESE	0.120	U
NICKEL	1.080	U
POTASSIUM	-34.102	B
SELENIUM	-0.014	B
SILVER	0.280	U
SODIUM	8.389	B
THALLIUM	0.281	B
TIN	3.067	B
VANADIUM	-0.718	B
ZINC	0.639	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH20HGS0

Matrix: SOIL **SDG Name:** WU2568

QC Batch ID: UH20HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: ICB

File: AUH31A Aug 31, 2004 13:17

Analyte	Result	C
ALUMINUM	33.83	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	-4.55	B
CHROMIUM	0.82	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 14:24

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	3.13	U
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 15:45

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	3.13	U
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: CCB

File: AUH31A Aug 31, 2004 17:05

Analyte	Result	C
ALUMINUM	-26.15	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	4.09	B
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 18:30

Analyte	Result	C
ALUMINUM	-76.35	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	12.35	B
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
THALLIUM	4.47	B
TIN	1.79	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: ICB

File: BUH23A Aug 23, 2004 15:06

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	-1.21	B
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	2.84	U
SODIUM	19.10	U
VANADIUM	-4.84	B
ZINC	1.44	U

SAMPLE: CCB

File: BUH23A Aug 23, 2004 15:40

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.71	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	2.84	U
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH23A Aug 23, 2004 16:47

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-3.98	B
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-508.14	B
SILVER	-3.05	B
SODIUM	19.10	U
VANADIUM	-4.84	B
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: CCB
File: BUH23A Aug 23, 2004 17:55

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-3.86	B
IRON	5.69	B
MAGNESIUM	-24.70	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-474.38	B
SILVER	2.84	U
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB
File: BUH23A Aug 23, 2004 19:04

Analyte	Result	C
ALUMINUM	44.98	B
BARIUM	0.53	U
BERYLLIUM	0.64	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	12.33	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	2.84	U
SODIUM	59.58	B
VANADIUM	4.14	U
ZINC	2.86	B

SAMPLE: CCB
File: BUH23A Aug 23, 2004 20:11

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.36	B
CADMIUM	3.97	U
CALCIUM	-34.25	B
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-440.54	B
SILVER	2.84	U
SODIUM	38.44	B
VANADIUM	-4.93	B
ZINC	2.00	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: CCB
File: BUH23A Aug 23, 2004 21:19

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-5.12	B
IRON	5.05	U
MAGNESIUM	-39.83	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-977.79	B
SILVER	-4.57	B
SODIUM	49.83	B
VANADIUM	-4.84	B
ZINC	1.94	B

SAMPLE: CCB
File: BUH23A Aug 23, 2004 22:27

Analyte	Result	C
ALUMINUM	21.06	B
BARIUM	0.53	U
BERYLLIUM	0.34	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-2.46	B
IRON	5.75	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-405.80	B
SILVER	2.84	U
SODIUM	51.15	B
VANADIUM	4.14	U
ZINC	3.13	B

SAMPLE: CCB
File: BUH23A Aug 23, 2004 23:34

Analyte	Result	C
ALUMINUM	37.00	B
BARIUM	0.53	U
BERYLLIUM	0.71	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	12.57	B
MAGNESIUM	35.96	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	389.28	B
SILVER	2.84	U
SODIUM	43.55	B
VANADIUM	4.14	U
ZINC	3.82	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: CCB

File: BUH23A Aug 24, 2004 0:42

Analyte	Result	C
ALUMINUM	18.33	B
BARIUM	0.53	U
BERYLLIUM	0.55	B
CADMIUM	3.97	U
CALCIUM	-22.00	B
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	279.23	B
SILVER	2.84	U
SODIUM	52.39	B
VANADIUM	-6.46	B
ZINC	4.01	B

SAMPLE: CCB

File: BUH23A Aug 24, 2004 1:22

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.41	B
CADMIUM	3.97	U
CALCIUM	-27.26	B
COBALT	4.36	U
COPPER	-3.49	B
IRON	5.05	U
MAGNESIUM	-29.27	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-588.48	B
SILVER	-5.52	B
SODIUM	37.59	B
VANADIUM	-4.93	B
ZINC	2.64	B

SAMPLE: CCB

File: BUH23A Aug 24, 2004 2:18

Analyte	Result	C
ALUMINUM	47.79	B
BARIUM	0.53	U
BERYLLIUM	0.69	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	8.82	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	367.50	B
SILVER	2.84	U
SODIUM	66.62	B
VANADIUM	4.14	U
ZINC	3.57	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: ICB

File: BUH24A Aug 24, 2004 16:07

Analyte	Result	C
ALUMINUM	43.07	B
BARIUM	0.60	B
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	2.85	B
IRON	5.05	U
MAGNESIUM	29.39	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	840.76	B
SILVER	7.43	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 16:41

Analyte	Result	C
ALUMINUM	34.58	B
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	3.71	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 17:12

Analyte	Result	C
ALUMINUM	53.27	B
BARIUM	1.00	B
BERYLLIUM	0.31	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	7.58	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	248.87	B
SILVER	4.79	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: CCB

File: BUH24A Aug 24, 2004 18:20

Analyte	Result	C
ALUMINUM	55.70	B
BARIUM	1.00	B
BERYLLIUM	0.32	B
CADMIUM	3.97	U
CALCIUM	32.68	B
COBALT	4.36	U
COPPER	1.91	U
IRON	7.22	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	7.86	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 19:28

Analyte	Result	C
ALUMINUM	46.01	B
BARIUM	1.00	B
BERYLLIUM	0.42	B
CADMIUM	3.97	U
CALCIUM	24.25	B
COBALT	4.36	U
COPPER	1.91	U
IRON	10.06	B
MAGNESIUM	37.51	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	324.16	B
SILVER	4.79	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 20:35

Analyte	Result	C
ALUMINUM	58.37	B
BARIUM	0.81	B
BERYLLIUM	0.68	B
CADMIUM	3.97	U
CALCIUM	29.55	B
COBALT	4.36	U
COPPER	1.91	U
IRON	11.90	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-291.75	B
SILVER	6.37	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: CCB

File: BUH24A Aug 24, 2004 21:43

Analyte	Result	C
ALUMINUM	31.71	B
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	3.94	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 22:51

Analyte	Result	C
ALUMINUM	33.96	B
BARIUM	0.60	B
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-2.28	B
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-362.67	B
SILVER	4.80	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 24, 2004 23:58

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.33	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	8.05	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	2.84	U
SODIUM	-24.03	B
VANADIUM	4.14	U
ZINC	1.44	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: CCB

File: BUH24A Aug 25, 2004 1:06

Analyte	Result	C
ALUMINUM	24.65	B
BARIUM	0.53	U
BERYLLIUM	0.38	B
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	-2.26	B
IRON	8.98	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	-337.39	B
SILVER	2.84	U
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH24A Aug 25, 2004 2:14

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SILVER	2.84	U
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: ICB

File: HUH20E Aug 20, 2004 16:45

Analyte	Result	C
MERCURY	0.01	U

SAMPLE: CCB

File: HUH20E Aug 20, 2004 17:16

Analyte	Result	C
MERCURY	0.01	U

SAMPLE: CCB

File: HUH20E Aug 20, 2004 17:37

Analyte	Result	C
MERCURY	0.01	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: ICB

File: FUH24A Aug 24, 2004 18:57

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.05	B
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	4.59	U
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	0.52	B
POTASSIUM	-14.15	B
SELENIUM	0.12	U
SODIUM	6.53	U
THALLIUM	0.10	U
TIN	0.03	U

SAMPLE: CCB

File: FUH24A Aug 24, 2004 20:07

Analyte	Result	C
ALUMINUM	5.06	B
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	5.36	B
LEAD	0.03	U
MAGNESIUM	7.87	B
MOLYBDENUM	3.04	B
POTASSIUM	4.57	U
SELENIUM	0.12	U
SODIUM	33.59	B
THALLIUM	0.14	B
TIN	0.03	U

SAMPLE: CCB

File: FUH24A Aug 24, 2004 20:22

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	4.59	U
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	1.38	B
POTASSIUM	-10.66	B
SELENIUM	0.12	U
SODIUM	18.56	B
THALLIUM	0.17	B
TIN	0.03	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: CCB

File: FUH24A Aug 24, 2004 21:32

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	6.54	B
LEAD	0.03	U
MAGNESIUM	5.48	B
MOLYBDENUM	0.48	B
POTASSIUM	-7.96	B
SELENIUM	0.12	U
SODIUM	8.37	B
THALLIUM	0.24	B
TIN	0.03	U

SAMPLE: CCB

File: FUH24A Aug 24, 2004 23:05

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	4.59	U
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	0.30	B
POTASSIUM	-10.73	B
SELENIUM	0.12	U
SODIUM	8.01	B
THALLIUM	0.22	B
TIN	0.03	U

SAMPLE: CCB

File: FUH24A Aug 25, 2004 0:38

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	4.59	U
LEAD	0.03	U
MAGNESIUM	4.70	U
MOLYBDENUM	0.24	B
POTASSIUM	-13.52	B
SELENIUM	-0.13	B
SODIUM	6.53	U
THALLIUM	0.23	B
TIN	0.03	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Concentration Units: ug/L

SAMPLE: CCB

File: FUH24A Aug 25, 2004 2:11

Analyte	Result	C
ALUMINUM	4.96	U
ANTIMONY	0.02	U
ARSENIC	0.15	U
CALCIUM	9.92	U
CHROMIUM	0.26	U
IRON	6.77	B
LEAD	0.03	U
MAGNESIUM	6.91	B
MOLYBDENUM	3.00	B
POTASSIUM	-5.37	B
SELENIUM	0.12	U
SODIUM	35.83	B
THALLIUM	0.23	B
TIN	0.03	U

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	2.34	P
ARSENIC	8.0	3.03	P
CHROMIUM	15	0.80	P
LEAD	5.0	1.70	P
SELENIUM	10	3.71	P
THALLIUM	15	4.09	P
TIN	100	1.79	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	17.90	P
BARIUM	5.0	0.53	P
BERYLLIUM	5.0	0.27	P
CADMIUM	10	3.97	P
CALCIUM	50	21.40	P
COBALT	30	4.36	P
COPPER	25	1.91	P
IRON	100	5.05	P
MAGNESIUM	50	24.70	P
MANGANESE	5.0	1.17	P
NICKEL	40	10.80	P
POTASSIUM	1000	238.00	P
SILVER	15	2.84	P
SODIUM	1000	19.10	P
VANADIUM	25	4.14	P
ZINC	25	1.44	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** F

Instrument Name: AGILENT 7500 ICP-MS **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	0.02	MS
ARSENIC	8.0	0.15	MS
CHROMIUM	15	0.26	MS
LEAD	5.0	0.03	MS
SELENIUM	10	0.12	MS
THALLIUM	15	0.10	MS
TIN	100	0.03	MS

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 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
TIN	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
TIN	0.10	1000	MS
VANADIUM	0.10	1000	MS
ZINC	0.10	250	MS

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH20ICS0

Matrix: SOIL **SDG Name:** WU2568

Method: P **Prep Date:** 08/20/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH20ICS0	LCSOUH20ICS0	1	0.1
PBSUH20ICS0	PBSUH20ICS0	1	0.1
C03V-12ER-06-0804	WU2568-001	1.25	0.1
C03V-12ER-12-0804	WU2568-002	1.48	0.1
C03V-12ER-24-0804	WU2568-003	1.33	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH20HGS0

Matrix: SOIL **SDG Name:** WU2568

Method: CV **Prep Date:** 08/20/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH20HGS0	LCSOUH20HGS0	0.6	0.1
PBSUH20HGS0	PBSUH20HGS0	0.6	0.1
C03V-12ER-06-0804	WU2568-001	0.7	0.1
C03V-12ER-12-0804	WU2568-002	0.69	0.1
C03V-12ER-24-0804	WU2568-003	0.67	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: TJA TRACE ICP **File Name:** AUH31A

Date: 8/31/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	12:27	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
S1		1	12:34	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
AL IEC		1	12:43	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
FE IEC		1	12:50	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
MN IEC		1	12:57	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
IEC		1	13:03	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
ICV		1	13:10	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
ICB		1	13:17	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
PQL		1	13:24	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
CRI		1	13:30	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
ICSA		1	13:37	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
ICSAB		1	14:02	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
ICSAB		1	14:09	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
CCV		1	14:18	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
CCB		1	14:24	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
ZZZZZZ		1	14:31					
ZZZZZZ		1	14:38					
ZZZZZZ		1	14:44					
ZZZZZZ		5	14:51					
ZZZZZZ		1	14:58					
ZZZZZZ		1	15:04					
ZZZZZZ		1	15:11					
ZZZZZZ		1	15:18					
ZZZZZZ		1	15:24					
ZZZZZZ		1	15:31					
CCV		1	15:38	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
CCB		1	15:45	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
ZZZZZZ		1	15:51					
ZZZZZZ		1	15:58					
ZZZZZZ		1	16:05					
ZZZZZZ		1	16:11					
ZZZZZZ		1	16:18					
ZZZZZZ		5	16:25					
ZZZZZZ		1	16:31					
ZZZZZZ		1	16:38					
ZZZZZZ		1	16:45					
ZZZZZZ		1	16:51					
CCV		1	16:58	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
CCB		1	17:05	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
ZZZZZZ		1	17:12					
WU2568-001	C03V-12ER-06-0804	1	17:18	Sb As	Cr	Pb	Se	Tl Sn
WU2568-002	C03V-12ER-12-0804	1	17:25	Sb As	Cr	Pb	Se	Tl Sn
WU2568-003	C03V-12ER-24-0804	1	17:32	Sb As	Cr	Pb	Se	Tl Sn
ZZZZZZ		1	17:43					
ZZZZZZ		1	17:50					
ZZZZZZ		1	17:56					
CRI		1	18:03	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
ICSA		1	18:10	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
ICSAB		1	18:16	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn
CCV		1	18:23	Al Sb As	Ca Cr	Fe Pb Mg	Se	Tl Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: TJA TRACE ICP **File Name:** AUH31A

Date: 8/31/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements							
CCB		1	18:30	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Tl	Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: TJA 61 ICP **File Name:** BUH23A

Date: 8/23/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements										
S0		1	14:32	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
S1		1	14:38	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
AL IEC		1	14:43	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
FE IEC		1	14:52	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICV		1	15:00	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICB		1	15:06	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
PQL		1	15:11	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CRI		1	15:17	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSA		1	15:23	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSAB		1	15:28	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCV		1	15:34	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	15:40	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		1	15:45																
ZZZZZZ		1	15:51																
ZZZZZZ		1	15:56																
ZZZZZZ		1	16:02																
ZZZZZZ		1	16:08																
ZZZZZZ		1	16:13																
ZZZZZZ		1	16:19																
ZZZZZZ		1	16:25																
ZZZZZZ		1	16:30																
ZZZZZZ		1	16:36																
CCV		1	16:41	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	16:47	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		1	16:53																
ZZZZZZ		1	16:58																
ZZZZZZ		1	17:04																
ZZZZZZ		1	17:10																
ZZZZZZ		1	17:15																
ZZZZZZ		1	17:21																
ZZZZZZ		1	17:27																
ZZZZZZ		1	17:32																
ZZZZZZ		1	17:38																
ZZZZZZ		1	17:43																
CCV		1	17:49	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	17:55	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		1	18:00																
ZZZZZZ		1	18:06																
ZZZZZZ		1	18:13																
ZZZZZZ		1	18:19																
ZZZZZZ		5	18:24																
ZZZZZZ		1	18:30																
ZZZZZZ		1	18:36																
CRI		1	18:41	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSA		1	18:47	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSAB		1	18:52	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCV		1	18:58	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	19:04	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ZZZZZZ		1	19:09																
ZZZZZZ		1	19:15																

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: TJA 61 ICP **File Name:** BUH23A

Date: 8/23/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
ZZZZZZ		1	19:21										
ZZZZZZ		1	19:26										
ZZZZZZ		10	19:32										
ZZZZZZ		10	19:38										
ZZZZZZ		10	19:43										
ZZZZZZ		10	19:49										
ZZZZZZ		10	19:54										
ZZZZZZ		10	20:00										
CCV		1	20:06	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	20:11	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		10	20:17										
ZZZZZZ		10	20:23										
ZZZZZZ		10	20:28										
ZZZZZZ		10	20:34										
ZZZZZZ		10	20:40										
ZZZZZZ		10	20:45										
ZZZZZZ		10	20:51										
ZZZZZZ		50	20:56										
ZZZZZZ		10	21:02										
ZZZZZZ		10	21:08										
CCV		1	21:13	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	21:19	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		10	21:25										
ZZZZZZ		10	21:30										
ZZZZZZ		10	21:36										
ZZZZZZ		10	21:42										
ZZZZZZ		1	21:47										
ZZZZZZ		1	21:53										
ZZZZZZ		1	21:59										
CRI		1	22:04	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ICSA		1	22:10	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ICSAB		1	22:15	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCV		1	22:21	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	22:27	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		5	22:32										
ZZZZZZ		1	22:38										
ZZZZZZ		1	22:44										
ZZZZZZ		1	22:49										
ZZZZZZ		1	22:55										
ZZZZZZ		1	23:01										
ZZZZZZ		1	23:06										
ZZZZZZ		1	23:12										
ZZZZZZ		1	23:18										
ZZZZZZ		5	23:23										
CCV		1	23:29	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	23:34	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		1	23:40										
ZZZZZZ		1	23:46										
ZZZZZZ		1	23:51										
ZZZZZZ		1	23:57										
ZZZZZZ		1	0:03										

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: TJA 61 ICP **File Name:** BUH23A

Date: 8/24/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
ZZZZZZ		1	0:08										
ZZZZZZ		1	0:14										
ZZZZZZ		1	0:20										
ZZZZZZ		1	0:25										
ZZZZZZ		1	0:31										
CCV		1	0:37	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	0:42	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		1	0:48										
ZZZZZZ		1	0:54										
ZZZZZZ		1	0:59										
ZZZZZZ		1	1:05										
ZZZZZZ		1	1:10										
CCV		1	1:16	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	1:22	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
PBSUH20ICS0		1	1:27	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
LCSOUH20ICS0		1	1:33	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		1	1:39										
ZZZZZZ		1	1:44										
ZZZZZZ		1	1:50										
CRI		1	1:56	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ICSA		1	2:01	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ICSAB		1	2:07	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCV		1	2:13	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	2:18	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: TJA 61 ICP **File Name:** BUH24A

Date: 8/24/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
S0		1	15:34	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
S1		1	15:39	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
AL IEC		1	15:45	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
FE IEC		1	15:53	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICV		1	16:02	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICB		1	16:07	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
PQL		1	16:13	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CRI		1	16:19	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICSA		1	16:24	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICSAB		1	16:30	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCV		1	16:35	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCB		1	16:41	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ZZZZZZ		10	16:47										
ZZZZZZ		10	16:52										
ZZZZZZ		10	16:58										
CCV		1	17:07	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCB		1	17:12	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ZZZZZZ		10	17:18										
ZZZZZZ		10	17:24										
ZZZZZZ		10	17:29										
ZZZZZZ		10	17:35										
ZZZZZZ		1	17:41										
ZZZZZZ		1	17:46										
ZZZZZZ		1	17:52										
ZZZZZZ		5	17:57										
ZZZZZZ		1	18:03										
ZZZZZZ		1	18:09										
CCV		1	18:14	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCB		1	18:20	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ZZZZZZ		1	18:26										
ZZZZZZ		1	18:31										
ZZZZZZ		1	18:37										
WU2568-001	C03V-12ER-06-0804	1	18:43	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn
WU2568-002	C03V-12ER-12-0804	1	18:48	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn
WU2568-003	C03V-12ER-24-0804	1	18:54	Al	Ba	Be	Cd		Co	Cu	Fe	Mg	Mn
ZZZZZZ		1	18:59										
ZZZZZZ		5	19:05										
ZZZZZZ		1	19:11										
ZZZZZZ		1	19:16										
CCV		1	19:22	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
CCB		1	19:28	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ZZZZZZ		1	19:33										
ZZZZZZ		1	19:39										
ZZZZZZ		1	19:45										
ZZZZZZ		1	19:50										
ZZZZZZ		1	19:56										
ZZZZZZ		1	20:01										
ZZZZZZ		1	20:07										
CRI		1	20:13	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn
ICSA		1	20:18	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn

Lab Sample ID	Elements										
S0	Ni	K	Ag	Na	V	Zn					
S1	Ni	K	Ag	Na	V	Zn					
AL IEC	Ni	K	Ag	Na	V	Zn					
FE IEC	Ni	K	Ag	Na	V	Zn					
ICV	Ni	K	Ag	Na	V	Zn					
ICB	Ni	K	Ag	Na	V	Zn					
PQL	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					
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					
WU2568-001	Ni	K	Ag	Na	V	Zn					
WU2568-002	Ni	K	Ag	Na	V	Zn					
WU2568-003	Ni	K	Ag	Na	V	Zn					
CCV	Ni	K	Ag	Na	V	Zn					
CCB	Ni	K	Ag	Na	V	Zn					
CRI	Ni	K	Ag	Na	V	Zn					
ICSA	Ni	K	Ag	Na	V	Zn					

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: TJA 61 ICP **File Name:** BUH24A

Date: 8/24/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
ICSAB		1	20:24	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCV		1	20:30	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	20:35	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		1	20:41										
ZZZZZZ		1	20:47										
ZZZZZZ		1	20:52										
ZZZZZZ		1	20:58										
ZZZZZZ		1	21:03										
ZZZZZZ		1	21:09										
ZZZZZZ		5	21:15										
ZZZZZZ		1	21:20										
ZZZZZZ		1	21:26										
ZZZZZZ		1	21:32										
CCV		1	21:37	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	21:43	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		1	21:49										
ZZZZZZ		1	21:54										
ZZZZZZ		1	22:00										
ZZZZZZ		1	22:05										
ZZZZZZ		1	22:11										
ZZZZZZ		1	22:17										
ZZZZZZ		1	22:22										
ZZZZZZ		1	22:28										
ZZZZZZ		10	22:34										
ZZZZZZ		10	22:39										
CCV		1	22:45	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	22:51	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ZZZZZZ		10	22:56										
ZZZZZZ		50	23:02										
ZZZZZZ		10	23:08										
ZZZZZZ		10	23:13										
ZZZZZZ		10	23:19										
ZZZZZZ		10	23:24										
ZZZZZZ		10	23:30										
CRI		1	23:36	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ICSA		1	23:41	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
ICSAB		1	23:47	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCV		1	23:53	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	23:58	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
WU2568-001	C03V-12ER-06-0804	10	0:04			Ca							
WU2568-002	C03V-12ER-12-0804	10	0:10			Ca							
WU2568-003	C03V-12ER-24-0804	10	0:15			Ca							
ZZZZZZ		1	0:21										
ZZZZZZ		1	0:26										
ZZZZZZ		2	0:32										
ZZZZZZ		1	0:38										
ZZZZZZ		1	0:43										
ZZZZZZ		1	0:49										
ZZZZZZ		1	0:55										
CCV		1	1:00	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		
CCB		1	1:06	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Ag Na	V Zn		

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: TJA 61 ICP **File Name:** BUH24A

Date: 8/25/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements										
ZZZZZZ		1	1:12											
ZZZZZZ		1	1:17											
ZZZZZZ		1	1:23											
ZZZZZZ		1	1:29											
ZZZZZZ		1	1:34											
ZZZZZZ		1	1:40											
ZZZZZZ		1	1:46											
CRI		1	1:51	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSA		1	1:57	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
ICSAB		1	2:02	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCV		1	2:08	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn
CCB		1	2:14	Al	Ba	Be	Cd	Ca	Co	Cu	Fe	Mg	Mn	Ni	K	Ag	Na	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FUH24A

Date: 8/24/04 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements								
Cal Blank		1	18:04	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Cal Std 1		1	18:11	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Cal Std 2		1	18:19	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Cal Std 3		1	18:27	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Cal Std 4		1	18:34	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Blank		1	18:42	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ICV		1	18:50	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ICB		1	18:57	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
PQL		1	19:05	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ZZZZZZ		1	19:13									
Blank		1	19:21	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CRI		5	19:28	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ICSA		1	19:36	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ICSAB		1	19:44	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Blank		1	19:52	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCV		1	19:59	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCB		1	20:07	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCV		1	20:15	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCB		1	20:22	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ZZZZZZ		5	20:30									
ZZZZZZ		10	20:38									
PBSUH20ICS0		5	20:46	Sb As	Cr	Pb		Se		Tl Sn		
LCSOUH20ICS0		10	20:53	Sb As	Cr	Pb		Se		Tl Sn		
ZZZZZZ		5	21:01									
ZZZZZZ		5	21:09									
ZZZZZZ		5	21:17									
CCV		1	21:24	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCB		1	21:32	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ZZZZZZ		5	21:40									
ZZZZZZ		10	21:48									
ZZZZZZ		1	21:55									
ZZZZZZ		5	22:03									
ZZZZZZ		5	22:11									
ZZZZZZ		5	22:19									
ZZZZZZ		10	22:26									
ZZZZZZ		10	22:34									
ZZZZZZ		5	22:42									
ZZZZZZ		5	22:50									
CCV		1	22:57	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCB		1	23:05	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ZZZZZZ		5	23:13									
ZZZZZZ		10	23:21									
ZZZZZZ		20	23:28									
ZZZZZZ		5	23:36									
ZZZZZZ		5	23:44									
ZZZZZZ		5	23:52									
ZZZZZZ		5	23:59									
ZZZZZZ		10	0:07									
ZZZZZZ		1	0:15									
ZZZZZZ		5	0:23									

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: AGILENT 7500 ICP-MS **File Name:** FUH24A

Date: 8/25/04 **Method:** MS

Lab Sample ID	Client ID	D.F.	Time	Elements								
CCV		1	0:30	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCB		1	0:38	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ZZZZZZ		5	0:46									
ZZZZZZ		5	0:54									
ZZZZZZ		5	1:01									
ZZZZZZ		25	1:09									
ZZZZZZ		10	1:17									
ZZZZZZ		10	1:25									
CRI		1	1:33	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ICSA		1	1:40	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
ICSAB		1	1:48	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
Blank		1	1:56	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCV		1	2:03	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		
CCB		1	2:11	Al Sb As	Ca Cr	Fe Pb Mg	Mo	K Se	Na	Tl Sn		

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2568

Instrument ID: CETAC M6100 **File Name:** HUH20E

Date: 8/20/04 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	16:30	Hg
Standard #1 (0.2 p		1	16:32	Hg
Standard #2 (0.5 p		1	16:34	Hg
Standard #3 (1.0 p		1	16:36	Hg
Standard #4 (5.0 p		1	16:39	Hg
Standard #5 (10.0		1	16:41	Hg
ICV		1	16:43	HG
ICB		1	16:45	HG
CRA		1	16:52	HG
LCSOUH20HGS0		1	16:54	HG
PBSUH20HGS0		1	16:57	HG
ZZZZZZ		1	16:59	
ZZZZZZ		1	17:01	
ZZZZZZ		1	17:03	
ZZZZZZ		1	17:05	
ZZZZZZ		1	17:07	
WU2568-001	C03V-12ER-06-0804	1	17:09	HG
WU2568-002	C03V-12ER-12-0804	1	17:11	HG
CCV		1	17:14	HG
CCB		1	17:16	HG
WU2568-003	C03V-12ER-24-0804	1	17:18	HG
ZZZZZZ		1	17:20	
ZZZZZZ		1	17:22	
ZZZZZZ		1	17:24	
ZZZZZZ		1	17:26	
ZZZZZZ		1	17:28	
ZZZZZZ		1	17:31	
ZZZZZZ		1	17:33	
CCV		1	17:35	HG
CCB		1	17:37	HG

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 9, 2004**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- SVOC/PEST/PCB CTO 349, NAS KEY WEST SDG WU2604**		
SAMPLES:	3/Soil		

C03V-BF01-0804 C03V-BF02-0804 C03V-BF03-0804

OVERVIEW

The sample set for CTO 349, NAS Key West, SDG WU2604 consists of three (3) environmental soil samples. All samples were analyzed for semivolatile organic compounds (SVOC), pesticides (PEST), and polychlorinated biphenyls (PCB).

The samples were collected by TetraTech NUS on August 20, 2004 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 SW-846 Methods 8270C, 8081A, and 8082 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- * Data completeness
- * Holding times
- * Initial and continuing calibration
- Surrogate recovery
- * Laboratory method and field quality control blank results
- 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. Results as reported by the laboratory are presented in Appendix B.

Semivolatile

The laboratory reported all samples in the SVOC fraction with the suffix "RA". This normally means that a re-analysis was performed on the samples, however, the validator could not find an original analysis. There was nothing noted in the laboratory case narrative indicating that a re-analysis was performed. The validator removed the "RA" suffix from all samples. No qualifications were made on this basis.

Pesticide

No qualifications were assigned to this fraction.

PCB

No qualifications were assigned to this fraction.

Notes

Positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: None.

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

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

Bernard F. Spada III

Tetra Tech NUS
Bernard F. Spada III
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration 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: 0693

SDG: WU2604 MEDIA: SOIL DATA FRACTION: OS

nsample	C03V-BF01-0804	nsample	C03V-BF01-0804	nsample	C03V-BF01-0804
samp_date	8/20/2004	samp_date	8/20/2004	samp_date	8/20/2004
lab_id	WU2604-1RA	lab_id	WU2604-1RA	lab_id	WU2604-1RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	84.4	Pct_Solids	84.4	Pct_Solids	84.4
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	U	
2,4-DINITROTOLUENE	390	U	
2,6-DINITROTOLUENE	390	U	
2-CHLORONAPHTHALENE	390	U	
2-CHLOROPHENOL	390	U	
2-METHYLNAPHTHALENE	390	U	
2-METHYLPHENOL	390	U	
2-NITROANILINE	970	U	
2-NITROPHENOL	390	U	
3,3'-DICHLOROBENZIDINE	390	U	
3-NITROANILINE	970	U	
4,6-DINITRO-2-METHYLPHENOL	970	U	
4-BROMOPHENYL PHENYL ETHER	390	U	
4-CHLORO-3-METHYLPHENOL	390	U	
4-CHLOROANILINE	390	U	
4-CHLOROPHENYL PHENYL ETHER	390	U	
4-METHYLPHENOL	390	U	
4-NITROANILINE	970	U	
4-NITROPHENOL	970	U	
ACENAPHTHENE	390	U	
ACENAPHTHYLENE	390	U	
ACETOPHENONE	390	U	
ANTHRACENE	390	U	
ATRAZINE	390	U	
BENZALDEHYDE	390	U	
BENZO(A)ANTHRACENE	390	U	

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

Parameter	Result	Val Qual	Qual Code
PYRENE	390	U	

PROJ_NO: 0693

SDG: WU2604 MEDIA: SOIL DATA FRACTION: OS

nsample	C03V-BF02-0804	nsample	C03V-BF02-0804	nsample	C03V-BF02-0804
samp_date	8/20/2004	samp_date	8/20/2004	samp_date	8/20/2004
lab_id	WU2604-2RA	lab_id	WU2604-2RA	lab_id	WU2604-2RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	96.4	Pct_Solids	96.4	Pct_Solids	96.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	340	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	340	U	
2,4,5-TRICHLOROPHENOL	850	U	
2,4,6-TRICHLOROPHENOL	340	U	
2,4-DICHLOROPHENOL	340	U	
2,4-DIMETHYLPHENOL	340	U	
2,4-DINITROPHENOL	850	U	
2,4-DINITROTOLUENE	340	U	
2,6-DINITROTOLUENE	340	U	
2-CHLORONAPHTHALENE	340	U	
2-CHLOROPHENOL	340	U	
2-METHYLNAPHTHALENE	340	U	
2-METHYLPHENOL	340	U	
2-NITROANILINE	850	U	
2-NITROPHENOL	340	U	
3,3'-DICHLOROBENZIDINE	340	U	
3-NITROANILINE	850	U	
4,6-DINITRO-2-METHYLPHENOL	850	U	
4-BROMOPHENYL PHENYL ETHER	340	U	
4-CHLORO-3-METHYLPHENOL	340	U	
4-CHLOROANILINE	340	U	
4-CHLOROPHENYL PHENYL ETHER	340	U	
4-METHYLPHENOL	340	U	
4-NITROANILINE	850	U	
4-NITROPHENOL	850	U	
ACENAPHTHENE	340	U	
ACENAPHTHYLENE	340	U	
ACETOPHENONE	340	U	
ANTHRACENE	340	U	
ATRAZINE	340	U	
BENZALDEHYDE	340	U	
BENZO(A)ANTHRACENE	340	U	

Parameter	Result	Val Qual	Qual Code
BENZO(A)PYRENE	340	U	
BENZO(B)FLUORANTHENE	340	U	
BENZO(G,H,I)PERYLENE	340	U	
BENZO(K)FLUORANTHENE	340	U	
BIS(2-CHLOROETHOXY)METHANE	340	U	
BIS(2-CHLOROETHYL)ETHER	340	U	
BIS(2-ETHYLHEXYL)PHTHALATE	340	U	
BUTYL BENZYL PHTHALATE	340	U	
CAPROLACTAM	340	U	
CARBAZOLE	340	U	
CHRYSENE	340	U	
DIBENZO(A,H)ANTHRACENE	340	U	
DIBENZOFURAN	340	U	
DIETHYL PHTHALATE	340	U	
DIMETHYL PHTHALATE	340	U	
DI-N-BUTYL PHTHALATE	340	U	
DI-N-OCTYL PHTHALATE	340	U	
FLUORANTHENE	340	U	
FLUORENE	340	U	
HEXACHLOROBENZENE	340	U	
HEXACHLOROBUTADIENE	340	U	
HEXACHLOROCYCLOPENTADIENE	340	U	
HEXACHLOROETHANE	340	U	
INDENO(1,2,3-CD)PYRENE	340	U	
ISOPHORONE	340	U	
NAPHTHALENE	340	U	
NITROBENZENE	340	U	
N-NITROSO-DI-N-PROPYLAMINE	340	U	
N-NITROSODIPHENYLAMINE	340	U	
PENTACHLOROPHENOL	850	U	
PHENANTHRENE	340	U	
PHENOL	340	U	

Parameter	Result	Val Qual	Qual Code
PYRENE	340	U	

PROJ_NO: 0693

SDG: WU2604 MEDIA: SOIL DATA FRACTION: OS

nsample	C03V-BF03-0804	nsample	C03V-BF03-0804	nsample	C03V-BF03-0804
samp_date	8/20/2004	samp_date	8/20/2004	samp_date	8/20/2004
lab_id	WU2604-3RA	lab_id	WU2604-3RA	lab_id	WU2604-3RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	86.8	Pct_Solids	86.8	Pct_Solids	86.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	380	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	380	U	
2,4,5-TRICHLOROPHENOL	940	U	
2,4,6-TRICHLOROPHENOL	380	U	
2,4-DICHLOROPHENOL	380	U	
2,4-DIMETHYLPHENOL	380	U	
2,4-DINITROPHENOL	940	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	940	U	
2-NITROPHENOL	380	U	
3,3'-DICHLOROBENZIDINE	380	U	
3-NITROANILINE	940	U	
4,6-DINITRO-2-METHYLPHENOL	940	U	
4-BROMOPHENYL PHENYL ETHER	380	U	
4-CHLORO-3-METHYLPHENOL	380	U	
4-CHLOROANILINE	380	U	
4-CHLOROPHENYL PHENYL ETHER	380	U	
4-METHYLPHENOL	380	U	
4-NITROANILINE	940	U	
4-NITROPHENOL	940	U	
ACENAPHTHENE	380	U	
ACENAPHTHYLENE	380	U	
ACETOPHENONE	380	U	
ANTHRACENE	380	U	
ATRAZINE	380	U	
BENZALDEHYDE	380	U	
BENZO(A)ANTHRACENE	380	U	

Parameter	Result	Val Qual	Qual Code
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	39	J	P
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	120	J	P
FLUORANTHENE	380	U	
FLUORENE	380	U	
HEXACHLOROBENZENE	380	U	
HEXACHLOROBUTADIENE	380	U	
HEXACHLOROCYCLOPENTADIENE	380	U	
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	
N-NITROSODIPHENYLAMINE	380	U	
PENTACHLOROPHENOL	940	U	
PHENANTHRENE	380	U	
PHENOL	380	U	

Parameter	Result	Val Qual	Qual Code
PYRENE	380	U	

PROJ_NO: 0693

SDG: WU2604 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03V-BF01-0804	nsample	C03V-BF02-0804	nsample	C03V-BF03-0804
samp_date	8/20/2004	samp_date	8/20/2004	samp_date	8/20/2004
lab_id	WU2604-1	lab_id	WU2604-2	lab_id	WU2604-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	84.4	Pct_Solids	96.4	Pct_Solids	86.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	3.9	U	
4,4'-DDE	3.9	U	
4,4'-DDT	3.9	U	
ALDRIN	2	U	
ALPHA-BHC	2	U	
ALPHA-CHLORDANE	2	U	
AROCLOR-1016	20	U	
AROCLOR-1221	20	U	
AROCLOR-1232	20	U	
AROCLOR-1242	20	U	
AROCLOR-1248	20	U	
AROCLOR-1254	20	U	
AROCLOR-1260	20	U	
BETA-BHC	2	U	
DELTA-BHC	2	U	
DIELDRIN	3.9	U	
ENDOSULFAN I	2	U	
ENDOSULFAN II	3.9	U	
ENDOSULFAN SULFATE	3.9	U	
ENDRIN	3.9	U	
ENDRIN ALDEHYDE	3.9	U	
ENDRIN KETONE	3.9	U	
GAMMA-BHC (LINDANE)	2	U	
GAMMA-CHLORDANE	2	U	
HEPTACHLOR	2	U	
HEPTACHLOR EPOXIDE	2	U	
METHOXYCHLOR	20	U	
TOXAPHENE	39	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	3.4	U	
4,4'-DDE	3.4	U	
4,4'-DDT	3.4	U	
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	1.8	U	
AROCLOR-1016	18	U	
AROCLOR-1221	18	U	
AROCLOR-1232	18	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	18	U	
BETA-BHC	1.8	U	
DELTA-BHC	1.8	U	
DIELDRIN	3.4	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	3.4	U	
ENDOSULFAN SULFATE	3.4	U	
ENDRIN	3.4	U	
ENDRIN ALDEHYDE	3.4	U	
ENDRIN KETONE	3.4	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	1.8	U	
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	18	U	
TOXAPHENE	34	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	3.8	U	
4,4'-DDE	3.8	U	
4,4'-DDT	3.8	U	
ALDRIN	2	U	
ALPHA-BHC	2	U	
ALPHA-CHLORDANE	2	U	
AROCLOR-1016	20	U	
AROCLOR-1221	20	U	
AROCLOR-1232	20	U	
AROCLOR-1242	20	U	
AROCLOR-1248	20	U	
AROCLOR-1254	20	U	
AROCLOR-1260	20	U	
BETA-BHC	2	U	
DELTA-BHC	2	U	
DIELDRIN	3.8	U	
ENDOSULFAN I	2	U	
ENDOSULFAN II	3.8	U	
ENDOSULFAN SULFATE	3.8	U	
ENDRIN	3.8	U	
ENDRIN ALDEHYDE	3.8	U	
ENDRIN KETONE	3.8	U	
GAMMA-BHC (LINDANE)	2	U	
GAMMA-CHLORDANE	2	U	
HEPTACHLOR	2	U	
HEPTACHLOR EPOXIDE	2	U	
METHOXYCHLOR	20	U	
TOXAPHENE	38	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 84.4

Lab ID: WU2604-1RA
Client ID: C03V-BF01-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: JLP
Analysis Method: SW846 8270C
Lab Prep Batch: WG9390
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	390	1.0	330	390	0.00
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
95-48-7	2-Methylphenol	U	390	1.0	330	390	24
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	390	1.0	330	390	19
98-96-2	Acetophenone	U	390	1.0	330	390	0.00
106-44-5	4-Methylphenol	U	390	1.0	330	390	23
621-64-7	N-Nitroso-di-n-propylamine	U	390	1.0	330	390	18
67-72-1	Hexachloroethane	U	390	1.0	330	390	13
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
105-60-2	Caprolactam	U	390	1.0	330	390	0.00
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
92-52-4	1,1'-Biphenyl	U	390	1.0	330	390	0.00
91-58-7	2-Chloronaphthalene	U	390	1.0	330	390	18
88-74-4	2-Nitroaniline	U	970	1.0	820	970	16
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
208-96-8	Acenaphthylene	U	390	1.0	330	390	14
99-09-2	3-Nitroaniline	U	970	1.0	820	970	55
83-32-9	Acenaphthene	U	390	1.0	330	390	20
51-28-5	2,4-Dinitrophenol	U	970	1.0	820	970	100
100-02-7	4-Nitrophenol	U	970	1.0	820	970	82
132-64-9	Dibenzofuran	U	390	1.0	330	390	13
121-14-2	2,4-Dinitrotoluene	U	390	1.0	330	390	13
84-66-2	Diethylphthalate	U	390	1.0	330	390	16
86-73-7	Fluorene	U	390	1.0	330	390	20
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	85
86-30-6	N-Nitrosodiphenylamine	U	390	1.0	330	390	36

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 84.4

Lab ID: WU2604-1RA
Client ID: C03V-BF01-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: JLP
Analysis Method: SW846 8270C
Lab Prep Batch: WG9390
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	390	1.0	330	390	20
118-74-1	Hexachlorobenzene	U	390	1.0	330	390	24
1912-24-9	Atrazine	U	390	1.0	330	390	0.00
87-86-5	Pentachlorophenol	U	970	1.0	820	970	75
85-01-8	Phenanthrene	U	390	1.0	330	390	19
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	U	390	1.0	330	390	30
85-68-7	Butylbenzylphthalate	U	390	1.0	330	390	26
91-94-1	3,3'-Dichlorobenzidine	U	390	1.0	330	390	75
56-55-3	Benzo(a)anthracene	U	390	1.0	330	390	20
218-01-9	Chrysene	U	390	1.0	330	390	21
117-81-7	bis(2-Ethylhexyl)phthalate	U	390	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
367-12-4	2-Fluorophenol		84%				
13127-88-3	Phenol-D6		86%				
4165-60-0	Nitrobenzene-D5		74%				
321-60-8	2-Fluorobiphenyl		83%				
118-79-6	2,4,6-Tribromophenol		85%				
1718-51-0	Terphenyl-D14		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 96.4

Lab ID: WU2604-2RA
Client ID: C03V-BF02-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: JLP
Analysis Method: SW846 8270C
Lab Prep Batch: WG9390
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	340	1.0	330	340	0.00
108-95-2	Phenol	U	340	1.0	330	340	24
111-44-4	Bis(2-Chloroethyl)ether	U	340	1.0	330	340	18
95-57-8	2-Chlorophenol	U	340	1.0	330	340	22
95-48-7	2-Methylphenol	U	340	1.0	330	340	21
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	340	1.0	330	340	17
98-96-2	Acetophenone	U	340	1.0	330	340	0.00
106-44-5	4-Methylphenol	U	340	1.0	330	340	20
621-64-7	N-Nitroso-di-n-propylamine	U	340	1.0	330	340	15
67-72-1	Hexachloroethane	U	340	1.0	330	340	11
98-95-3	Nitrobenzene	U	340	1.0	330	340	17
78-59-1	Isophorone	U	340	1.0	330	340	10
88-75-5	2-Nitrophenol	U	340	1.0	330	340	28
105-67-9	2,4-Dimethylphenol	U	340	1.0	330	340	41
111-91-1	Bis(2-Chloroethoxy)methane	U	340	1.0	330	340	16
120-83-2	2,4-Dichlorophenol	U	340	1.0	330	340	23
91-20-3	Naphthalene	U	340	1.0	330	340	12
106-47-8	4-Chloroaniline	U	340	1.0	330	340	12
87-68-3	Hexachlorobutadiene	U	340	1.0	330	340	12
105-60-2	Caprolactam	U	340	1.0	330	340	0.00
59-50-7	4-Chloro-3-Methylphenol	U	340	1.0	330	340	31
91-57-6	2-Methylnaphthalene	U	340	1.0	330	340	14
77-47-4	Hexachlorocyclopentadiene	U	340	1.0	330	340	17
88-06-2	2,4,6-Trichlorophenol	U	340	1.0	330	340	32
95-95-4	2,4,5-Trichlorophenol	U	850	1.0	820	850	30
92-52-4	1,1'-Biphenyl	U	340	1.0	330	340	0.00
91-58-7	2-Chloronaphthalene	U	340	1.0	330	340	15
88-74-4	2-Nitroaniline	U	850	1.0	820	850	14
131-11-3	Dimethyl Phthalate	U	340	1.0	330	340	77
606-20-2	2,6-Dinitrotoluene	U	340	1.0	330	340	14
208-96-8	Acenaphthylene	U	340	1.0	330	340	12
99-09-2	3-Nitroaniline	U	850	1.0	820	850	48
83-32-9	Acenaphthene	U	340	1.0	330	340	17
51-28-5	2,4-Dinitrophenol	U	850	1.0	820	850	88
100-02-7	4-Nitrophenol	U	850	1.0	820	850	72
132-64-9	Dibenzofuran	U	340	1.0	330	340	12
121-14-2	2,4-Dinitrotoluene	U	340	1.0	330	340	12
84-66-2	Diethylphthalate	U	340	1.0	330	340	14
86-73-7	Fluorene	U	340	1.0	330	340	17
7005-72-3	4-Chlorophenyl-phenylether	U	340	1.0	330	340	18
100-01-6	4-Nitroaniline	U	850	1.0	820	850	58
534-52-1	4,6-Dinitro-2-Methylphenol	U	850	1.0	820	850	75
86-30-6	N-Nitrosodiphenylamine	U	340	1.0	330	340	32

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 96.4

Lab ID: WU2604-2RA
Client ID: C03V-BF02-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: JLP
Analysis Method: SW846 8270C
Lab Prep Batch: WG9390
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	340	1.0	330	340	17
118-74-1	Hexachlorobenzene	U	340	1.0	330	340	21
1912-24-9	Atrazine	U	340	1.0	330	340	0.00
87-86-5	Pentachlorophenol	U	850	1.0	820	850	66
85-01-8	Phenanthrene	U	340	1.0	330	340	16
120-12-7	Anthracene	U	340	1.0	330	340	15
86-74-8	Carbazole	U	340	1.0	330	340	20
84-74-2	Di-n-butylphthalate	U	340	1.0	330	340	71
206-44-0	Fluoranthene	U	340	1.0	330	340	19
129-00-0	Pyrene	U	340	1.0	330	340	27
85-68-7	Butylbenzylphthalate	U	340	1.0	330	340	23
91-94-1	3,3'-Dichlorobenzidine	U	340	1.0	330	340	66
56-55-3	Benzo(a)anthracene	U	340	1.0	330	340	17
218-01-9	Chrysene	U	340	1.0	330	340	19
117-81-7	bis(2-Ethylhexyl)phthalate	U	340	1.0	330	340	27
117-84-0	Di-n-octylphthalate	U	340	1.0	330	340	17
205-99-2	Benzo(b)fluoranthene	U	340	1.0	330	340	13
207-08-9	Benzo(k)fluoranthene	U	340	1.0	330	340	22
50-32-8	Benzo(a)pyrene	U	340	1.0	330	340	17
193-39-5	Indeno(1,2,3-cd)pyrene	U	340	1.0	330	340	20
53-70-3	Dibenzo(a,h)anthracene	U	340	1.0	330	340	22
191-24-2	Benzo(g,h,i)perylene	U	340	1.0	330	340	23
367-12-4	2-Fluorophenol		91%				
13127-88-3	Phenol-D6		94%				
4165-60-0	Nitrobenzene-D5		83%				
321-60-8	2-Fluorobiphenyl		92%				
118-79-6	2,4,6-Tribromophenol		91%				
1718-51-0	Terphenyl-D14		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 86.8

Lab ID: WU2604-3RA
Client ID: C03V-BF03-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: JLP
Analysis Method: SW846 8270C
Lab Prep Batch: WG9390
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	380	1.0	330	380	0.00
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
95-48-7	2-Methylphenol	U	380	1.0	330	380	24
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	380	1.0	330	380	19
98-96-2	Acetophenone	U	380	1.0	330	380	0.00
106-44-5	4-Methylphenol	U	380	1.0	330	380	22
621-64-7	N-Nitroso-di-n-propylamine	U	380	1.0	330	380	17
67-72-1	Hexachloroethane	U	380	1.0	330	380	13
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
105-60-2	Caprolactam	U	380	1.0	330	380	0.00
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	940	1.0	820	940	33
92-52-4	1,1'-Biphenyl	U	380	1.0	330	380	0.00
91-58-7	2-Chloronaphthalene	U	380	1.0	330	380	17
88-74-4	2-Nitroaniline	U	940	1.0	820	940	16
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
208-96-8	Acenaphthylene	U	380	1.0	330	380	14
99-09-2	3-Nitroaniline	U	940	1.0	820	940	54
83-32-9	Acenaphthene	U	380	1.0	330	380	19
51-28-5	2,4-Dinitrophenol	U	940	1.0	820	940	97
100-02-7	4-Nitrophenol	U	940	1.0	820	940	80
132-64-9	Dibenzofuran	U	380	1.0	330	380	13
121-14-2	2,4-Dinitrotoluene	U	380	1.0	330	380	13
84-66-2	Diethylphthalate	U	380	1.0	330	380	16
86-73-7	Fluorene	U	380	1.0	330	380	19
7005-72-3	4-Chlorophenyl-phenylether	U	380	1.0	330	380	20
100-01-6	4-Nitroaniline	U	940	1.0	820	940	64
534-52-1	4,6-Dinitro-2-Methylphenol	U	940	1.0	820	940	83
86-30-6	N-Nitrosodiphenylamine	U	380	1.0	330	380	35

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 86.8

Lab ID: WU2604-3RA
Client ID: C03V-BF03-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: JLP
Analysis Method: SW846 8270C
Lab Prep Batch: WG9390
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	380	1.0	330	380	19
118-74-1	Hexachlorobenzene	U	380	1.0	330	380	23
1912-24-9	Atrazine	U	380	1.0	330	380	0.00
87-86-5	Pentachlorophenol	U	940	1.0	820	940	73
85-01-8	Phenanthrene	U	380	1.0	330	380	18
120-12-7	Anthracene	U	380	1.0	330	380	16
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	U	380	1.0	330	380	21
129-00-0	Pyrene	U	380	1.0	330	380	30
85-68-7	Butylbenzylphthalate	U	380	1.0	330	380	26
91-94-1	3,3'-Dichlorobenzidine	U	380	1.0	330	380	73
56-55-3	Benzo(a)anthracene	U	380	1.0	330	380	19
218-01-9	Chrysene	U	380	1.0	330	380	21
117-81-7	bis(2-Ethylhexyl)phthalate	J	39	1.0	330	380	30
117-84-0	Di-n-octylphthalate	J	120	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	24
191-24-2	Benzo(g,h,i)perylene	U	380	1.0	330	380	26
367-12-4	2-Fluorophenol		76%				
13127-88-3	Phenol-D6		80%				
4165-60-0	Nitrobenzene-D5		65%				
321-60-8	2-Fluorobiphenyl		73%				
118-79-6	2,4,6-Tribromophenol		78%				
1718-51-0	Terphenyl-D14		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 84.4

Lab ID: WU2604-1
Client ID: C03V-BF01-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: LAD
Analysis Method: SW846 8081A
Lab Prep Batch: WG9392
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
959-98-8	Endosulfan I	U	2.0	1.0	1.7	2.0	1.00
319-84-6	alpha-BHC	U	2.0	1.0	1.7	2.0	0.88
58-89-9	gamma BHC	U	2.0	1.0	1.7	2.0	0.86
319-85-7	beta-BHC	U	2.0	1.0	1.7	2.0	0.85
319-86-8	delta-BHC	U	2.0	1.0	1.7	2.0	1.1
76-44-8	Heptachlor	U	2.0	1.0	1.7	2.0	0.71
309-00-2	Aldrin	U	2.0	1.0	1.7	2.0	1.2
1024-57-3	Heptachlor Epoxide	U	2.0	1.0	1.7	2.0	0.91
5103-74-2	gamma-Chlordane	U	2.0	1.0	1.7	2.0	1.0
5103-71-9	alpha-Chlordane	U	2.0	1.0	1.7	2.0	1.4
72-55-9	4,4'-DDE	U	3.9	1.0	3.3	3.9	1.7
50-29-3	4,4'-DDT	U	3.9	1.0	3.3	3.9	1.1
60-57-1	Dieldrin	U	3.9	1.0	3.3	3.9	1.3
8001-35-2	Toxaphene	U	39	1.0	33	39	2.0
72-20-8	Endrin	U	3.9	1.0	3.3	3.9	0.83
72-54-8	4,4'-DDD	U	3.9	1.0	3.3	3.9	1.3
33213-65-9	Endosulfan II	U	3.9	1.0	3.3	3.9	1.1
7421-36-3	Endrin Aldehyde	U	3.9	1.0	3.3	3.9	0.94
72-43-5	Methoxychlor	U	20	1.0	17	20	0.95
1031-07-8	Endosulfan sulfate	U	3.9	1.0	3.3	3.9	0.90
53494-70-5	Endrin Ketone	U	3.9	1.0	3.3	3.9	1.1
877-09-8	Tetrachloro-m-Xylene		79%				
2051-24-3	Decachlorobiphenyl		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 96.4

Lab ID: WU2604-2
Client ID: C03V-BF02-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: LAD
Analysis Method: SW846 8081A
Lab Prep Batch: WG9392
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
959-98-8	Endosulfan I	U	1.8	1.0	1.7	1.8	0.87
319-84-6	alpha-BHC	U	1.8	1.0	1.7	1.8	0.77
58-89-9	gamma BHC	U	1.8	1.0	1.7	1.8	0.76
319-85-7	beta-BHC	U	1.8	1.0	1.7	1.8	0.75
319-86-8	delta-BHC	U	1.8	1.0	1.7	1.8	1.00
76-44-8	Heptachlor	U	1.8	1.0	1.7	1.8	0.62
309-00-2	Aldrin	U	1.8	1.0	1.7	1.8	1.1
1024-57-3	Heptachlor Epoxide	U	1.8	1.0	1.7	1.8	0.80
5103-74-2	gamma-Chlordane	U	1.8	1.0	1.7	1.8	0.91
5103-71-9	alpha-Chlordane	U	1.8	1.0	1.7	1.8	1.3
72-55-9	4,4'-DDE	U	3.4	1.0	3.3	3.4	1.5
50-29-3	4,4'-DDT	U	3.4	1.0	3.3	3.4	0.94
60-57-1	Dieldrin	U	3.4	1.0	3.3	3.4	1.1
8001-35-2	Toxaphene	U	34	1.0	33	34	1.7
72-20-8	Endrin	U	3.4	1.0	3.3	3.4	0.73
72-54-8	4,4'-DDD	U	3.4	1.0	3.3	3.4	1.1
33213-65-9	Endosulfan II	U	3.4	1.0	3.3	3.4	0.93
7421-36-3	Endrin Aldehyde	U	3.4	1.0	3.3	3.4	0.82
72-43-5	Methoxychlor	U	18	1.0	17	18	0.83
1031-07-8	Endosulfan sulfate	U	3.4	1.0	3.3	3.4	0.79
53494-70-5	Endrin Ketone	U	3.4	1.0	3.3	3.4	0.98
877-09-8	Tetrachloro-m-Xylene		73%				
2051-24-3	Decachlorobiphenyl		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 86.8

Lab ID: WU2604-3
Client ID: C03V-BF03-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: LAD
Analysis Method: SW846 8081A
Lab Prep Batch: WG9392
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
959-98-8	Endosulfan I	U	2.0	1.0	1.7	2.0	0.97
319-84-6	alpha-BHC	U	2.0	1.0	1.7	2.0	0.85
58-89-9	gamma BHC	U	2.0	1.0	1.7	2.0	0.84
319-85-7	beta-BHC	U	2.0	1.0	1.7	2.0	0.83
319-86-8	delta-BHC	U	2.0	1.0	1.7	2.0	1.1
76-44-8	Heptachlor	U	2.0	1.0	1.7	2.0	0.69
309-00-2	Aldrin	U	2.0	1.0	1.7	2.0	1.2
1024-57-3	Heptachlor Epoxide	U	2.0	1.0	1.7	2.0	0.89
5103-74-2	gamma-Chlordane	U	2.0	1.0	1.7	2.0	1.0
5103-71-9	alpha-Chlordane	U	2.0	1.0	1.7	2.0	1.4
72-55-9	4,4'-DDE	U	3.8	1.0	3.3	3.8	1.6
50-29-3	4,4'-DDT	U	3.8	1.0	3.3	3.8	1.0
60-57-1	Dieldrin	U	3.8	1.0	3.3	3.8	1.2
8001-35-2	Toxaphene	U	38	1.0	33	38	1.9
72-20-8	Endrin	U	3.8	1.0	3.3	3.8	0.81
72-54-8	4,4'-DDD	U	3.8	1.0	3.3	3.8	1.2
33213-65-9	Endosulfan II	U	3.8	1.0	3.3	3.8	1.0
7421-36-3	Endrin Aldehyde	U	3.8	1.0	3.3	3.8	0.91
72-43-5	Methoxychlor	U	20	1.0	17	20	0.92
1031-07-8	Endosulfan sulfate	U	3.8	1.0	3.3	3.8	0.88
53494-70-5	Endrin Ketone	U	3.8	1.0	3.3	3.8	1.1
877-09-8	Tetrachloro-m-Xylene		75%				
2051-24-3	Decachlorobiphenyl		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/26/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 84.4

Lab ID: WU2604-1
Client ID: C03V-BF01-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9394
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	20	1.0	17	20	12
11104-28-2	Aroclor-1221	U	20	1.0	17	20	9.7
11141-16-5	Aroclor-1232	U	20	1.0	17	20	6.2
53469-21-9	Aroclor-1242	U	20	1.0	17	20	8.0
12672-29-6	Aroclor-1248	U	20	1.0	17	20	9.8
11097-69-1	Aroclor-1254	U	20	1.0	17	20	5.6
11096-82-5	Aroclor-1260	U	20	1.0	17	20	10
877-09-8	Tetrachloro-m-xylene		78%				
2051-24-3	Decachlorobiphenyl		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/26/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 96.4

Lab ID: WU2604-2
Client ID: C03V-BF02-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9394
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	18	1.0	17	18	11
11104-28-2	Aroclor-1221	U	18	1.0	17	18	8.5
11141-16-5	Aroclor-1232	U	18	1.0	17	18	5.5
53469-21-9	Aroclor-1242	U	18	1.0	17	18	7.0
12672-29-6	Aroclor-1248	U	18	1.0	17	18	8.6
11097-69-1	Aroclor-1254	U	18	1.0	17	18	4.9
11096-82-5	Aroclor-1260	U	18	1.0	17	18	8.9
877-09-8	Tetrachloro-m-xylene		70%				
2051-24-3	Decachlorobiphenyl		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date: 08/20/04
Received Date: 08/21/04
Extraction Date: 08/24/04
Analysis Date: 08/26/04
Report Date: 08/27/2004
Matrix: SOIL
% Solids: 86.8

Lab ID: WU2604-3
Client ID: C03V-BF03-0804
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG9394
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	20	1.0	17	20	12
11104-28-2	Aroclor-1221	U	20	1.0	17	20	9.4
11141-16-5	Aroclor-1232	U	20	1.0	17	20	6.1
53469-21-9	Aroclor-1242	U	20	1.0	17	20	7.8
12672-29-6	Aroclor-1248	U	20	1.0	17	20	9.5
11097-69-1	Aroclor-1254	U	20	1.0	17	20	5.4
11096-82-5	Aroclor-1260	U	20	1.0	17	20	9.9
877-09-8	Tetrachloro-m-xylene		73%				
2051-24-3	Decachlorobiphenyl		92%				

APPENDIX C

SUPPORT DOCUMENTATION

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS | Contact: Chuck Bryan | Phone #: (803)649-7963 | Fax #: (803)642-8454

Address: 900 Trail Ridge Rd | City: Aiken | State: SC | Zip Code: 29803

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): SCOTT R. McGuire / Scott R. McGuire | Copies To:

LAB USE ONLY | WORK ORDER #: WU2604

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	SVOCs (Filt. ☐Y ☐N)	Pesticides + PCBs (Filt. ☐Y ☐N)	Metals (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
	C03V-BF01-0804	10/20/04/ 1100	SO	3	✓		✓								
	C03V-BF02-0804	10/20/04/ 1130	SO	3	✓		✓								
	C03V-BF03-0804	10/20/04/ 1200	SO	3	✓		✓								
		/													
		/													
		/													
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		/													
		/													
	SRM	/													

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Scott R. McGuire	10/20 2004 1545	Fed Ex		8/21/04 10:35	John T. Coulage
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

HOLDTIME

SDG WU2604

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-BF01-0804	WU2604-001	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
HG	MG/KG	C03V-BF02-0804	WU2604-002	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
HG	MG/KG	C03V-BF03-0804	WU2604-003	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
M	MG/KG	C03V-BF02-0804	WU2604-002	NM	08/20/2004	08/25/2004	08/25/2004	5	0	5
M	MG/KG	C03V-BF03-0804	WU2604-003	NM	08/20/2004	08/25/2004	09/01/2004	5	7	12
M	MG/KG	C03V-BF02-0804	WU2604-002	NM	08/20/2004	08/25/2004	09/01/2004	5	7	12
M	MG/KG	C03V-BF01-0804	WU2604-001	NM	08/20/2004	08/25/2004	08/31/2004	5	6	11
M	MG/KG	C03V-BF01-0804	WU2604-001	NM	08/20/2004	08/25/2004	08/25/2004	5	0	5
M	MG/KG	C03V-BF03-0804	WU2604-003	NM	08/20/2004	08/25/2004	08/25/2004	5	0	5
TS	%	C03V-BF01-0804	WU2604-1	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
TS	%	C03V-BF02-0804	WU2604-2	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
TS	%	C03V-BF03-0804	WU2604-3	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
OS	%	C03V-BF01-0804RA	WU2604-1RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
OS	%	C03V-BF02-0804RA	WU2604-2RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
OS	%	C03V-BF03-0804RA	WU2604-3RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	C03V-BF03-0804RA	WU2604-3RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
OS	UG/KG	C03V-BF01-0804RA	WU2604-1RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
OS	UG/KG	C03V-BF02-0804RA	WU2604-2RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PCB	%	C03V-BF02-0804	WU2604-2	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PCB	%	C03V-BF03-0804	WU2604-3	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PCB	%	C03V-BF01-0804	WU2604-1	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PCB	UG/KG	C03V-BF01-0804	WU2604-1	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PCB	UG/KG	C03V-BF02-0804	WU2604-2	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PCB	UG/KG	C03V-BF03-0804	WU2604-3	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PEST	%	C03V-BF01-0804	WU2604-1	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PEST	%	C03V-BF02-0804	WU2604-2	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PEST	%	C03V-BF03-0804	WU2604-3	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PEST	UG/KG	C03V-BF01-0804	WU2604-1	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PEST	UG/KG	C03V-BF02-0804	WU2604-2	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PEST	UG/KG	C03V-BF03-0804	WU2604-3	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2604

Sample Receipt

The following samples were received on August 21, 2004 and were logged in under Katahdin Analytical Services work order number WU2604 for a hardcopy due date of August 27, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2604-1	C03V-BF01-0804
WU2604-2	C03V-BF02-0804
WU2604-3	C03V-BF03-0804

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 Analysis

The samples of Work Order WU2604 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8270C Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The acceptance limits for the MS/MSD are for a short list of the spiked compounds. Katahdin standard operating procedure is not to take corrective action until greater than ten percent of the spiked analytes (with the exception of the common laboratory phthalate ester contaminants) in the LCS are outside of the QC limits.

The initial calibration analyzed on 8/24/04 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes benzaldehyde, 1,1'-biphenyl, 2-chloronaphthalene, 2,4-dinitrophenol, diethylphthalate, 4-chlorophenyl-phenylether, n-nitrosodiphenylamine, and the surrogate 2-fluorobiphenyl failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient being less than the method acceptance criteria of 0.990. These compounds were calibrated using the average model. Since none of the associated samples detected these target analytes above the PQL, the samples were not reanalyzed.

The calibration verification standard (CV) (file U8508) had a low response for the calibration check compound (CCC) acenaphthene, which resulted in a %D that was outside the method acceptance limit of 20%D. Since the associated samples did not detect any target analytes above the MDL, the samples were not reanalyzed. The laboratory control sample and laboratory control sample duplicate (WG9390-2RA and WG9390-3RA) may be biased low for this analyte.

8082 Analysis

There were no protocol deviations or observations noted by the organic laboratory staff for this analysis.

8081 Analysis

There were no protocol deviations or observations noted by the organic laboratory staff for this analysis.

Metals Analysis

The samples of Katahdin Work Order WU2604 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. WU2604-(1-3) were digested for ICP analysis on 08/25/04 (QC Batch UH25ICS0) in accordance with USEPA Method 3050B. The measured calcium concentration (0.0594 mg/L, corresponding to a dry-weight concentration of 5.94 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of Work Order WU2604 sample digestates were performed using a Thermo Jarrell Ash (TJA) and a TJA 61E ICP spectrometer in accordance with USEPA Method 6010B. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2604-(1-3) were digested for mercury analysis on 08/24/04 (QC Batch UH24HGS0) in accordance with USEPA Method 7471A.

Mercury analyses of Katahdin Work Order WU2604 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Wet Chemistry Analysis

The samples of Katahdin Work Order WU2604 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

Maria Crouch
09.03.04
Maria Crouch
Quality Assurance Officer

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

Lab File ID: UD788 DFTPP Injection Date: 08/24/04

Instrument ID: GCMS-U DFTPP Injection Time: 1219

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.9
68	Less than 2.0% of mass 69	0.4 (0.8)1
69	Less than 100.0% of mass 198	45.8
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.9
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	21.0
365	1.0 - 100.0% of mass 198	2.3
441	0.0 - 100.0% of mass 443	17.4 (89.2)2
442	40.0 - 100.0% of mass 198	99.7
443	17.0 - 23.0% of mass 442	19.5 (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		SSTD050U0824	U8483	08/24/04	1242
02		SSTD200U0824	U8484	08/24/04	1328
03		SSTD150U0824	U8485	08/24/04	1413
04		SSTD100U0824	U8486	08/24/04	1500
05		SSTD020U0824	U8487	08/24/04	1546
06		SSTD010U0824	U8488	08/24/04	1632
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FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 351 NAS KEY WEST SDG No.: WU2604

Instrument ID: GCMS-U Calibration Date(s): 08/24/04 08/24/04

Column: RTX-5SILMS ID: 0.25 (mm) Calibration Time(s): 1242 1632

LAB FILE ID: RF10: U8488 RF25: U8487 RF50: U8483
RF100: U8486 RF150: U8485 RF200: U8484

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Benzaldehyde	0.076	0.806	0.588	0.281	0.177	0.090	AVRG		0.33656375		88.209	15.000	<
Phenol	1.788	1.657	1.628	1.467	1.262	1.252	AVRG		1.50892586		14.596	15.000	
Bis(2-Chloroethyl)ether	1.446	1.277	1.226	1.136	1.037	1.019	AVRG		1.19013279		13.554	15.000	
2-Chlorophenol	1.310	1.213	1.215	1.107	1.028	1.008	AVRG		1.14696604		10.366	15.000	
2-Methylphenol	1.222	1.126	1.222	1.092	1.032	1.064	AVRG		1.12634594		7.123	15.000	
2,2'-Oxybis(1-Chloropropa	116180	286100	671640	1173700	1602300	2252000	LINR	-0.1406832	0.95990368		0.99723	0.99000	
Acetophenone	1.880	1.719	1.690	1.520	1.462	1.592	AVRG		1.64391314		9.205	15.000	
4-Methylphenol	1.278	1.206	1.233	1.139	1.031	0.998	AVRG		1.14745364		9.858	15.000	
N-Nitroso-di-n-propylamin	0.958	0.904	0.859	0.810	0.768	0.787	AVRG		0.84776810		8.686	15.000	
Hexachloroethane	0.558	0.518	0.502	0.448	0.416	0.404	AVRG		0.47443931		12.884	15.000	
Nitrobenzene	0.359	0.309	0.301	0.280	0.276	0.287	AVRG		0.30193920		10.127	15.000	
Isophorone	0.575	0.549	0.542	0.516	0.509	0.560	AVRG		0.54170954		4.719	15.000	
2-Nitrophenol	0.137	0.140	0.150	0.143	0.141	0.147	AVRG		0.14292941		3.247	15.000	
2,4-Dimethylphenol	0.293	0.268	0.282	0.264	0.254	0.261	AVRG		0.27022369		5.344	15.000	
Bis(2-Chloroethoxy)methan	0.424	0.389	0.379	0.353	0.337	0.348	AVRG		0.37147776		8.646	15.000	
2,4-Dichlorophenol	0.199	0.196	0.208	0.200	0.189	0.184	AVRG		0.19598484		4.456	15.000	
Naphthalene	283460	721470	1710200	2872800	3733100	4621400	2ORDR	3.89e-002	0.86673918	0.29237353	0.99914	0.99000	
4-Chloroaniline	0.340	0.329	0.339	0.318	0.306	0.298	AVRG		0.32164991		5.426	15.000	
Hexachlorobutadiene	32516	86037	215130	351230	438530	541900	2ORDR	6.819e-002	5.81595812	25.7869961	0.99898	0.99000	
Caprolactam	0.086	0.085	0.090	0.087	0.087	0.096	AVRG		8.874e-002		4.708	15.000	
4-Chloro-3-Methylphenol	0.232	0.226	0.232	0.224	0.224	0.236	AVRG		0.22879453		2.201	15.000	
2-Methylnaphthalene	0.664	0.613	0.519	0.613	0.568	0.532	AVRG		0.58498349		9.427	15.000	
Hexachlorocyclopentadiene	7661	42718	150160	307750	450030	604170	LINR	0.11346720	6.27717412		0.99733	0.99000	
2,4,6-Trichlorophenol	0.215	0.240	0.256	0.249	0.224	0.221	AVRG		0.23416947		7.152	15.000	
2,4,5-Trichlorophenol	0.222	0.257	0.277	0.268	0.246	0.232	AVRG		0.25058326		8.452	15.000	
1,1'-Biphenyl	1.304	1.301	1.205	0.966	0.776	0.576	AVRG		1.02157836		29.467	15.000	<
2-Chloronaphthalene	0.977	0.961	0.854	0.649	0.480	0.372	AVRG		0.71564122		35.643	15.000	<
2-Nitroaniline	0.248	0.264	0.262	0.266	0.260	0.289	AVRG		0.26484697		5.029	15.000	
Dimethyl Phthalate	164890	430010	984560	1459500	1701700	2108600	2ORDR	9.128e-002	0.30209280	0.57632389	0.99628	0.99000	
2,6-Dinitrotoluene	0.191	0.210	0.220	0.218	0.206	0.223	AVRG		0.21120622		5.610	15.000	
Acenaphthylene	248030	659600	1482600	2207700	2553200	3061400	2ORDR	0.12796550	6.705e-002	0.30117888	0.99377	0.99000	
3-Nitroaniline	0.185	0.237	0.247	0.224	0.192	0.169	AVRG		0.20900801		15.007	15.000	<
Acenaphthene	157550	399580	983820	1495900	1804700	2165100	2ORDR	0.11727670	0.30169155	0.52866073	0.99600	0.99000	
2,4-Dinitrophenol		0.040	0.076	0.092	0.103	0.121	AVRG		8.637e-002		35.751	15.000	<
4-Nitrophenol	2210	21923	70964	138010	211180	340870	2ORDR	9.003e-002	15.4478211	-9.2478663	0.99827	0.99000	
Dibenzofuran	1.242	1.242	1.203	1.082	0.963	0.919	AVRG		1.10857768		12.901	15.000	
2,4-Dinitrotoluene	0.246	0.280	0.301	0.288	0.287	0.302	AVRG		0.28383427		7.204	15.000	
Diethylphthalate	1.078	1.050	1.041	0.901	0.741	0.573	AVRG		0.89729117		22.604	15.000	<
Fluorene	0.983	1.007	0.960	0.846	0.755	0.688	AVRG		0.87310827		15.058	15.000	<
4-Chlorophenyl-phenylethe	0.427	0.421	0.425	0.368	0.286	0.225	AVRG		0.35870568		23.788	15.000	<
4-Nitroaniline	19832	83363	212440	381190	570750	881780	LINR	0.10588810	4.57616766		0.99458	0.99000	
4,6-Dinitro-2-Methylpheno	7529	40950	138100	264380	392750	489880	2ORDR	0.16029780	7.99495712	6.82268251	0.99349	0.99000	
N-Nitrosodiphenylamine	0.488	0.489	0.490	0.445	0.380	0.280	AVRG		0.42870150		19.685	15.000	<
4-Bromophenyl-phenylether	0.159	0.158	0.162	0.142	0.128	0.115	AVRG		0.14396220		13.370	15.000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 351 NAS KEY WEST SDG No.: WU2604

Instrument ID: GCMS-U Calibration Date(s): 08/24/04 08/24/04

Column: RTX-5SILMS ID: 0.25 (mm) Calibration Time(s): 1242 1632

LAB FILE ID: RF10: U8488 RF25: U8487 RF50: U8483
RF100: U8486 RF150: U8485 RF200: U8484

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Hexachlorobenzene	43151	114470	275200	430470	567280	722290	2ORDR	4.476e-002	3.77728613	6.35296936	0.99945	0.99000	
Atrazine	0.145	0.156	0.159	0.148	0.144	0.144	AVRG		0.14920453		4.354	15.000	
Pentachlorophenol	1607	21513	101390	200840	321460	511920	LINR	0.27338170	11.0457732		0.99070	0.99000	
Phenanthrene	0.915	0.883	0.872	0.759	0.690	0.645	AVRG		0.79425019		14.107	15.000	
Anthracene	0.899	0.893	0.873	0.774	0.691	0.648	AVRG		0.79654887		13.699	15.000	
Carbazole	0.757	0.742	0.750	0.693	0.638	0.632	AVRG		0.70207708		8.070	15.000	
Di-n-butylphthalate	1.189	1.246	1.208	1.044	0.942	0.839	AVRG		1.07803632		15.184	15.000	<
Fluoranthene	0.791	0.783	0.781	0.673	0.599	0.599	AVRG		0.70434610		13.114	15.000	
Pyrene	1.106	1.252	1.282	1.258	1.079	1.151	AVRG		1.18798588		7.317	15.000	
Butylbenzylphthalate	0.574	0.652	0.706	0.689	0.615	0.660	AVRG		0.64928796		7.489	15.000	
3,3'-Dichlorobenzidine	0.161	0.196	0.195	0.179	0.185	0.184	AVRG		0.18345012		6.960	15.000	
Benzo(a)anthracene	0.874	0.888	0.919	0.886	0.823	0.853	AVRG		0.87387291		3.768	15.000	
Chrysene	0.853	0.846	0.859	0.829	0.735	0.789	AVRG		0.81857622		5.856	15.000	
bis(2-Ethylhexyl)phthalat	0.811	0.906	1.002	0.942	0.850	0.856	AVRG		0.89452241		7.798	15.000	
Di-n-octylphthalate	163040	455780	1217200	1874100	2734800	3687600	2ORDR	8.165e-003	0.44174940	-7.43e-003	0.99574	0.99000	
Benzo(b)fluoranthene	99406	249720	640400	969130	1496300	2012500	2ORDR	-6.79e-003	0.84667154	-2.93e-002	0.99790	0.99000	
Benzo(k)fluoranthene	1.521	1.458	1.467	1.602	1.548	1.720	AVRG		1.55271813		6.291	15.000	
Benzo(a)pyrene	0.948	0.996	1.110	1.230	1.207	1.355	AVRG		1.14103499		13.430	15.000	
Indeno(1,2,3-cd)pyrene	0.826	0.891	0.981	1.180	1.136	1.174	AVRG		1.03149037		14.881	15.000	
Dibenzo(a,h)anthracene	59313	152100	367400	636520	985820	1136400	LINR	0.11769020	1.04277765		0.99805	0.99000	
Benzo(g,h,i)perylene	0.698	0.715	0.758	0.869	0.838	0.880	AVRG		0.79298355		10.045	15.000	
2-Fluorophenol	1.261	1.165	1.146	1.090	1.040	1.071	AVRG		1.12862191		7.066	15.000	
Phenol-D6	1.586	1.461	1.450	1.351	1.281	1.324	AVRG		1.40879366		7.939	15.000	
Nitrobenzene-D5	0.322	0.304	0.306	0.297	0.292	0.314	AVRG		0.30594870		3.641	15.000	
2-Fluorobiphenyl	1.076	1.070	1.006	0.893	0.745	0.605	AVRG		0.89914969		21.228	15.000	<
2,4,6-Tribromophenol	0.095	0.111	0.122	0.111	0.103	0.107	AVRG		0.10818792		8.276	15.000	
Terphenyl-D14	0.739	0.818	0.833	0.776	0.660	0.660	AVRG		0.74778044		10.071	15.000	

Average %RSD test result.

Calculate Average %RSD: 13.48320293
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

Lab File ID: UD790 DFTPP Injection Date: 08/27/04

Instrument ID: GCMS-U DFTPP Injection Time: 0849

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.7
68	Less than 2.0% of mass 69	0.3 (0.5)1
69	Less than 100.0% of mass 198	46.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	54.3
197	Less than 1.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	20.7
365	1.0 - 100.0% of mass 198	1.9
441	0.0 - 100.0% of mass 443	16.1 (89.4)2
442	40.0 - 100.0% of mass 198	94.0
443	17.0 - 23.0% of mass 442	18.0 (19.2)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD060U0827	U8508	08/27/04	0911
02	WG9390-BLANK	WG9390-1RA	U8509	08/27/04	1012
03	C03V-BF01-0804	WU2604-1RA	U8510	08/27/04	1059
04	C03V-BF02-0804	WU2604-2RA	U8511	08/27/04	1145
05	C03V-BF03-0804	WU2604-3RA	U8512	08/27/04	1232
06	WG9390-LCS	WG9390-2RA	U8513	08/27/04	1318
07	WG9390-LCSD	WG9390-3RA	U8514	08/27/04	1405
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

Instrument ID: GCMS-U Calibration Date: 08/27/04 Time: 0911

Lab File ID: U8508 Init. Calib. Date(s): 08/24/04 08/24/04

Init. Calib. Times: 1242 1632

GC Column: RTX-5SILMS 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
Benzaldehyde	0.3360000	0.5385700	0.5385700	0.01	60.29	100.00	AVRG
Phenol	1.5090000	1.5297000	1.5297000	0.01	1.37	20.00	AVRG
Bis(2-Chloroethyl)ether	1.1900000	1.1719000	1.1719000	0.01	-1.52	100.00	AVRG
2-Chlorophenol	1.1470000	1.1363000	1.1363000	0.01	-0.93	100.00	AVRG
2-Methylphenol	1.1260000	1.1304000	1.1304000	0.01	0.39	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	50.632000	50.000000	1.1722000	0.01	1.26	100.00	LINR
Acetophenone	1.6440000	1.5685000	1.5685000	0.01	-4.59	100.00	AVRG
4-Methylphenol	1.1480000	1.1122000	1.1122000	0.01	-3.12	100.00	AVRG
N-Nitroso-di-n-propylamine	0.8480000	0.8221300	0.8221300	0.05	-3.05	100.00	AVRG
Hexachloroethane	0.4740000	0.4827000	0.4827000	0.01	1.84	100.00	AVRG
Nitrobenzene	0.3020000	0.2807000	0.2807000	0.01	-7.05	100.00	AVRG
Isophorone	0.5420000	0.5096900	0.5096900	0.01	-5.96	100.00	AVRG
2-Nitrophenol	0.1430000	0.1413600	0.1413600	0.01	-1.15	20.00	AVRG
2,4-Dimethylphenol	0.2700000	0.2615400	0.2615400	0.01	-3.13	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.3720000	0.3548800	0.3548800	0.01	-4.60	100.00	AVRG
2,4-Dichlorophenol	0.1960000	0.1951000	0.1951000	0.01	-0.46	20.00	AVRG
Naphthalene	44.102000	50.000000	0.7466700	0.01	-11.80	100.00	2RDR
4-Chloroaniline	0.3220000	0.3147200	0.3147200	0.01	-2.26	100.00	AVRG
Hexachlorobutadiene	43.894000	50.000000	9.33e-002	0.01	-12.21	20.00	2RDR
Caprolactam	8.8e-002	8.62e-002	8.62e-002	0.01	-2.04	100.00	AVRG
4-Chloro-3-Methylphenol	0.2290000	0.2155900	0.2155900	0.01	-5.86	20.00	AVRG
2-Methylnaphthalene	0.5850000	0.4750500	0.4750500	0.01	-18.80	100.00	AVRG
Hexachlorocyclopentadiene	59.838000	50.000000	0.1761900	0.05	19.68	100.00	LINR
2,4,6-Trichlorophenol	0.2340000	0.2275400	0.2275400	0.01	-2.76	20.00	AVRG
2,4,5-Trichlorophenol	0.2500000	0.2489900	0.2489900	0.01	-0.40	100.00	AVRG
1,1'-Biphenyl	1.0210000	1.0348000	1.0348000	0.01	1.35	100.00	AVRG
2-Chloronaphthalene	0.7160000	0.7249400	0.7249400	0.01	1.25	100.00	AVRG
2-Nitroaniline	0.2650000	0.2346300	0.2346300	0.01	-11.46	100.00	AVRG
Dimethyl Phthalate	39.527000	50.000000	0.8101200	0.01	-20.95	100.00	2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

Instrument ID: GCMS-U Calibration Date: 08/27/04 Time: 0911

Lab File ID: U8508 Init. Calib. Date(s): 08/24/04 08/24/04

Init. Calib. Times: 1242 1632

GC Column: RTX-5SILMS 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	
2,6-Dinitrotoluene	0.2110000	0.1960800	0.1960800	0.01	-7.07	100.00	AVRG	
Acenaphthylene	37.543000	50.000000	1.2264000	0.01	-24.91	100.00	2RDR	
3-Nitroaniline	0.2090000	0.2257300	0.2257300	0.01	8.00	100.00	AVRG	
Acenaphthene	38.334000	50.000000	0.8063000	0.01	-23.33	20.00	2RDR	<-
2,4-Dinitrophenol	8.6e-002	8.76e-002	8.76e-002	0.05	1.86	100.00	AVRG	
4-Nitrophenol	52.071000	50.000000	6.6e-002	0.05	4.14	100.00	2RDR	
Dibenzofuran	1.1080000	1.0587000	1.0587000	0.01	-4.45	100.00	AVRG	
2,4-Dinitrotoluene	0.2840000	0.2693800	0.2693800	0.01	-5.15	100.00	AVRG	
Diethylphthalate	0.8970000	0.9022100	0.9022100	0.01	0.58	100.00	AVRG	
Fluorene	0.8730000	0.8463200	0.8463200	0.01	-3.06	100.00	AVRG	
4-Chlorophenyl-phenylether	0.3590000	0.3673300	0.3673300	0.01	2.32	100.00	AVRG	
4-Nitroaniline	48.167000	50.000000	0.1920000	0.01	-3.67	100.00	LINR	
4,6-Dinitro-2-Methylphenol	46.114000	50.000000	9.06e-002	0.01	-7.77	100.00	2RDR	
N-Nitrosodiphenylamine	0.4290000	0.4203400	0.4203400	0.01	-2.02	20.00	AVRG	
4-Bromophenyl-phenylether	0.1440000	0.1388200	0.1388200	0.01	-3.60	100.00	AVRG	
Hexachlorobenzene	41.050000	50.000000	0.1564300	0.01	-17.90	100.00	2RDR	
Atrazine	0.1490000	0.1361100	0.1361100	0.01	-8.65	100.00	AVRG	
Pentachlorophenol	50.696000	50.000000	7.2e-002	0.01	1.39	20.00	LINR	
Phenanthrene	0.7940000	0.7702000	0.7702000	0.01	-3.00	100.00	AVRG	
Anthracene	0.7960000	0.7842700	0.7842700	0.01	-1.47	100.00	AVRG	
Carbazole	0.7020000	0.6773700	0.6773700	0.01	-3.51	100.00	AVRG	
Di-n-butylphthalate	1.0780000	1.0374000	1.0374000	0.01	-3.77	100.00	AVRG	
Fluoranthene	0.7040000	0.6998600	0.6998600	0.01	-0.59	20.00	AVRG	
Pyrene	1.1880000	1.0834000	1.0834000	0.01	-8.80	100.00	AVRG	
Butylbenzylphthalate	0.6490000	0.5961800	0.5961800	0.01	-8.14	100.00	AVRG	
3,3'-Dichlorobenzidine	0.1830000	0.1766800	0.1766800	0.01	-3.45	100.00	AVRG	
Benzo(a)anthracene	0.8740000	0.7342000	0.7342000	0.01	-16.00	100.00	AVRG	
Chrysene	0.8180000	0.7342000	0.7342000	0.01	-10.24	100.00	AVRG	
bis(2-Ethylhexyl)phthalate	0.8940000	0.8223800	0.8223800	0.01	-8.01	100.00	AVRG	

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

Instrument ID: GCMS-U Calibration Date: 08/27/04 Time: 0911

Lab File ID: U8508 Init. Calib. Date(s): 08/24/04 08/24/04

Init. Calib. Times: 1242 1632

GC Column: RTX-5SILMS 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
Di-n-octylphthalate	47.154000	50.000000	2.2241000	0.01	-5.69	20.00	2RDR
Benzo(b)fluoranthene	44.284000	50.000000	1.1054000	0.01	-11.43	100.00	2RDR
Benzo(k)fluoranthene	1.5530000	1.2048000	1.2048000	0.01	-22.42	100.00	AVRG
Benzo(a)pyrene	1.1410000	0.9410200	0.9410200	0.01	-17.53	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.0310000	0.8006400	0.8006400	0.01	-22.34	100.00	AVRG
Dibenzo(a,h)anthracene	37.333000	50.000000	0.6257400	0.01	-25.33	100.00	LINR
Benzo(g,h,i)perylene	0.7930000	0.5884900	0.5884900	0.01	-25.79	100.00	AVRG
2-Fluorophenol	1.1290000	1.1218000	1.1218000	0.01	-0.64	100.00	AVRG
Phenol-D6	1.4090000	1.4066000	1.4066000	0.01	-0.17	100.00	AVRG
Nitrobenzene-D5	0.3060000	0.2856100	0.2856100	0.01	-6.66	100.00	AVRG
2-Fluorobiphenyl	0.8990000	0.8739200	0.8739200	0.01	-2.79	100.00	AVRG
2,4,6-Tribromophenol	0.1080000	0.1116600	0.1116600	0.01	3.39	100.00	AVRG
Terphenyl-D14	0.7480000	0.6972900	0.6972900	0.01	-6.78	100.00	AVRG

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL

Lab ID: WG9390-2RA& WG9390-3RA
Client ID: WG9390-LCS & WG9390-LCSD
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: JLP
Analysis Method: SW846 8270C
Lab Prep Batch: WG9390
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	3060	2690	92	81	13	50	48-106
Bis(2-Chloroethyl)ether	1667	1667	NA	1520	1380	91	83	10	50	42-106
2-Chlorophenol	3333	3333	NA	2930	2700	88	81	8	50	47-106
2-Methylphenol	3333	3333	NA	2940	2690	88	81	9	50	47-106
2,2'-Oxybis(1-Chloropropane)	1667	1667	NA	1620	1450	97	87	11	50	47-100
Acetophenone	1667	1667	NA	1360	1220	82	73	11	50	0-100
4-Methylphenol	3333	3333	NA	3130	2800	94	84	11	50	47-114
N-Nitroso-di-n-propylamine	1667	1667	NA	1390	1240	83	74	11	50	48-100
Hexachloroethane	1667	1667	NA	1320	1190	79	71	10	50	30-101
Nitrobenzene	1667	1667	NA	1360	1230	82	74	10	50	47-100
Isophorone	1667	1667	NA	1350	1240	81	74	8	50	46- 94
2-Nitrophenol	3333	3333	NA	2910	2730	87	82	6	50	41-113
2,4-Dimethylphenol	3333	3333	NA	2940	2660	88	80	10	50	47-101
Bis(2-Chloroethoxy)methane	1667	1667	NA	1380	1270	83	76	8	50	48- 98
2,4-Dichlorophenol	3333	3333	NA	2980	2750	89	82	8	50	49-106
Naphthalene	1667	1667	NA	1270	1160	76	70	9	50	46-102
4-Chloroaniline	1667	1667	NA	778	739	47	44	5	50	0-100
Hexachlorobutadiene	1667	1667	NA	1210	1100	73	66	10	50	30-110
4-Chloro-3-Methylphenol	3333	3333	NA	3170	2800	95	84	12	50	51-115
2-Methylnaphthalene	1667	1667	NA	1220	1110	73	67	9	50	41-114
Hexachlorocyclopentadiene	1667	1667	NA	1150	971	69	58	17	50	10-108
2,4,6-Trichlorophenol	3333	3333	NA	3100	2750	93	82	12	50	52-116
2,4,5-Trichlorophenol	3333	3333	NA	3340	2860	100	86	15	50	50-116
2-Chloronaphthalene	1667	1667	NA	1830	1660	110	100	10	50	49-138
2-Nitroaniline	1667	1667	NA	1530	1280	92	77	18	50	50-123
Dimethyl Phthalate	1667	1667	NA	1370	1110	82	67	21	50	54-112
2,6-Dinitrotoluene	1667	1667	NA	1530	1320	92	79	15	50	44-121
Acenaphthylene	1667	1667	NA	1130	938	68	56	18	50	52-100
3-Nitroaniline	1667	1667	NA	1690	1350	101	81	22	50	0-256
Acenaphthene	1667	1667	NA	1190	996	71	60	18	50	53-104
2,4-Dinitrophenol	3333	3333	NA	2740	2020	82	61	30	50	0-123
4-Nitrophenol	3333	3333	NA	3740	3040	112	91	21	50	23-137
Dibenzofuran	1667	1667	NA	1510	1320	91	79	13	50	51-108
2,4-Dinitrotoluene	1667	1667	NA	1590	1330	95	80	18	50	42-121
Diethylphthalate	1667	1667	NA	1680	1440	101	86	15	50	49-114
Fluorene	1667	1667	NA	1630	1420	98	85	14	50	52-113
4-Chlorophenyl-phenylether	1667	1667	NA	1670	1420	100	85	16	50	52-111
4-Nitroaniline	1667	1667	NA	1590	1270	95	76	22	50	0-193
4,6-Dinitro-2-Methylphenol	3333	3333	NA	3610	2820	108	85	24	50	19-137
N-Nitrosodiphenylamine	3333	3333	NA	3580	3090	107	93	15	50	56-140
4-Bromophenyl-phenylether	1667	1667	NA	1730	1470	104	88	16	50	48-122
Hexachlorobenzene	1667	1667	NA	1490	1210	89	73	21	50	42-122
Pentachlorophenol	3333	3333	NA	3540	2890	106	87	20	50	31-133
Phenanthrene	1667	1667	NA	1890	1580	* 113	95	18	50	55-112
Anthracene	1667	1667	NA	1770	1460	106	88	19	50	54-112

 FORM III SV-2 U8513.D & U8514.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 351 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 08/24/04
Analysis Date: 08/27/04
Report Date: 08/27/2004
Matrix: SOIL

Lab ID: WG9390-2RA& WG9390-3RA
Client ID: WG9390-LCS & WG9390-LCSD
SDG: WU2604
Extracted by: MC
Extraction Method: SW846 3550
Analyst: JLP
Analysis Method: SW846 8270C
Lab Prep Batch: WG9390
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Carbazole	1667	1667	NA	1910	1560	115	94	20	50	37-170
Di-n-butylphthalate	1667	1667	NA	1790	1500	107	90	18	50	49-127
Fluoranthene	1667	1667	NA	1960	1600	118	96	20	50	50-123
Pyrene	1667	1667	NA	1490	1360	89	82	9	50	53-121
Butylbenzylphthalate	1667	1667	NA	1500	1350	90	81	10	50	50-130
3,3'-Dichlorobenzidine	1667	1667	NA	1500	1220	90	73	20	50	0-197
Benzo(a)anthracene	1667	1667	NA	1430	1190	86	71	18	50	54-111
Chrysene	1667	1667	NA	1520	1270	91	76	18	50	54-115
bis(2-Ethylhexyl)phthalate	1667	1667	NA	1560	1350	94	81	14	50	45-129
Di-n-octylphthalate	1667	1667	NA	1630	1570	98	94	4	50	38-155
Benzo(b)fluoranthene	1667	1667	NA	1550	1390	93	83	11	50	48-122
Benzo(k)fluoranthene	1667	1667	NA	1510	1310	91	79	14	50	52-117
Benzo(a)pyrene	1667	1667	NA	1470	1240	88	74	17	50	52-118
Indeno(1,2,3-cd)pyrene	1667	1667	NA	1520	1170	91	70	26	50	43-122
Dibenzo(a,h)anthracene	1667	1667	NA	1460	1150	88	69	24	50	42-113
Benzo(g,h,i)perylene	1667	1667	NA	1460	1150	88	69	24	50	41-118

FORM III SV-2

U8513.D & U8514.D

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

GC Column: RTX-CLPI ID: 0.53 (mm) Init. Calib. Date(s): 08/27/04 08/27/04

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 17.21 TCX: 4.40

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	EVAL	EVAL	08/27/04	0846		
02	ICAL	INDAB 0.05PP	08/27/04	0914	17.21	4.39
03	ICAL	INDAB 0.005P	08/27/04	0941	17.21	4.40
04	ICAL	INDAB 0.01PP	08/27/04	1008	17.21	4.39
05	ICAL	INDAB 0.025P	08/27/04	1036	17.21	4.39
06	ICAL	INDAB 0.10PP	08/27/04	1103	17.21	4.39
07	ICAL	INDAB 0.25PP	08/27/04	1130	17.20	4.39
08	INDSOURCE	INDAB 0.05PP	08/27/04	1157		
09	ICAL	TOX 1.0PPM	08/27/04	1224		
10	ICAL	TC 0.5PPM	08/27/04	1251		
11	WG9392-BLANK	WG9392-1	08/27/04	1319	17.21	4.40
12	C03V-BF01-08	WU2604-1	08/27/04	1346	17.21	4.40
13	C03V-BF02-08	WU2604-2	08/27/04	1413	17.20	4.40
14	C03V-BF03-08	WU2604-3	08/27/04	1440	17.20	4.40
15	WG9392-LCS	WG9392-2	08/27/04	1508	17.21	4.40
16	WG9392-LCSD	WG9392-3	08/27/04	1535	17.21	4.40
17	CV	INDAB 0.05PP	08/27/04	1629	17.21	4.40
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: CTO 351 NAS KEY WEST SDG No.: WU2604

GC Column: RTX-CLPII ID: 0.53 (mm) Init. Calib. Date(s): 08/27/04 08/27/04

Instrument ID: GC08

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 20.41 TCX: 5.00

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	EVAL	EVAL	08/27/04	0846		
02	ICAL	INDAB 0.05PP	08/27/04	0914	20.41	4.99
03	ICAL	INDAB 0.005P	08/27/04	0941	20.41	5.00
04	ICAL	INDAB 0.01PP	08/27/04	1008	20.41	4.99
05	ICAL	INDAB 0.025P	08/27/04	1036	20.41	4.99
06	ICAL	INDAB 0.10PP	08/27/04	1103	20.41	4.99
07	ICAL	INDAB 0.25PP	08/27/04	1130	20.41	5.00
08	INDSOURCE	INDAB 0.05PP	08/27/04	1157		
09	ICAL	TOX 1.0PPM	08/27/04	1224		
10	ICAL	TC 0.5PPM	08/27/04	1251		
11	WG9392-BLANK	WG9392-1	08/27/04	1319	20.41	5.00
12	C03V-BF01-08	WU2604-1	08/27/04	1346	20.41	5.00
13	C03V-BF02-08	WU2604-2	08/27/04	1413	20.41	5.00
14	C03V-BF03-08	WU2604-3	08/27/04	1440	20.41	5.00
15	WG9392-LCS	WG9392-2	08/27/04	1508	20.41	5.00
16	WG9392-LCSD	WG9392-3	08/27/04	1535	20.41	5.00
17	CV	INDAB 0.05PP	08/27/04	1629	20.41	5.00
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 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

Instrument ID: GC08 Calibration Date: 08/27/04 Time: 1157

Lab File ID: 8UH1125 Init. Calib. Date(s): 08/27/04 08/27/04

Init. Calib. Times: 0914 1130

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	4.54e-002	5.e-002	1745000.0	0.01	-9.20	15.00	2RDR	
gamma BHC	4.92e-002	5.e-002	2384000.0	0.01	-1.60	15.00	2RDR	
beta-BHC	4.41e-002	5.e-002	1081000.0	0.01	-11.80	15.00	2RDR	
delta-BHC	4.17e-002	5.e-002	1623000.0	0.01	-16.60	15.00	2RDR	<-
Heptachlor	4.99e-002	5.e-002	2090000.0	0.01	-0.20	15.00	2RDR	
Aldrin	4.94e-002	5.e-002	2327000.0	0.01	-1.20	15.00	2RDR	
Heptachlor Epoxide	4.58e-002	5.e-002	1956000.0	0.01	-8.40	15.00	2RDR	
gamma-Chlordane	4.39e-002	5.e-002	1941000.0	0.01	-12.20	15.00	2RDR	
alpha-Chlordane	4.71e-002	5.e-002	1937000.0	0.01	-5.80	15.00	2RDR	
4,4'-DDF	4.64e-002	5.e-002	1659000.0	0.01	-7.20	15.00	2RDR	
alpha-BHC	4.95e-002	5.e-002	2528000.0	0.01	-1.00	15.00	2RDR	
Dieldrin	4.59e-002	5.e-002	1670000.0	0.01	-8.20	15.00	2RDR	
Endrin	4.82e-002	5.e-002	1370000.0	0.01	-3.60	15.00	2RDR	
4,4'-DDD	4.43e-002	5.e-002	872800.00	0.01	-11.40	15.00	2RDR	
Endosulfan II	4.5e-002	5.e-002	1287000.0	0.01	-10.00	15.00	2RDR	
4,4'-DDT	4.71e-002	5.e-002	986700.00	0.01	-5.80	15.00	2RDR	
Endrin Aldehyde	4.6e-002	5.e-002	878500.00	0.01	-8.00	15.00	2RDR	
Methoxychlor	4.67e-002	5.e-002	391200.00	0.01	-6.60	15.00	2RDR	
Endosulfan sulfate	4.55e-002	5.e-002	825300.00	0.01	-9.00	15.00	2RDR	
Endrin Ketone	4.54e-002	5.e-002	1076000.0	0.01	-9.20	15.00	2RDR	

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

Instrument ID: GC08 Calibration Date: 08/27/04 Time: 1157

Lab File ID: 8UH2125 Init. Calib. Date(s): 08/27/04 08/27/04

Init. Calib. Times: 0914 1130

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	5.03e-002	5.e-002	1690000.0	0.01	0.60	15.00	2RDR
gamma BHC	5.18e-002	5.e-002	2762000.0	0.01	3.60	15.00	2RDR
beta-BHC	5.21e-002	5.e-002	1337000.0	0.01	4.20	15.00	2RDR
delta-BHC	5.24e-002	5.e-002	1946000.0	0.01	4.80	15.00	2RDR
Heptachlor	4.69e-002	5.e-002	1931000.0	0.01	-6.20	15.00	2RDR
Aldrin	5.21e-002	5.e-002	2361000.0	0.01	4.20	15.00	2RDR
Heptachlor Epoxide	5.16e-002	5.e-002	1972000.0	0.01	3.20	15.00	2RDR
gamma-Chlordane	5.14e-002	5.e-002	1880000.0	0.01	2.80	15.00	2RDR
alpha-Chlordane	5.1e-002	5.e-002	1766000.0	0.01	2.00	15.00	2RDR
Endosulfan I	5.02e-002	5.e-002	1667000.0	0.01	0.40	15.00	2RDR
alpha-BHC	5.21e-002	5.e-002	2937000.0	0.01	4.20	15.00	2RDR
Dieldrin	5.1e-002	5.e-002	1576000.0	0.01	2.00	15.00	2RDR
Endrin	5.e-002	5.e-002	1251000.0	0.01	0.00	15.00	2RDR
4,4'-DDD	4.95e-002	5.e-002	1059000.0	0.01	-1.00	15.00	2RDR
Endosulfan II	5.03e-002	5.e-002	1305000.0	0.01	0.60	15.00	2RDR
4,4'-DDT	5.21e-002	5.e-002	1180000.0	0.01	4.20	15.00	2RDR
Endrin Aldehyde	4.83e-002	5.e-002	1028000.0	0.01	-3.40	15.00	2RDR
Endosulfan sulfate	5.02e-002	5.e-002	1030000.0	0.01	0.40	15.00	2RDR
Methoxychlor	5.18e-002	5.e-002	743800.00	0.01	3.60	15.00	2RDR
Endrin Ketone	4.95e-002	5.e-002	1342000.0	0.01	-1.00	15.00	2RDR

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.90 DCB: 20.27

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	08/19/04	1123	6.90	20.27
02	ICAL	AR1660 0.05P	08/19/04	1151	6.89	20.28
03	ICAL	AR1660 0.10P	08/19/04	1219	6.89	20.28
04	ICAL	AR1660 0.25P	08/19/04	1248	6.89	20.27
05	ICAL	AR1660 2.5PP	08/19/04	1317	6.89	20.27
06	ICAL	AR1660 10PPM	08/19/04	1345	6.89	20.27
07	INDSOURCE	AR1016 1.0PP	08/19/04	1414		
08	INDSOURCE	AR1260 1.0PP	08/19/04	1442		
09	ICAL	AR1242 1.0PP	08/19/04	1511		
10	ICAL	AR1248 1.0PP	08/19/04	1801		
11	ICAL	AR1254 1.0PP	08/19/04	2052		
12	ICAL	AR1221 1.0PP	08/19/04	2343		
13	ICAL	AR1232 1.0PP	08/20/04	0012		
14	CV	AR1660 1.0PP	08/26/04	1509	6.90	20.27
15	WG9394-BLANK	WG9394-1	08/26/04	1703	6.88	20.26
16	WG9394-LCS	WG9394-2	08/26/04	1731	6.88	20.26
17	WG9394-LCSD	WG9394-3	08/26/04	1800	6.88	20.26
18	C03V-BF01-08	WU2604-1	08/26/04	1828	6.88	20.25
19	C03V-BF02-08	WU2604-2	08/26/04	1857	6.88	20.25
20	C03V-BF03-08	WU2604-3	08/26/04	1925	6.88	20.25

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.90 DCB: 20.27

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/26/04	1953	6.88	20.26
02						
03						
04						
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:

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.71 DCB: 20.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ICAL	AR1660 1.0PP	08/19/04	1123	6.71	20.70
02	ICAL	AR1660 0.05P	08/19/04	1151	6.71	20.70
03	ICAL	AR1660 0.10P	08/19/04	1219	6.71	20.70
04	ICAL	AR1660 0.25P	08/19/04	1248	6.71	20.70
05	ICAL	AR1660 2.5PP	08/19/04	1317	6.71	20.70
06	ICAL	AR1660 10PPM	08/19/04	1345	6.71	20.70
07	INDSOURCE	AR1016 1.0PP	08/19/04	1414		
08	INDSOURCE	AR1260 1.0PP	08/19/04	1442		
09	ICAL	AR1242 1.0PP	08/19/04	1511		
10	ICAL	AR1248 1.0PP	08/19/04	1801		
11	ICAL	AR1254 1.0PP	08/19/04	2052		
12	ICAL	AR1221 1.0PP	08/19/04	2343		
13	ICAL	AR1232 1.0PP	08/20/04	0012		
14	CV	AR1660 1.0PP	08/26/04	1509	6.70	20.67
15	WG9394-BLANK	WG9394-1	08/26/04	1703	6.68	20.65
16	WG9394-LCS	WG9394-2	08/26/04	1731	6.68	20.65
17	WG9394-LCSD	WG9394-3	08/26/04	1800	6.68	20.65
18	C03V-BF01-08	WU2604-1	08/26/04	1828	6.68	20.65
19	C03V-BF02-08	WU2604-2	08/26/04	1857	6.68	20.65
20	C03V-BF03-08	WU2604-3	08/26/04	1925	6.68	20.65

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/04 08/20/04

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.71 DCB: 20.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CV	AR1660 1.0PP	08/26/04	1953	6.68	20.65
02						
03						
04						
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 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

Instrument ID: GC06 Calibration Date: 08/19/04 Time: 1442

Lab File ID: 6UH3057 Init. Calib. Date(s): 08/19/04 08/20/04

Init. Calib. Times: 1123 0012

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	1.2122000	1.0000000	29489.000	0.01	21.22	15.00	2RDR	<-
(2)	1.1656000	1.0000000	28638.000	0.01	16.56	15.00	2RDR	<-
(3)	1.1375000	1.0000000	55983.000	0.01	13.75	15.00	2RDR	
(4)	1.0622000	1.0000000	27092.000	0.01	6.22	15.00	2RDR	
(5)	1.2327000	1.0000000	17325.000	0.01	23.27	15.00	2RDR	<-
Average %D: 16.210								

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO 351 NAS KEY WEST SDG No.: WU2604

Instrument ID: GC06 Calibration Date: 08/19/04 Time: 1442

Lab File ID: 6UH4057 Init. Calib. Date(s): 08/19/04 08/20/04

Init. Calib. Times: 1123 0012

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1260	0.8920100	1.0000000	47936.000	0.01	-10.80	15.00	2RDR	
(2)	1.1459000	1.0000000	50286.000	0.01	14.59	15.00	2RDR	
(3)	1.1646000	1.0000000	99831.000	0.01	16.46	15.00	2RDR	<-
(4)	1.1343000	1.0000000	57625.000	0.01	13.43	15.00	2RDR	
(5)	1.2510000	1.0000000	29730.000	0.01	25.10	15.00	2RDR	<-
Average %D: 11.760								

FORM VII PEST

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**SEPTEMBER 9, 2004**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS + TIN**
NAS KEY WEST – CTO 349
SAMPLE DELIVERY GROUP (SDG) – WU2604

SAMPLES: 3/SOIL/

C03V-BF01-0804 C03V-BF02-0804 C03V-BF03-0804

Overview

The sample set for NAS Key West, CTO 349, SDG WU2604, consists of three (3) soil environmental samples.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by Tetra Tech NUS on August 20, 2004 and analyzed by Katahdin Analytical Services. Metals analyses except mercury were conducted using SW846 method 6010B. Mercury analyses were conducted using SW846 method 7471A.

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

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
  • Laboratory Blank Analyses
* • Detection Limits

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	42.28 ug/L	21.14 mg/kg
Barium	0.81 ug/L	0.41 mg/kg
Beryllium	0.59 ug/L	0.30 mg/kg
Calcium[1]	5.944 mg/kg	29.72 mg/kg
Chromium[1]	0.191 mg/kg	0.955 mg/kg
Copper	2.20 ug/L	1.10 mg/kg
Iron	14.76 ug/L	7.38 mg/kg
Magnesium	48.67 ug/L	24.34 mg/kg
Manganese[1]	0.121 mg/kg	0.605 mg/kg
Potassium	703.10 ug/L	351.55 mg/kg
Silver	0.83 ug/L	0.42 mg/kg
Sodium	61.24 ug/L	30.62 mg/kg
Thallium	5.44 ug/L	2.72 mg/kg
Tin[1]	2.587 mg/kg	12.94 mg/kg
Zinc[1]	0.26 mg/kg	1.3 mg/kg

[1] Maximum concentration present in laboratory preparation blank.

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

Notes

The sample dates for all samples were listed incorrectly on the chain of custody (COC) as 10/20/04. The correct sample date should have been 8/20/04, per C. Bryan. The laboratory made the correction.

The initial calibration verification (ICV) standard run on 8/25/04 at 10:09 had a percent recovery (%R) of -0.2%. The ICV was re-run at 10:12 and was compliant. No qualification action was taken on this basis.

Dilutions were performed for calcium in all samples due to the concentrations of calcium above the linear range of the instrument.

Executive Summary

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

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", 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: 0693

SDG: WU2604 MEDIA: SOIL DATA FRACTION: M

nsample	C03V-BF01-0804	nsample	C03V-BF02-0804	nsample	C03V-BF03-0804
samp_date	8/20/2004	samp_date	8/20/2004	samp_date	8/20/2004
lab_id	WU2604-001	lab_id	WU2604-002	lab_id	WU2604-003
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	84.4	Pct_Solids	96.4	Pct_Solids	86.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	630		
ANTIMONY	0.24	U	
ARSENIC	0.58		
BARIUM	4.5		
BERYLLIUM	0.11	U	A
CADMIUM	0.4	U	
CALCIUM	201000		
CHROMIUM	6.3		
COBALT	0.77		
COPPER	1.1	U	A
IRON	514		
LEAD	0.97		
MAGNESIUM	2100		
MANGANESE	16.1		
MERCURY	0.01	U	
NICKEL	2.3		
POTASSIUM	148	U	A
SELENIUM	0.38	U	
SILVER	0.07	U	
SODIUM	180		
THALLIUM	0.41	U	
TIN	2.8	U	A
VANADIUM	6.2		
ZINC	1.6		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	932		
ANTIMONY	0.2	U	
ARSENIC	0.45		
BARIUM	6		
BERYLLIUM	0.1	U	A
CADMIUM	0.33	U	
CALCIUM	226000		
CHROMIUM	6.7		
COBALT	0.49		
COPPER	1.1		
IRON	604		
LEAD	0.62		
MAGNESIUM	2370		
MANGANESE	18.5		
MERCURY	0.01	U	
NICKEL	1.8		
POTASSIUM	148	U	A
SELENIUM	0.31	U	
SILVER	0.06	U	
SODIUM	264		
THALLIUM	0.54	U	A
TIN	0.99	U	A
VANADIUM	7.3		
ZINC	2		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	760		
ANTIMONY	0.22	U	
ARSENIC	0.48		
BARIUM	5.8		
BERYLLIUM	0.13	U	A
CADMIUM	0.37	U	
CALCIUM	216000		
CHROMIUM	6.8		
COBALT	0.41	U	
COPPER	1.2		
IRON	575		
LEAD	1.5		
MAGNESIUM	2340		
MANGANESE	17.8		
MERCURY	0.01	U	
NICKEL	1.8		
POTASSIUM	112	U	A
SELENIUM	0.35	U	
SILVER	0.07	U	
SODIUM	212		
THALLIUM	0.38	U	
TIN	1.2	U	A
VANADIUM	7.1		
ZINC	2.2		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-BF01-0804

Matrix: SOIL **SDG Name:** WU2604

Percent Solids: 84.4 **Lab Sample ID:** WU2604-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	630			P	1	30	1.81
7440-36-0	ANTIMONY, TOTAL	0.24	U		P	1	0.81	0.24
7440-38-2	ARSENIC, TOTAL	0.58	B		P	1	0.81	0.31
7440-39-3	BARIUM, TOTAL	4.5			P	1	0.51	0.05
7440-41-7	BERYLLIUM, TOTAL	0.11	B		P	1	0.51	0.03
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	1.0	0.40
7440-70-2	CALCIUM, TOTAL	201000			P	10	51	21.68
7440-47-3	CHROMIUM, TOTAL	6.3			P	1	1.5	0.08
7440-48-4	COBALT, TOTAL	0.77	B		P	1	3.0	0.44
7440-50-8	COPPER, TOTAL	1.1	B		P	1	2.5	0.19
7439-89-6	IRON, TOTAL	514			P	1	10	0.51
7439-92-1	LEAD, TOTAL	0.97			P	1	0.51	0.17
7439-95-4	MAGNESIUM, TOTAL	2100			P	1	5.1	2.50
7439-96-5	MANGANESE, TOTAL	16.1			P	1	0.51	0.12
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	2.3	B		P	1	4.0	1.09
7440-09-7	POTASSIUM, TOTAL	148			P	1	100	24.11
7782-49-2	SELENIUM, TOTAL	0.38	U		P	1	1.0	0.38
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.5	0.07
7440-23-5	SODIUM, TOTAL	180			P	1	100	1.93
7440-28-0	THALLIUM, TOTAL	0.41	U		P	1	1.5	0.41
7440-31-5	TIN, TOTAL	2.8	B		P	1	10	0.18
7440-62-2	VANADIUM, TOTAL	6.2			P	1	2.5	0.42
7440-66-6	ZINC, TOTAL	1.6	B		P	1	2.5	0.15

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-BF02-0804

Matrix: SOIL **SDG Name:** WU2604

Percent Solids: 96.4 **Lab Sample ID:** WU2604-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	932			P	1	25	1.50
7440-36-0	ANTIMONY, TOTAL	0.20	U		P	1	0.67	0.20
7440-38-2	ARSENIC, TOTAL	0.45	B		P	1	0.67	0.25
7440-39-3	BARIUM, TOTAL	6.0			P	1	0.42	0.04
7440-41-7	BERYLLIUM, TOTAL	0.10	B		P	1	0.42	0.02
7440-43-9	CADMIUM, TOTAL	0.33	U		P	1	0.84	0.33
7440-70-2	CALCIUM, TOTAL	226000			P	10	42	17.91
7440-47-3	CHROMIUM, TOTAL	6.7			P	1	1.2	0.07
7440-48-4	COBALT, TOTAL	0.49	B		P	1	2.5	0.36
7440-50-8	COPPER, TOTAL	1.1	B		P	1	2.1	0.16
7439-89-6	IRON, TOTAL	604			P	1	8.4	0.42
7439-92-1	LEAD, TOTAL	0.62			P	1	0.42	0.14
7439-95-4	MAGNESIUM, TOTAL	2370			P	1	4.2	2.07
7439-96-5	MANGANESE, TOTAL	18.5			P	1	0.42	0.10
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.031	0.01
7440-02-0	NICKEL, TOTAL	1.8	B		P	1	3.3	0.90
7440-09-7	POTASSIUM, TOTAL	148			P	1	84	19.92
7782-49-2	SELENIUM, TOTAL	0.31	U		P	1	0.84	0.31
7440-22-4	SILVER, TOTAL	0.06	U		P	1	1.2	0.06
7440-23-5	SODIUM, TOTAL	264			P	1	84	1.60
7440-28-0	THALLIUM, TOTAL	0.54	B		P	1	1.2	0.34
7440-31-5	TIN, TOTAL	0.99	B		P	1	8.4	0.15
7440-62-2	VANADIUM, TOTAL	7.3			P	1	2.1	0.35
7440-66-6	ZINC, TOTAL	2.0	B		P	1	2.1	0.12

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** C03V-BF03-0804

Matrix: SOIL **SDG Name:** WU2604

Percent Solids: 86.8 **Lab Sample ID:** WU2604-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	760			P	1	28	1.68
7440-36-0	ANTIMONY, TOTAL	0.22	U		P	1	0.75	0.22
7440-38-2	ARSENIC, TOTAL	0.48	B		P	1	0.75	0.28
7440-39-3	BARIUM, TOTAL	5.8			P	1	0.47	0.05
7440-41-7	BERYLLIUM, TOTAL	0.13	B		P	1	0.47	0.03
7440-43-9	CADMIUM, TOTAL	0.37	U		P	1	0.94	0.37
7440-70-2	CALCIUM, TOTAL	216000			P	10	47	20.04
7440-47-3	CHROMIUM, TOTAL	6.8			P	1	1.4	0.07
7440-48-4	COBALT, TOTAL	0.41	U		P	1	2.8	0.41
7440-50-8	COPPER, TOTAL	1.2	B		P	1	2.3	0.18
7439-89-6	IRON, TOTAL	575			P	1	9.4	0.47
7439-92-1	LEAD, TOTAL	1.5			P	1	0.47	0.16
7439-95-4	MAGNESIUM, TOTAL	2340			P	1	4.7	2.31
7439-96-5	MANGANESE, TOTAL	17.8			P	1	0.47	0.11
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.032	0.01
7440-02-0	NICKEL, TOTAL	1.8	B		P	1	3.7	1.01
7440-09-7	POTASSIUM, TOTAL	112			P	1	94	22.29
7782-49-2	SELENIUM, TOTAL	0.35	U		P	1	0.94	0.35
7440-22-4	SILVER, TOTAL	0.07	U		P	1	1.4	0.07
7440-23-5	SODIUM, TOTAL	212			P	1	94	1.79
7440-28-0	THALLIUM, TOTAL	0.38	U		P	1	1.4	0.38
7440-31-5	TIN, TOTAL	1.2	B		P	1	9.4	0.17
7440-62-2	VANADIUM, TOTAL	7.1			P	1	2.3	0.39
7440-66-6	ZINC, TOTAL	2.2	B		P	1	2.3	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

Katahdin
ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2604-1
Report Date: 31-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2604

Sample Description	Matrix	Date Sampled	Date Received
C03V-BF01-0804	SL	20-AUG-04	21-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	84. %	.1	CLP SOW 788	WG9411	25-AUG-04	JF	CLP SOW 788	24-AUG-04	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2604-2
Report Date: 31-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2604

Sample Description	Matrix	Date Sampled	Date Received
C03V-BF02-0804	SL	20-AUG-04	21-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	96. %	.1	CLP SOW 788	WG9411	25-AUG-04	JF	CLP SOW 788	24-AUG-04	JF	

Katahdin
ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU2604-3
Report Date: 31-AUG-04
Client PO: MSA-0402-N4113-05 N2943
Project: CTO 351 NAS KEY WEST
SDG: WU2604

Sample Description	Matrix	Date Sampled	Date Received
C03V-BF03-0804	SL	20-AUG-04	21-AUG-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Total Solids	87. %	.1	CLP SOW 788	WG9411	25-AUG-04	JF	CLP SOW 788	24-AUG-04	JF	

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

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG WU2604

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03V-BF01-0804	WU2604-001	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
HG	MG/KG	C03V-BF02-0804	WU2604-002	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
HG	MG/KG	C03V-BF03-0804	WU2604-003	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
M	MG/KG	C03V-BF02-0804	WU2604-002	NM	08/20/2004	08/25/2004	08/25/2004	5	0	5
M	MG/KG	C03V-BF03-0804	WU2604-003	NM	08/20/2004	08/25/2004	09/01/2004	5	7	12
M	MG/KG	C03V-BF02-0804	WU2604-002	NM	08/20/2004	08/25/2004	09/01/2004	5	7	12
M	MG/KG	C03V-BF01-0804	WU2604-001	NM	08/20/2004	08/25/2004	08/31/2004	5	6	11
M	MG/KG	C03V-BF01-0804	WU2604-001	NM	08/20/2004	08/25/2004	08/25/2004	5	0	5
M	MG/KG	C03V-BF03-0804	WU2604-003	NM	08/20/2004	08/25/2004	08/25/2004	5	0	5
TS	%	C03V-BF01-0804	WU2604-1	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
TS	%	C03V-BF02-0804	WU2604-2	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
TS	%	C03V-BF03-0804	WU2604-3	NM	08/20/2004	08/24/2004	08/25/2004	4	1	5
OS	%	C03V-BF01-0804RA	WU2604-1RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
OS	%	C03V-BF02-0804RA	WU2604-2RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
OS	%	C03V-BF03-0804RA	WU2604-3RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	C03V-BF03-0804RA	WU2604-3RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
OS	UG/KG	C03V-BF01-0804RA	WU2604-1RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
OS	UG/KG	C03V-BF02-0804RA	WU2604-2RA	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PCB	%	C03V-BF02-0804	WU2604-2	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PCB	%	C03V-BF03-0804	WU2604-3	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PCB	%	C03V-BF01-0804	WU2604-1	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PCB	UG/KG	C03V-BF01-0804	WU2604-1	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PCB	UG/KG	C03V-BF02-0804	WU2604-2	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PCB	UG/KG	C03V-BF03-0804	WU2604-3	NM	08/20/2004	08/24/2004	08/26/2004	4	2	6
PEST	%	C03V-BF01-0804	WU2604-1	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PEST	%	C03V-BF02-0804	WU2604-2	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PEST	%	C03V-BF03-0804	WU2604-3	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PEST	UG/KG	C03V-BF01-0804	WU2604-1	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PEST	UG/KG	C03V-BF02-0804	WU2604-2	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7
PEST	UG/KG	C03V-BF03-0804	WU2604-3	NM	08/20/2004	08/24/2004	08/27/2004	4	3	7

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS | Contact: Chuck Bryan | Phone #: (803)649-7963 | Fax #: (803)642-8454

Address: 900 Trail Ridge Rd | City: Aiken | State: SC | Zip Code: 29803

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): SCOTT R. McGUIRE / Scott R. McGuire | Copies To:

LAB USE ONLY WORK ORDER #: WU2604

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	SVOCs	Pesticides + PCBs	Metals								
					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
	C03V-BF01-0804	10/20/04 / 1100	SO	3	✓	✓	✓								
	C03V-BF02-0804	10/20/04 / 1130	SO	3	✓	✓	✓								
	C03V-BF03-0804	10/20/04 / 1200	SO	3	✓	✓	✓								
		/													
		/													
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		/													
		/													
	SRM	/													

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Scott R. McGuire	10/20 2004 / 1545	Fed Ex		8/21/04 10:35	John L. Coveney
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

AS COC1

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WU2604

PAGE: 1 OF 1

COOLER: 1 OF 1

COC#
SDG#
DATE / TIME RECEIVED: 8/21/04 10:35
DELIVERED BY: JFC via Fed Ex
RECEIVED BY: JFC
LIMS ENTRY BY: VC
LIMS REVIEW BY / PM: AJC

CLIENT: Tetra Tech NUS

PROJECT: Key West

	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)=	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT Y or N?	☐	☒	☐	COOLER TEMP (°C)= 0.6 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]: *-Sample Date on COC is "08/20/04" assumed the date on sample containers was correcte "8/20/04" Date collected is 8/20/04 & need 7 day TAT per Chuck Bryan 8/23/04.

(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.

00000

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 351 NAS KEY WEST
TASK ORDER MANAGER: CHARLES BRYAN
WU2604

Sample Receipt

The following samples were received on August 21, 2004 and were logged in under Katahdin Analytical Services work order number WU2604 for a hardcopy due date of August 27, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU2604-1	C03V-BF01-0804
WU2604-2	C03V-BF02-0804
WU2604-3	C03V-BF03-0804

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 Analysis

The samples of Work Order WU2604 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8270C Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The acceptance limits for the MS/MSD are for a short list of the spiked compounds. Katahdin standard operating procedure is not to take corrective action until greater than ten percent of the spiked analytes (with the exception of the common laboratory phthalate ester contaminants) in the LCS are outside of the QC limits.

The initial calibration analyzed on 8/24/04 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes benzaldehyde, 1,1'-biphenyl, 2-chloronaphthalene, 2,4-dinitrophenol, diethylphthalate, 4-chlorophenyl-phenylether, n-nitrosodiphenylamine, and the surrogate 2-fluorobiphenyl failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient being less than the method acceptance criteria of 0.990. These compounds were calibrated using the average model. Since none of the associated samples detected these target analytes above the PQL, the samples were not reanalyzed.

The calibration verification standard (CV) (file U8508) had a low response for the calibration check compound (CCC) acenaphthene, which resulted in a %D that was outside the method acceptance limit of 20%D. Since the associated samples did not detect any target analytes above the MDL, the samples were not reanalyzed. The laboratory control sample and laboratory control sample duplicate (WG9390-2RA and WG9390-3RA) may be biased low for this analyte.

8082 Analysis

There were no protocol deviations or observations noted by the organic laboratory staff for this analysis.

8081 Analysis

There were no protocol deviations or observations noted by the organic laboratory staff for this analysis.

Metals Analysis

The samples of Katahdin Work Order WU2604 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. WU2604-(1-3) were digested for ICP analysis on 08/25/04 (QC Batch UH25ICS0) in accordance with USEPA Method 3050B. The measured calcium concentration (0.0594 mg/L, corresponding to a dry-weight concentration of 5.94 mg/kg) of the preparation blank that was prepared in this batch is greater than the laboratory's acceptance limit. However, because the measured calcium concentrations of all associated samples are more than ten times that of the preparation blank, no corrective action has been taken.

ICP analyses of Work Order WU2604 sample digestates were performed using a Thermo Jarrell Ash (TJA) and a TJA 61E ICP spectrometer in accordance with USEPA Method 6010B. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Soil-matrix Katahdin Sample Nos. WU2604-(1-3) were digested for mercury analysis on 08/24/04 (QC Batch UH24HGS0) in accordance with USEPA Method 7471A.

Mercury analyses of Katahdin Work Order WU2604 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Wet Chemistry Analysis

The samples of Katahdin Work Order WU2604 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical hold times, and all quality control criteria were met. No deviations were noted by the Wet Chemistry group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

Maria Crouch
09.03.04
Maria Crouch
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WU2604 **SOW No.** SW846

Client Field ID	Lab Sample ID
C03V-BF01-0804	WU2604-001
C03V-BF02-0804	WU2604-002
C03V-BF03-0804	WU2604-003

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: George Brewer Name: George Brewer

Date: 09/02/04 Title: Inorganic Dept. Mgr.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Concentration Units: ug/L

SAMPLE: ICV

File: AUH31A Aug 31, 2004 13:10

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19096.50	95.5
ANTIMONY	600.0	584.25	97.4
ARSENIC	600.0	611.85	102.0
CALCIUM	20000.0	20902.66	104.5
CHROMIUM	500.0	510.24	102.0
IRON	20000.0	20403.65	102.0
LEAD	550.0	572.91	104.2
MAGNESIUM	20000.0	20922.17	104.6
SELENIUM	550.0	542.60	98.7
SILVER	200.0	195.23	97.6
THALLIUM	600.0	608.14	101.4
TIN	500.0	517.59	103.5

SAMPLE: CCV

File: AUH31A Aug 31, 2004 14:18

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48200.61	96.4
ANTIMONY	1000.0	1012.77	101.3
ARSENIC	1000.0	1016.52	101.7
CALCIUM	50000.0	51174.38	102.3
CHROMIUM	1000.0	1021.30	102.1
IRON	20000.0	20122.68	100.6
LEAD	1000.0	1022.76	102.3
MAGNESIUM	50000.0	51175.04	102.4
SELENIUM	1000.0	1013.63	101.4
SILVER	250.0	251.95	100.8
THALLIUM	1000.0	1017.60	101.8
TIN	1000.0	1026.96	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:** WU2604

Concentration Units: ug/L

SAMPLE: CCV

File: AUH31A Aug 31, 2004 15:38

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48026.24	96.1
ANTIMONY	1000.0	1002.28	100.2
ARSENIC	1000.0	1012.18	101.2
CALCIUM	50000.0	51200.28	102.4
CHROMIUM	1000.0	1022.15	102.2
IRON	20000.0	20118.99	100.6
LEAD	1000.0	1022.69	102.3
MAGNESIUM	50000.0	51352.03	102.7
SELENIUM	1000.0	1010.19	101.0
SILVER	250.0	251.39	100.6
THALLIUM	1000.0	1008.24	100.8
TIN	1000.0	1024.46	102.4

SAMPLE: CCV

File: AUH31A Aug 31, 2004 16:58

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48176.33	96.4
ANTIMONY	1000.0	984.37	98.4
ARSENIC	1000.0	989.01	98.9
CALCIUM	50000.0	51005.19	102.0
CHROMIUM	1000.0	1019.29	101.9
IRON	20000.0	19939.53	99.7
LEAD	1000.0	1002.87	100.3
MAGNESIUM	50000.0	51205.15	102.4
SELENIUM	1000.0	991.21	99.1
SILVER	250.0	248.15	99.3
THALLIUM	1000.0	998.01	99.8
TIN	1000.0	999.88	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:** WU2604

Concentration Units: ug/L

SAMPLE: CCV

File: AUH31A Aug 31, 2004 18:23

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48856.71	97.7
ANTIMONY	1000.0	973.98	97.4
ARSENIC	1000.0	978.90	97.9
CALCIUM	50000.0	51346.54	102.7
CHROMIUM	1000.0	1026.32	102.6
IRON	20000.0	20000.42	100.0
LEAD	1000.0	988.47	98.8
MAGNESIUM	50000.0	51457.32	102.9
SELENIUM	1000.0	982.52	98.3
SILVER	250.0	248.84	99.5
THALLIUM	1000.0	991.87	99.2
TIN	1000.0	993.71	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:** WU2604

Concentration Units: ug/L

SAMPLE: ICV

File: AUI01A Sep 01, 2004 12:39

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18646.74	93.2
ANTIMONY	600.0	569.24	94.9
ARSENIC	600.0	596.50	99.4
CALCIUM	20000.0	20730.37	103.7
CHROMIUM	500.0	502.65	100.5
IRON	20000.0	20072.69	100.4
LEAD	550.0	562.12	102.2
MAGNESIUM	20000.0	20968.25	104.8
SELENIUM	550.0	531.50	96.6
SILVER	200.0	188.51	94.3
THALLIUM	600.0	599.00	99.8
TIN	500.0	499.94	100.0

SAMPLE: CCV

File: AUI01A Sep 01, 2004 13:19

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47372.99	94.7
ANTIMONY	1000.0	991.18	99.1
ARSENIC	1000.0	1002.43	100.2
CALCIUM	50000.0	50606.23	101.2
CHROMIUM	1000.0	1006.64	100.7
IRON	20000.0	19811.27	99.1
LEAD	1000.0	1003.53	100.4
MAGNESIUM	50000.0	50844.27	101.7
SELENIUM	1000.0	993.63	99.4
SILVER	250.0	245.90	98.4
THALLIUM	1000.0	1002.48	100.2
TIN	1000.0	1011.33	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:** WU2604

Concentration Units: ug/L

SAMPLE: CCV

File: AUI01A Sep 01, 2004 14:30

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48134.12	96.3
ANTIMONY	1000.0	1034.44	103.4
ARSENIC	1000.0	1055.23	105.5
CALCIUM	50000.0	52860.81	105.7
CHROMIUM	1000.0	1053.60	105.4
IRON	20000.0	20833.12	104.2
LEAD	1000.0	1073.70	107.4
MAGNESIUM	50000.0	53517.98	107.0
SELENIUM	1000.0	1048.80	104.9
SILVER	250.0	250.47	100.2
THALLIUM	1000.0	1048.11	104.8
TIN	1000.0	1077.97	107.8

SAMPLE: CCV

File: AUI01A Sep 01, 2004 15:46

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48203.52	96.4
ANTIMONY	1000.0	987.65	98.8
ARSENIC	1000.0	996.12	99.6
CALCIUM	50000.0	51048.06	102.1
CHROMIUM	1000.0	1028.99	102.9
IRON	20000.0	19995.52	100.0
LEAD	1000.0	1007.61	100.8
MAGNESIUM	50000.0	51462.23	102.9
SELENIUM	1000.0	988.51	98.9
SILVER	250.0	246.46	98.6
THALLIUM	1000.0	998.79	99.9
TIN	1000.0	1000.46	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:** WU2604

Concentration Units: ug/L

SAMPLE: ICV

File: BUH25A Aug 25, 2004 15:26

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19826.35	99.1
BARIUM	500.0	487.60	97.5
BERYLLIUM	500.0	496.63	99.3
CADMIUM	1250.0	1171.06	93.7
CALCIUM	20000.0	19806.88	99.0
COBALT	500.0	490.74	98.1
COPPER	500.0	496.35	99.3
IRON	20000.0	20565.52	102.8
MAGNESIUM	20000.0	19598.18	98.0
MANGANESE	500.0	502.87	100.6
NICKEL	1000.0	983.53	98.4
POTASSIUM	20000.0	19467.59	97.3
SODIUM	20000.0	19866.96	99.3
VANADIUM	500.0	502.35	100.5
ZINC	1000.0	962.40	96.2

SAMPLE: CCV

File: BUH25A Aug 25, 2004 16:00

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49044.66	98.1
BARIUM	1000.0	989.24	98.9
BERYLLIUM	1000.0	979.85	98.0
CADMIUM	1000.0	970.08	97.0
CALCIUM	50000.0	48261.45	96.5
COBALT	1000.0	976.87	97.7
COPPER	1000.0	981.55	98.2
IRON	20000.0	19744.21	98.7
MAGNESIUM	50000.0	48614.37	97.2
MANGANESE	1000.0	976.49	97.6
NICKEL	1000.0	971.20	97.1
POTASSIUM	50000.0	49347.21	98.7
SODIUM	50000.0	50439.31	100.9
VANADIUM	1000.0	978.10	97.8
ZINC	1000.0	968.81	96.9

(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:** WU2604

Concentration Units: ug/L

SAMPLE: CCV

File: BUH25A Aug 25, 2004 17:08

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49702.03	99.4
BARIUM	1000.0	995.08	99.5
BERYLLIUM	1000.0	973.61	97.4
CADMIUM	1000.0	971.09	97.1
CALCIUM	50000.0	47944.54	95.9
COBALT	1000.0	972.91	97.3
COPPER	1000.0	994.27	99.4
IRON	20000.0	19726.89	98.6
MAGNESIUM	50000.0	48765.76	97.5
MANGANESE	1000.0	969.39	96.9
NICKEL	1000.0	968.78	96.9
POTASSIUM	50000.0	50046.08	100.1
SODIUM	50000.0	50971.38	101.9
VANADIUM	1000.0	977.29	97.7
ZINC	1000.0	970.39	97.0

SAMPLE: CCV

File: BUH25A Aug 25, 2004 18:18

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49459.68	98.9
BARIUM	1000.0	990.74	99.1
BERYLLIUM	1000.0	983.19	98.3
CADMIUM	1000.0	970.16	97.0
CALCIUM	50000.0	48235.82	96.5
COBALT	1000.0	979.76	98.0
COPPER	1000.0	989.52	99.0
IRON	20000.0	19844.71	99.2
MAGNESIUM	50000.0	48865.02	97.7
MANGANESE	1000.0	974.67	97.5
NICKEL	1000.0	986.02	98.6
POTASSIUM	50000.0	49228.01	98.5
SODIUM	50000.0	50462.26	100.9
VANADIUM	1000.0	974.11	97.4
ZINC	1000.0	975.59	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:** WU2604

Concentration Units: ug/L

SAMPLE: CCV

File: BUH25A Aug 25, 2004 19:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49395.27	98.8
BARIUM	1000.0	987.81	98.8
BERYLLIUM	1000.0	982.54	98.3
CADMIUM	1000.0	981.72	98.2
CALCIUM	50000.0	48338.92	96.7
COBALT	1000.0	978.96	97.9
COPPER	1000.0	989.74	99.0
IRON	20000.0	19908.82	99.5
MAGNESIUM	50000.0	48896.10	97.8
MANGANESE	1000.0	975.07	97.5
NICKEL	1000.0	994.01	99.4
POTASSIUM	50000.0	49516.76	99.0
SODIUM	50000.0	50831.46	101.7
VANADIUM	1000.0	981.74	98.2
ZINC	1000.0	983.50	98.4

SAMPLE: CCV

File: BUH25A Aug 25, 2004 20:33

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50181.62	100.4
BARIUM	1000.0	999.16	99.9
BERYLLIUM	1000.0	992.74	99.3
CADMIUM	1000.0	988.43	98.8
CALCIUM	50000.0	48400.98	96.8
COBALT	1000.0	980.45	98.0
COPPER	1000.0	1004.33	100.4
IRON	20000.0	20000.79	100.0
MAGNESIUM	50000.0	49377.29	98.8
MANGANESE	1000.0	979.86	98.0
NICKEL	1000.0	994.02	99.4
POTASSIUM	50000.0	50377.23	100.8
SODIUM	50000.0	52431.60	104.9
VANADIUM	1000.0	987.02	98.7
ZINC	1000.0	988.73	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:** WU2604

Concentration Units: ug/L

SAMPLE: CCV

File: BUH25A Aug 25, 2004 21:41

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49528.33	99.1
BARIUM	1000.0	985.93	98.6
BERYLLIUM	1000.0	999.29	99.9
CADMIUM	1000.0	987.34	98.7
CALCIUM	50000.0	48685.07	97.4
COBALT	1000.0	1002.43	100.2
COPPER	1000.0	995.68	99.6
IRON	20000.0	20121.53	100.6
MAGNESIUM	50000.0	49458.45	98.9
MANGANESE	1000.0	996.75	99.7
NICKEL	1000.0	1012.97	101.3
POTASSIUM	50000.0	49951.19	99.9
SODIUM	50000.0	50054.90	100.1
VANADIUM	1000.0	990.13	99.0
ZINC	1000.0	996.45	99.6

SAMPLE: CCV

File: BUH25A Aug 25, 2004 22:26

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50136.44	100.3
BARIUM	1000.0	995.15	99.5
BERYLLIUM	1000.0	991.94	99.2
CADMIUM	1000.0	998.79	99.9
CALCIUM	50000.0	48418.61	96.8
COBALT	1000.0	993.89	99.4
COPPER	1000.0	1007.10	100.7
IRON	20000.0	20058.12	100.3
MAGNESIUM	50000.0	49639.91	99.3
MANGANESE	1000.0	984.48	98.4
NICKEL	1000.0	999.26	99.9
POTASSIUM	50000.0	51462.24	102.9
SODIUM	50000.0	52572.88	105.1
VANADIUM	1000.0	990.00	99.0
ZINC	1000.0	994.26	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:** WU2604

Concentration Units: ug/L

SAMPLE: ICV

File: HUH24C Aug 25, 2004 10:09

Analyte	True	Found	%R (1)
MERCURY	6.0	-0.01	-0.2 *

SAMPLE: ICV

File: HUH24C Aug 25, 2004 10:12

Analyte	True	Found	%R (1)
MERCURY	6.0	5.49	91.5

(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:** WU2604

Concentration Units: ug/L

SAMPLE: CCV

File: HUH24C Aug 25, 2004 10:41

Analyte	True	Found	%R (1)
MERCURY	5.0	4.80	96.0

SAMPLE: CCV

File: HUH24C Aug 25, 2004 10:52

Analyte	True	Found	%R (1)
MERCURY	5.0	5.12	102.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH24HGS0

Matrix: SOIL **SDG Name:** WU2604

QC Batch ID: UH24HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSUH25ICS0

Matrix: SOIL **SDG Name:** WU2604

QC Batch ID: UH25ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ALUMINUM	1.790	U
ANTIMONY	0.230	U
ARSENIC	0.300	U
BARIUM	0.050	U
BERYLLIUM	0.030	U
CADMIUM	0.400	U
CALCIUM	5.944	
CHROMIUM	0.191	B
COBALT	0.440	U
COPPER	0.190	U
IRON	0.940	B
LEAD	0.170	U
MAGNESIUM	3.395	B
MANGANESE	0.121	B
NICKEL	1.080	U
POTASSIUM	65.213	B
SELENIUM	0.370	U
SILVER	0.070	U
SODIUM	2.487	B
THALLIUM	0.410	U
TIN	2.587	B
VANADIUM	0.410	U
ZINC	0.260	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Concentration Units: ug/L

SAMPLE: ICB

File: AUH31A Aug 31, 2004 13:17

Analyte	Result	C
ALUMINUM	33.83	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	-4.55	B
CHROMIUM	0.82	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 14:24

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	3.13	U
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 15:45

Analyte	Result	C
ALUMINUM	18.30	U
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	3.13	U
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Concentration Units: ug/L

SAMPLE: CCB

File: AUH31A Aug 31, 2004 17:05

Analyte	Result	C
ALUMINUM	-26.15	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	4.09	B
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUH31A Aug 31, 2004 18:30

Analyte	Result	C
ALUMINUM	-76.35	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	12.35	B
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.47	B
TIN	1.79	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Concentration Units: ug/L

SAMPLE: ICB

File: AUI01A Sep 01, 2004 12:45

Analyte	Result	C
ALUMINUM	-64.61	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	11.66	B
CHROMIUM	0.80	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
SILVER	0.83	B
THALLIUM	4.09	U
TIN	1.79	U

SAMPLE: CCB

File: AUI01A Sep 01, 2004 13:26

Analyte	Result	C
ALUMINUM	-58.37	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	3.13	U
CHROMIUM	-1.04	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	-14.94	B

SAMPLE: CCB

File: AUI01A Sep 01, 2004 14:37

Analyte	Result	C
ALUMINUM	28.13	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	-10.27	B
CHROMIUM	-0.80	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	4.09	U
TIN	-11.19	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Concentration Units: ug/L

SAMPLE: CCB

File: AUI01A Sep 01, 2004 15:52

Analyte	Result	C
ALUMINUM	-85.61	B
ANTIMONY	2.34	U
ARSENIC	3.03	U
CALCIUM	3.13	U
CHROMIUM	-0.98	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U
SELENIUM	3.71	U
SILVER	0.70	U
THALLIUM	5.44	B
TIN	-12.37	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Concentration Units: ug/L

SAMPLE: ICB

File: BUH25A Aug 25, 2004 15:32

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SODIUM	-20.67	B
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH25A Aug 25, 2004 16:06

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.53	U
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	31.18	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	415.53	B
SODIUM	-23.95	B
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH25A Aug 25, 2004 17:13

Analyte	Result	C
ALUMINUM	27.29	B
BARIUM	0.80	B
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	33.21	B
COBALT	4.36	U
COPPER	2.18	B
IRON	10.96	B
MAGNESIUM	46.82	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	484.30	B
SODIUM	61.24	B
VANADIUM	4.14	U
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Concentration Units: ug/L

SAMPLE: CCB

File: BUH25A Aug 25, 2004 18:23

Analyte	Result	C
ALUMINUM	29.81	B
BARIUM	0.53	U
BERYLLIUM	0.45	B
CADMIUM	3.97	U
CALCIUM	30.48	B
COBALT	4.36	U
COPPER	2.20	B
IRON	13.60	B
MAGNESIUM	48.67	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	703.10	B
SODIUM	20.41	B
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH25A Aug 25, 2004 19:31

Analyte	Result	C
ALUMINUM	42.28	B
BARIUM	0.81	B
BERYLLIUM	0.59	B
CADMIUM	3.97	U
CALCIUM	41.30	B
COBALT	4.36	U
COPPER	1.91	U
IRON	14.76	B
MAGNESIUM	42.18	B
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	274.47	B
SODIUM	20.21	B
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH25A Aug 25, 2004 20:39

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	-0.58	B
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SODIUM	-32.51	B
VANADIUM	4.14	U
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Concentration Units: ug/L

SAMPLE: CCB

File: BUH25A Aug 25, 2004 21:46

Analyte	Result	C
ALUMINUM	27.55	B
BARIUM	0.81	B
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	41.98	B
COBALT	4.36	U
COPPER	1.91	U
IRON	5.05	U
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	301.99	B
SODIUM	19.10	U
VANADIUM	4.14	U
ZINC	1.44	U

SAMPLE: CCB

File: BUH25A Aug 25, 2004 22:31

Analyte	Result	C
ALUMINUM	17.90	U
BARIUM	0.61	B
BERYLLIUM	0.27	U
CADMIUM	3.97	U
CALCIUM	21.40	U
COBALT	4.36	U
COPPER	1.91	U
IRON	7.23	B
MAGNESIUM	24.70	U
MANGANESE	1.17	U
NICKEL	10.80	U
POTASSIUM	238.00	U
SODIUM	23.16	B
VANADIUM	4.14	U
ZINC	1.44	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Concentration Units: ug/L

SAMPLE: ICB

File: HUH24C Aug 25, 2004 10:16

Analyte	Result	C
MERCURY	-0.02	B

SAMPLE: CCB

File: HUH24C Aug 25, 2004 10:43

Analyte	Result	C
MERCURY	-0.03	B

SAMPLE: CCB

File: HUH24C Aug 25, 2004 10:54

Analyte	Result	C
MERCURY	-0.02	B

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	2.34	P
ARSENIC	8.0	3.03	P
CHROMIUM	15	0.80	P
LEAD	5.0	1.70	P
SELENIUM	10	3.71	P
SILVER	15	0.70	P
THALLIUM	15	4.09	P
TIN	100	1.79	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	17.90	P
BARIUM	5.0	0.53	P
BERYLLIUM	5.0	0.27	P
CADMIUM	10	3.97	P
CALCIUM	50	21.40	P
COBALT	30	4.36	P
COPPER	25	1.91	P
IRON	100	5.05	P
MAGNESIUM	50	24.70	P
MANGANESE	5.0	1.17	P
NICKEL	40	10.80	P
POTASSIUM	1000	238.00	P
SODIUM	1000	19.10	P
VANADIUM	25	4.14	P
ZINC	25	1.44	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 4/28/2004

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 1/17/2003

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
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
TIN	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:** 1/17/2003

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

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH24HGS0

Matrix: SOIL **SDG Name:** WU2604

Method: CV **Prep Date:** 08/24/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH24HGS0	LCSOUH24HGS0	0.6	0.1
PBSUH24HGS0	PBSUH24HGS0	0.6	0.1
C03V-BF01-0804	WU2604-001	0.74	0.1
C03V-BF02-0804	WU2604-002	0.67	0.1
C03V-BF03-0804	WU2604-003	0.71	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UH25ICS0

Matrix: SOIL **SDG Name:** WU2604

Method: P **Prep Date:** 08/25/2004

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOUH25ICS0	LCSOUH25ICS0	1	0.1
PBSUH25ICS0	PBSUH25ICS0	1	0.1
C03V-BF01-0804	WU2604-001	1.17	0.1
C03V-BF02-0804	WU2604-002	1.24	0.1
C03V-BF03-0804	WU2604-003	1.23	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Instrument ID: TJA TRACE ICP **File Name:** AUH31A

Date: 8/31/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
S0		1	12:27	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
S1		1	12:34	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
AL IEC		1	12:43	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
FE IEC		1	12:50	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
MN IEC		1	12:57	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
IEC		1	13:03	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
ICV		1	13:10	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
ICB		1	13:17	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
PQL		1	13:24	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
CRI		1	13:30	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
ICSA		1	13:37	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
ZZZZZZ		1	14:02	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
ICSAB		1	14:09	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
CCV		1	14:18	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
CCB		1	14:24	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
ZZZZZZ		1	14:31						
ZZZZZZ		1	14:38						
ZZZZZZ		1	14:44						
ZZZZZZ		5	14:51						
ZZZZZZ		1	14:58						
ZZZZZZ		1	15:04						
ZZZZZZ		1	15:11						
ZZZZZZ		1	15:18						
ZZZZZZ		1	15:24						
ZZZZZZ		1	15:31						
CCV		1	15:38	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
CCB		1	15:45	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
ZZZZZZ		1	15:51						
ZZZZZZ		1	15:58						
ZZZZZZ		1	16:05						
ZZZZZZ		1	16:11						
ZZZZZZ		1	16:18						
ZZZZZZ		5	16:25						
ZZZZZZ		1	16:31						
ZZZZZZ		1	16:38						
ZZZZZZ		1	16:45						
ZZZZZZ		1	16:51						
CCV		1	16:58	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
CCB		1	17:05	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
ZZZZZZ		1	17:12						
ZZZZZZ		1	17:18						
ZZZZZZ		1	17:25						
ZZZZZZ		1	17:32						
LCSOUH25ICS0		1	17:43	Sb As	Cr	Pb	Se	Ag	Tl Sn
PBSUH25ICS0		1	17:50	Sb As	Cr	Pb	Se	Ag	Tl Sn
WU2604-001	C03V-BF01-0804	1	17:56	Sb As	Cr	Pb	Se	Ag	Tl Sn
CRI		1	18:03	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
ICSA		1	18:10	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
ICSAB		1	18:16	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn
CCV		1	18:23	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Instrument ID: TJA TRACE ICP **File Name:** AUH31A

Date: 8/31/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
CCB		1	18:30	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Instrument ID: TJA TRACE ICP **File Name:** AUI01A

Date: 9/1/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements							
S0		1	11:55	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
S1		1	12:02	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
AL IEC		1	12:12	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
FE IEC		1	12:18	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
MN IEC		1	12:25	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
IEC		1	12:32	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
ICV		1	12:39	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
ICB		1	12:45	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
PQL		1	12:52	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
CRI		1	12:59	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
ICSA		1	13:05	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
ICSAB		1	13:12	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
CCV		1	13:19	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
CCB		1	13:26	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
WU2604-002	C03V-BF02-0804	1	13:33		Sb	As		Cr		Pb		Se	Ag	Tl	Sn
WU2604-003	C03V-BF03-0804	1	13:39		Sb	As		Cr		Pb		Se	Ag	Tl	Sn
ZZZZZZ		1	13:46												
ZZZZZZ		1	13:53												
ZZZZZZ		1	14:01												
ZZZZZZ		1	14:08												
ZZZZZZ		10	14:17												
ZZZZZZ		1	14:23												
CCV		1	14:30	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
CCB		1	14:37	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
ZZZZZZ		1	14:43												
ZZZZZZ		1	14:50												
ZZZZZZ		100	14:57												
ZZZZZZ		100	15:03												
ZZZZZZ		100	15:10												
ZZZZZZ		1	15:17												
CRI		1	15:25	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
ICSA		1	15:32	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
ICSAB		1	15:39	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
CCV		1	15:46	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn
CCB		1	15:52	Al	Sb	As	Ca	Cr	Fe	Pb	Mg	Se	Ag	Tl	Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: **Katahdin Analytical Services** **SDG Name:** WU2604

Instrument ID: TJA 61 ICP **File Name:** BUH25A

Date: 8/25/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
S0		1	14:58	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
S1		1	15:04	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
AL IEC		1	15:10	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
FE IEC		1	15:18	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
ICV		1	15:26	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
ICB		1	15:32	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
PQL		1	15:38	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
CRI		1	15:43	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
ICSA		1	15:49	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
ICSAB		1	15:54	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
CCV		1	16:00	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
CCB		1	16:06	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
ZZZZZZ		1	16:11	
ZZZZZZ		1	16:17	
ZZZZZZ		1	16:23	
ZZZZZZ		1	16:28	
ZZZZZZ		1	16:34	
ZZZZZZ		1	16:40	
ZZZZZZ		1	16:45	
ZZZZZZ		1	16:51	
ZZZZZZ		1	16:56	
ZZZZZZ		5	17:02	
CCV		1	17:08	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
CCB		1	17:13	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
ZZZZZZ		1	17:19	
ZZZZZZ		1	17:25	
ZZZZZZ		1	17:30	
ZZZZZZ		1	17:36	
ZZZZZZ		1	17:42	
ZZZZZZ		1	17:47	
ZZZZZZ		1	17:53	
ZZZZZZ		20	18:01	
ZZZZZZ		5	18:06	
ZZZZZZ		20	18:12	
CCV		1	18:18	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
CCB		1	18:23	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
ZZZZZZ		20	18:29	
ZZZZZZ		5	18:35	
ZZZZZZ		2	18:40	
ZZZZZZ		5	18:46	
ZZZZZZ		5	18:51	
ZZZZZZ		5	18:57	
ZZZZZZ		1	19:03	
CRI		1	19:08	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
ICSA		1	19:14	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
ICSAB		1	19:20	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
CCV		1	19:25	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
CCB		1	19:31	Al Ba Be Cd Ca Co Cu Fe Mg Mn Ni K Na V Zn
ZZZZZZ		1	19:37	
ZZZZZZ		1	19:42	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Instrument ID: TJA 61 ICP **File Name:** BUH25A

Date: 8/25/2004 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements									
ZZZZZZ		5	19:48										
ZZZZZZ		1	19:53										
ZZZZZZ		1	19:59										
ZZZZZZ		1	20:05										
ZZZZZZ		1	20:10										
ZZZZZZ		1	20:16										
ZZZZZZ		1	20:22										
ZZZZZZ		1	20:27										
CCV		1	20:33	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
CCB		1	20:39	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
ZZZZZZ		1	20:44										
ZZZZZZ		1	20:50										
ZZZZZZ		1	20:55										
ZZZZZZ		1	21:01										
ZZZZZZ		1	21:07										
PBSUH25ICS0		1	21:12	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
LCSOUH25ICS0		1	21:18	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
WU2604-001	C03V-BF01-0804	1	21:24	Al	Ba Be	Cd	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
WU2604-002	C03V-BF02-0804	1	21:29	Al	Ba Be	Cd	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
WU2604-003	C03V-BF03-0804	1	21:35	Al	Ba Be	Cd	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
CCV		1	21:41	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
CCB		1	21:46	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
WU2604-001	C03V-BF01-0804	10	21:52			Ca							
WU2604-002	C03V-BF02-0804	10	21:57			Ca							
WU2604-003	C03V-BF03-0804	10	22:03			Ca							
CRI		1	22:09	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
ICSA		1	22:14	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
ICSAB		1	22:20	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
CCV		1	22:26	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		
CCB		1	22:31	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn		

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WU2604

Instrument ID: CETAC M6100 **File Name:** HUH24C

Date: 8/25/2004 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	9:56	Hg
Standard #1 (0.2 p		1	9:58	Hg
Standard #2 (0.5 p		1	10:00	Hg
Standard #3 (1.0 p		1	10:02	Hg
Standard #4 (5.0 p		1	10:04	Hg
Standard #5 (10.0		1	10:06	Hg
ICV		1	10:09	HG
ICV		1	10:12	HG
ICB		1	10:16	HG
CRA		1	10:18	HG
LCSOUH24HGS0		1	10:20	HG
PBSUH24HGS0		1	10:22	HG
ZZZZZZ		1	10:24	
ZZZZZZ		1	10:28	
ZZZZZZ		1	10:31	
ZZZZZZ		1	10:33	
ZZZZZZ		1	10:35	
ZZZZZZ		1	10:37	
ZZZZZZ		1	10:39	
CCV		1	10:41	HG
CCB		1	10:43	HG
WU2604-001	C03V-BF01-0804	1	10:45	HG
WU2604-002	C03V-BF02-0804	1	10:48	HG
WU2604-003	C03V-BF03-0804	1	10:50	HG
CCV		1	10:52	HG
CCB		1	10:54	HG

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **C. BRYAN** **DATE:** **JUNE 28, 2004**

FROM: **EDWARD SEDLMYER** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- SVOA**
CTO 349, NAS KEY WEST
SDG F24649

SAMPLES: 40/Solid

C03D-01C-06-0604	C03D-01C-12-0604	C03D-01C-24-0604
C03D-02C-06-0604	C03D-02C-12-0604	C03D-02C-24-0604
C03D-03C-06-0604	C03D-03C-12-0604	C03D-03C-24-0604
C03D-04C-06-0604	C03D-04C-12-0604	C03D-04C-24-0604
C03D-08C-06-0604	C03D-08C-12-0604	C03D-08C-24-0604
C03D-12C-06-0604	C03D-12C-12-0604	C03D-12C-24-0604
C03D-13C-06-0604	C03D-13C-12-0604	C03D-13C-24-0604
C03D-14C-06-0604	C03D-14C-12-0604	C03D-14C-24-0604
C03D-15C-06-0604	C03D-15C-12-0604	C03D-15C-24-0604
C03D-16C-06-0604	C03D-16C-12-0604	C03D-16C-24-0604
C03D-5C-06-0604	C03D-5C-12-0604	C03D-5C-24-0604
C03D-9C-06-0604	C03D-9C-12-0604	C03D-9C-24-0604
KW-DUP-01-0604	KW-DUP-02-0604	KW-DUP-03-0604
KW-DUP-04-0604		

OVERVIEW

The sample set for CTO 349 NAS Key West, SDG F24649 consists of forty (40) solid environmental samples. All samples were analyzed for TCL semivolatile organic compounds (SVOA). Four field duplicates were associated with this SDG: KW-DUP-01-0604 / C03D-01C-06-0604, KW-DUP-02-0604 / C03D-01C-12-0604, KW-DUP-03-0604 / C03D-01C-24-0604, and KW-DUP-04-0604 / C03D-15C-12-0604.

The samples were collected by TetraTech NUS on June 5, 6, and 7, 2004 and analyzed by Accutest Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Method 8270C analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- * Data completeness
- * Holding times
- * Initial/continuing calibrations
- * Laboratory method blank results
- * Surrogate Recoveries
- * Field Duplicates
- Detection Limits

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

Semivolatiles

The laboratory method detection limit was greater than the action level defined in the laboratory specification for dibenzo (a,h) anthracene and N-nitroso-di-n-propylamine. No action was taken on this basis.

Additional Comments:

Positive results less than the reporting limit (RL) were qualified as estimated "J", due to uncertainty near the detection limit.

Positive results were reported for benzo(a)anthracene, chrysene, fluoranthene, phenanthrene, and pyrene in sample KW-DUP-01-0604. The aforementioned analytes were not detected in the corresponding field duplicate, C03D-01C-06-0604. No validation action was taken because the difference between the results is less than 2X the reporting limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Method detection limits for dibenzo (a,h) anthracene and N-nitroso-di-n-propylamine were greater than defined in the laboratory specification.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines 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)."

Edward Sedlmyer
Tetra Tech NUS

Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

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: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-01C-06-0604
samp_date	6/6/2004
lab_id	F24649-10
qc_type	NM
units	UG/KG
Pct_Solids	97.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	67	U	
2,6-DINITROTOLUENE	67	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	84	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	84	U	
4,6-DINITRO-2-METHYLPHENOL	67	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	84	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

nsample	C03D-01C-06-0604
samp_date	6/6/2004
lab_id	F24649-10
qc_type	NM
units	UG/KG
Pct_Solids	97.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	67	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	67	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	84	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	67	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	84	U	
DIMETHYL PHTHALATE	84	U	
DI-N-BUTYL PHTHALATE	84	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	67	U	
HEXACHLOROCYCLOPENTADIENE	67	U	
HEXACHLOROETHANE	67	U	
INDENO(1,2,3-CD)PYRENE	67	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	67	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	67	U	

nsample	C03D-01C-12-0604
samp_date	6/6/2004
lab_id	F24649-11
qc_type	NM
units	UG/KG
Pct_Solids	95.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	87	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	87	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	87	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-01C-12-0604
samp_date	6/6/2004
lab_id	F24649-11
qc_type	NM
units	UG/KG
Pct_Solids	95.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	87	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	87	U	
DIMETHYL PHTHALATE	87	U	
DI-N-BUTYL PHTHALATE	87	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	69	U	

nsample	C03D-01C-24-0604
samp_date	6/6/2004
lab_id	F24649-12
qc_type	NM
units	UG/KG
Pct_Solids	95.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

nsample	C03D-01C-24-0604
samp_date	6/6/2004
lab_id	F24649-12
qc_type	NM
units	UG/KG
Pct_Solids	95.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	69	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-02C-06-0604	nsample	C03D-02C-06-0604	nsample	C03D-02C-12-0604
samp_date	6/6/2004	samp_date	6/6/2004	samp_date	6/6/2004
lab_id	F24649-16	lab_id	F24649-16	lab_id	F24649-17
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	95.8	Pct_Solids	95.8	Pct_Solids	95.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	69	U	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	87	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	87	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	87	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-02C-12-0604
samp_date	6/6/2004
lab_id	F24649-17
qc_type	NM
units	UG/KG
Pct_Solids	95.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	87	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	87	U	
DIMETHYL PHTHALATE	87	U	
DI-N-BUTYL PHTHALATE	87	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	69	U	

nsample	C03D-02C-24-0604
samp_date	6/6/2004
lab_id	F24649-18
qc_type	NM
units	UG/KG
Pct_Solids	94.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	70	U	
2,6-DINITROTOLUENE	70	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	88	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	88	U	
4,6-DINITRO-2-METHYLPHENOL	70	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	88	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

nsample	C03D-02C-24-0604
samp_date	6/6/2004
lab_id	F24649-18
qc_type	NM
units	UG/KG
Pct_Solids	94.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	70	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	70	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	88	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	70	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	88	U	
DIMETHYL PHTHALATE	88	U	
DI-N-BUTYL PHTHALATE	88	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	70	U	
HEXACHLOROCYCLOPENTADIENE	70	U	
HEXACHLOROETHANE	70	U	
INDENO(1,2,3-CD)PYRENE	70	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	70	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	70	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-03C-06-0604	nsample	C03D-03C-06-0604	nsample	C03D-03C-12-0604
samp_date	6/6/2004	samp_date	6/6/2004	samp_date	6/6/2004
lab_id	F24649-19	lab_id	F24649-19	lab_id	F24649-20
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	97.9	Pct_Solids	97.9	Pct_Solids	97.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	33	U	
1,2-DICHLOROBENZENE	33	U	
1,3-DICHLOROBENZENE	33	U	
1,4-DICHLOROBENZENE	33	U	
2,4,5-TRICHLOROPHENOL	33	U	
2,4,6-TRICHLOROPHENOL	33	U	
2,4-DICHLOROPHENOL	33	U	
2,4-DIMETHYLPHENOL	33	U	
2,4-DINITROPHENOL	330	U	
2,4-DINITROTOLUENE	66	U	
2,6-DINITROTOLUENE	66	U	
2-CHLORONAPHTHALENE	33	U	
2-CHLOROPHENOL	33	U	
2-METHYLNAPHTHALENE	33	U	
2-METHYLPHENOL	33	U	
2-NITROANILINE	83	U	
2-NITROPHENOL	33	U	
3&4-METHYLPHENOL	33	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	83	U	
4,6-DINITRO-2-METHYLPHENOL	66	U	
4-BROMOPHENYL PHENYL ETHER	33	U	
4-CHLORO-3-METHYLPHENOL	33	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	33	U	
4-NITROANILINE	83	U	
4-NITROPHENOL	330	U	
ACENAPHTHENE	33	U	
ACENAPHTHYLENE	33	U	
ANTHRACENE	33	U	
BENZO(A)ANTHRACENE	33	U	
BENZO(A)PYRENE	33	U	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	33	U	
BENZO(G,H,I)PERYLENE	66	U	
BENZO(K)FLUORANTHENE	33	U	
BIS(2-CHLOROETHOXY)METHANE	33	U	
BIS(2-CHLOROETHYL)ETHER	66	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	83	U	
CARBAZOLE	33	U	
CHRYSENE	33	U	
DIBENZO(A,H)ANTHRACENE	66	U	
DIBENZOFURAN	33	U	
DIETHYL PHTHALATE	83	U	
DIMETHYL PHTHALATE	83	U	
DI-N-BUTYL PHTHALATE	83	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	33	U	
FLUORENE	33	U	
HEXACHLOROBENZENE	33	U	
HEXACHLOROBUTADIENE	66	U	
HEXACHLOROCYCLOPENTADIENE	66	U	
HEXACHLOROETHANE	66	U	
INDENO(1,2,3-CD)PYRENE	66	U	
ISOPHORONE	33	U	
NAPHTHALENE	33	U	
NITROBENZENE	33	U	
N-NITROSO-DI-N-PROPYLAMINE	66	U	
N-NITROSODIPHENYLAMINE	33	U	
PENTACHLOROPHENOL	330	U	
PHENANTHRENE	33	U	
PHENOL	33	U	
PYRENE	66	U	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	68	U	
2,6-DINITROTOLUENE	68	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	85	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	85	U	
4,6-DINITRO-2-METHYLPHENOL	68	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	85	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-03C-12-0604
samp_date	6/6/2004
lab_id	F24649-20
qc_type	NM
units	UG/KG
Pct_Solids	97.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	68	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	68	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	85	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	68	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	85	U	
DIMETHYL PHTHALATE	85	U	
DI-N-BUTYL PHTHALATE	85	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	68	U	
HEXACHLOROCYCLOPENTADIENE	68	U	
HEXACHLOROETHANE	68	U	
INDENO(1,2,3-CD)PYRENE	68	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	68	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	68	U	

nsample	C03D-03C-24-0604
samp_date	6/6/2004
lab_id	F24649-21
qc_type	NM
units	UG/KG
Pct_Solids	96.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	68	U	
2,6-DINITROTOLUENE	68	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	85	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	85	U	
4,6-DINITRO-2-METHYLPHENOL	68	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	85	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

nsample	C03D-03C-24-0604
samp_date	6/6/2004
lab_id	F24649-21
qc_type	NM
units	UG/KG
Pct_Solids	96.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	68	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	68	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	85	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	68	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	85	U	
DIMETHYL PHTHALATE	85	U	
DI-N-BUTYL PHTHALATE	85	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	68	U	
HEXACHLOROCYCLOPENTADIENE	68	U	
HEXACHLOROETHANE	68	U	
INDENO(1,2,3-CD)PYRENE	68	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	68	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	68	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-04C-06-0604
samp_date	6/6/2004
lab_id	F24649-22
qc_type	NM
units	UG/KG
Pct_Solids	97.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	33	U	
1,2-DICHLOROBENZENE	33	U	
1,3-DICHLOROBENZENE	33	U	
1,4-DICHLOROBENZENE	33	U	
2,4,5-TRICHLOROPHENOL	33	U	
2,4,6-TRICHLOROPHENOL	33	U	
2,4-DICHLOROPHENOL	33	U	
2,4-DIMETHYLPHENOL	33	U	
2,4-DINITROPHENOL	330	U	
2,4-DINITROTOLUENE	67	U	
2,6-DINITROTOLUENE	67	U	
2-CHLORONAPHTHALENE	33	U	
2-CHLOROPHENOL	33	U	
2-METHYLNAPHTHALENE	33	U	
2-METHYLPHENOL	33	U	
2-NITROANILINE	83	U	
2-NITROPHENOL	33	U	
3&4-METHYLPHENOL	33	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	83	U	
4,6-DINITRO-2-METHYLPHENOL	67	U	
4-BROMOPHENYL PHENYL ETHER	33	U	
4-CHLORO-3-METHYLPHENOL	33	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	33	U	
4-NITROANILINE	83	U	
4-NITROPHENOL	330	U	
ACENAPHTHENE	33	U	
ACENAPHTHYLENE	33	U	
ANTHRACENE	33	U	
BENZO(A)ANTHRACENE	33	U	
BENZO(A)PYRENE	33	U	

nsample	C03D-04C-06-0604
samp_date	6/6/2004
lab_id	F24649-22
qc_type	NM
units	UG/KG
Pct_Solids	97.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	33	U	
BENZO(G,H,I)PERYLENE	67	U	
BENZO(K)FLUORANTHENE	33	U	
BIS(2-CHLOROETHOXY)METHANE	33	U	
BIS(2-CHLOROETHYL)ETHER	67	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	83	U	
CARBAZOLE	33	U	
CHRYSENE	33	U	
DIBENZO(A,H)ANTHRACENE	67	U	
DIBENZOFURAN	33	U	
DIETHYL PHTHALATE	83	U	
DIMETHYL PHTHALATE	83	U	
DI-N-BUTYL PHTHALATE	83	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	33	U	
FLUORENE	33	U	
HEXACHLOROBENZENE	33	U	
HEXACHLOROBUTADIENE	67	U	
HEXACHLOROCYCLOPENTADIENE	67	U	
HEXACHLOROETHANE	67	U	
INDENO(1,2,3-CD)PYRENE	67	U	
ISOPHORONE	33	U	
NAPHTHALENE	33	U	
NITROBENZENE	33	U	
N-NITROSO-DI-N-PROPYLAMINE	67	U	
N-NITROSODIPHENYLAMINE	33	U	
PENTACHLOROPHENOL	330	U	
PHENANTHRENE	33	U	
PHENOL	33	U	
PYRENE	67	U	

nsample	C03D-04C-12-0604
samp_date	6/6/2004
lab_id	F24649-23
qc_type	NM
units	UG/KG
Pct_Solids	95.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	70	U	
2,6-DINITROTOLUENE	70	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	87	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	87	U	
4,6-DINITRO-2-METHYLPHENOL	70	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	87	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-04C-12-0604
samp_date	6/6/2004
lab_id	F24649-23
qc_type	NM
units	UG/KG
Pct_Solids	95.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	70	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	70	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	87	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	70	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	87	U	
DIMETHYL PHTHALATE	87	U	
DI-N-BUTYL PHTHALATE	87	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	70	U	
HEXACHLOROCYCLOPENTADIENE	70	U	
HEXACHLOROETHANE	70	U	
INDENO(1,2,3-CD)PYRENE	70	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	70	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	70	U	

nsample	C03D-04C-24-0604
samp_date	6/6/2004
lab_id	F24649-24
qc_type	NM
units	UG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	87	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	87	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	87	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

nsample	C03D-04C-24-0604
samp_date	6/6/2004
lab_id	F24649-24
qc_type	NM
units	UG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	87	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	87	U	
DIMETHYL PHTHALATE	87	U	
DI-N-BUTYL PHTHALATE	87	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	69	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-08C-06-0604	nsample	C03D-08C-06-0604	nsample	C03D-08C-12-0604
samp_date	6/7/2004	samp_date	6/7/2004	samp_date	6/7/2004
lab_id	F24649-31	lab_id	F24649-31	lab_id	F24649-32
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	98.2	Pct_Solids	98.2	Pct_Solids	96.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	67	U	
2,6-DINITROTOLUENE	67	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	84	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	84	U	
4,6-DINITRO-2-METHYLPHENOL	67	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	84	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	67	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	67	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	84	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	67	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	84	U	
DIMETHYL PHTHALATE	84	U	
DI-N-BUTYL PHTHALATE	84	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	67	U	
HEXACHLOROCYCLOPENTADIENE	67	U	
HEXACHLOROETHANE	67	U	
INDENO(1,2,3-CD)PYRENE	67	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	67	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	67	U	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-08C-12-0604
samp_date	6/7/2004
lab_id	F24649-32
qc_type	NM
units	UG/KG
Pct_Solids	96.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	69	U	

nsample	C03D-08C-24-0604
samp_date	6/7/2004
lab_id	F24649-33
qc_type	NM
units	UG/KG
Pct_Solids	93.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	36	U	
1,2-DICHLOROBENZENE	36	U	
1,3-DICHLOROBENZENE	36	U	
1,4-DICHLOROBENZENE	36	U	
2,4,5-TRICHLOROPHENOL	36	U	
2,4,6-TRICHLOROPHENOL	36	U	
2,4-DICHLOROPHENOL	36	U	
2,4-DIMETHYLPHENOL	36	U	
2,4-DINITROPHENOL	360	U	
2,4-DINITROTOLUENE	71	U	
2,6-DINITROTOLUENE	71	U	
2-CHLORONAPHTHALENE	36	U	
2-CHLOROPHENOL	36	U	
2-METHYLNAPHTHALENE	36	U	
2-METHYLPHENOL	36	U	
2-NITROANILINE	89	U	
2-NITROPHENOL	36	U	
3&4-METHYLPHENOL	36	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	89	U	
4,6-DINITRO-2-METHYLPHENOL	71	U	
4-BROMOPHENYL PHENYL ETHER	36	U	
4-CHLORO-3-METHYLPHENOL	36	U	
4-CHLOROANILINE	270	U	
4-CHLOROPHENYL PHENYL ETHER	36	U	
4-NITROANILINE	89	U	
4-NITROPHENOL	360	U	
ACENAPHTHENE	36	U	
ACENAPHTHYLENE	36	U	
ANTHRACENE	36	U	
BENZO(A)ANTHRACENE	36	U	
BENZO(A)PYRENE	36	U	

nsample	C03D-08C-24-0604
samp_date	6/7/2004
lab_id	F24649-33
qc_type	NM
units	UG/KG
Pct_Solids	93.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	36	U	
BENZO(G,H,I)PERYLENE	71	U	
BENZO(K)FLUORANTHENE	36	U	
BIS(2-CHLOROETHOXY)METHANE	36	U	
BIS(2-CHLOROETHYL)ETHER	71	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	89	U	
CARBAZOLE	36	U	
CHRYSENE	36	U	
DIBENZO(A,H)ANTHRACENE	71	U	
DIBENZOFURAN	36	U	
DIETHYL PHTHALATE	89	U	
DIMETHYL PHTHALATE	89	U	
DI-N-BUTYL PHTHALATE	89	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	36	U	
FLUORENE	36	U	
HEXACHLOROBENZENE	36	U	
HEXACHLOROBUTADIENE	71	U	
HEXACHLOROCYCLOPENTADIENE	71	U	
HEXACHLOROETHANE	71	U	
INDENO(1,2,3-CD)PYRENE	71	U	
ISOPHORONE	36	U	
NAPHTHALENE	36	U	
NITROBENZENE	36	U	
N-NITROSO-DI-N-PROPYLAMINE	71	U	
N-NITROSODIPHENYLAMINE	36	U	
PENTACHLOROPHENOL	360	U	
PHENANTHRENE	36	U	
PHENOL	36	U	
PYRENE	71	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-12C-06-0604
samp_date	6/7/2004
lab_id	F24649-28
qc_type	NM
units	UG/KG
Pct_Solids	98.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	33	U	
1,2-DICHLOROBENZENE	33	U	
1,3-DICHLOROBENZENE	33	U	
1,4-DICHLOROBENZENE	33	U	
2,4,5-TRICHLOROPHENOL	33	U	
2,4,6-TRICHLOROPHENOL	33	U	
2,4-DICHLOROPHENOL	33	U	
2,4-DIMETHYLPHENOL	33	U	
2,4-DINITROPHENOL	330	U	
2,4-DINITROTOLUENE	66	U	
2,6-DINITROTOLUENE	66	U	
2-CHLORONAPHTHALENE	33	U	
2-CHLOROPHENOL	33	U	
2-METHYLNAPHTHALENE	33	U	
2-METHYLPHENOL	33	U	
2-NITROANILINE	83	U	
2-NITROPHENOL	33	U	
3&4-METHYLPHENOL	33	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	83	U	
4,6-DINITRO-2-METHYLPHENOL	66	U	
4-BROMOPHENYL PHENYL ETHER	33	U	
4-CHLORO-3-METHYLPHENOL	33	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	33	U	
4-NITROANILINE	83	U	
4-NITROPHENOL	330	U	
ACENAPHTHENE	33	U	
ACENAPHTHYLENE	33	U	
ANTHRACENE	33	U	
BENZO(A)ANTHRACENE	33	U	
BENZO(A)PYRENE	33	U	

nsample	C03D-12C-06-0604
samp_date	6/7/2004
lab_id	F24649-28
qc_type	NM
units	UG/KG
Pct_Solids	98.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	33	U	
BENZO(G,H,I)PERYLENE	66	U	
BENZO(K)FLUORANTHENE	33	U	
BIS(2-CHLOROETHOXY)METHANE	33	U	
BIS(2-CHLOROETHYL)ETHER	66	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	83	U	
CARBAZOLE	33	U	
CHRYSENE	33	U	
DIBENZO(A,H)ANTHRACENE	66	U	
DIBENZOFURAN	33	U	
DIETHYL PHTHALATE	83	U	
DIMETHYL PHTHALATE	83	U	
DI-N-BUTYL PHTHALATE	83	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	33	U	
FLUORENE	33	U	
HEXACHLOROBENZENE	33	U	
HEXACHLOROBUTADIENE	66	U	
HEXACHLOROCYCLOPENTADIENE	66	U	
HEXACHLOROETHANE	66	U	
INDENO(1,2,3-CD)PYRENE	66	U	
ISOPHORONE	33	U	
NAPHTHALENE	33	U	
NITROBENZENE	33	U	
N-NITROSO-DI-N-PROPYLAMINE	66	U	
N-NITROSODIPHENYLAMINE	33	U	
PENTACHLOROPHENOL	330	U	
PHENANTHRENE	33	U	
PHENOL	33	U	
PYRENE	66	U	

nsample	C03D-12C-12-0604
samp_date	6/7/2004
lab_id	F24649-29
qc_type	NM
units	UG/KG
Pct_Solids	95.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-12C-12-0604
samp_date	6/7/2004
lab_id	F24649-29
qc_type	NM
units	UG/KG
Pct_Solids	95.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	69	U	

nsample	C03D-12C-24-0604
samp_date	6/7/2004
lab_id	F24649-30
qc_type	NM
units	UG/KG
Pct_Solids	86.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	38	U	
1,2-DICHLOROBENZENE	38	U	
1,3-DICHLOROBENZENE	38	U	
1,4-DICHLOROBENZENE	38	U	
2,4,5-TRICHLOROPHENOL	38	U	
2,4,6-TRICHLOROPHENOL	38	U	
2,4-DICHLOROPHENOL	38	U	
2,4-DIMETHYLPHENOL	38	U	
2,4-DINITROPHENOL	380	U	
2,4-DINITROTOLUENE	77	U	
2,6-DINITROTOLUENE	77	U	
2-CHLORONAPHTHALENE	38	U	
2-CHLOROPHENOL	38	U	
2-METHYLNAPHTHALENE	38	U	
2-METHYLPHENOL	38	U	
2-NITROANILINE	96	U	
2-NITROPHENOL	38	U	
3&4-METHYLPHENOL	38	U	
3,3'-DICHLOROBENZIDINE	190	U	
3-NITROANILINE	96	U	
4,6-DINITRO-2-METHYLPHENOL	77	U	
4-BROMOPHENYL PHENYL ETHER	38	U	
4-CHLORO-3-METHYLPHENOL	38	U	
4-CHLOROANILINE	290	U	
4-CHLOROPHENYL PHENYL ETHER	38	U	
4-NITROANILINE	96	U	
4-NITROPHENOL	380	U	
ACENAPHTHENE	38	U	
ACENAPHTHYLENE	38	U	
ANTHRACENE	38	U	
BENZO(A)ANTHRACENE	38	U	
BENZO(A)PYRENE	38	U	

nsample	C03D-12C-24-0604
samp_date	6/7/2004
lab_id	F24649-30
qc_type	NM
units	UG/KG
Pct_Solids	86.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	38	U	
BENZO(G,H,I)PERYLENE	77	U	
BENZO(K)FLUORANTHENE	38	U	
BIS(2-CHLOROETHOXY)METHANE	38	U	
BIS(2-CHLOROETHYL)ETHER	77	U	
BIS(2-ETHYLHEXYL)PHTHALATE	190	U	
BUTYL BENZYL PHTHALATE	96	U	
CARBAZOLE	38	U	
CHRYSENE	38	U	
DIBENZO(A,H)ANTHRACENE	77	U	
DIBENZOFURAN	38	U	
DIETHYL PHTHALATE	96	U	
DIMETHYL PHTHALATE	96	U	
DI-N-BUTYL PHTHALATE	96	U	
DI-N-OCTYL PHTHALATE	190	U	
FLUORANTHENE	38	U	
FLUORENE	38	U	
HEXACHLOROBENZENE	38	U	
HEXACHLOROBUTADIENE	77	U	
HEXACHLOROCYCLOPENTADIENE	77	U	
HEXACHLOROETHANE	77	U	
INDENO(1,2,3-CD)PYRENE	77	U	
ISOPHORONE	38	U	
NAPHTHALENE	38	U	
NITROBENZENE	38	U	
N-NITROSO-DI-N-PROPYLAMINE	77	U	
N-NITROSODIPHENYLAMINE	38	U	
PENTACHLOROPHENOL	380	U	
PHENANTHRENE	38	U	
PHENOL	38	U	
PYRENE	77	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-13C-06-0604
samp_date	6/5/2004
lab_id	F24649-1
qc_type	NM
units	UG/KG
Pct_Solids	94.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

nsample	C03D-13C-06-0604
samp_date	6/5/2004
lab_id	F24649-1
qc_type	NM
units	UG/KG
Pct_Solids	94.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	37.3	J	P
BENZO(G,H,I)PERYLENE	88.5	J	P
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	69	U	

nsample	C03D-13C-12-0604
samp_date	6/5/2004
lab_id	F24649-2
qc_type	NM
units	UG/KG
Pct_Solids	91.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	36	U	
1,2-DICHLOROBENZENE	36	U	
1,3-DICHLOROBENZENE	36	U	
1,4-DICHLOROBENZENE	36	U	
2,4,5-TRICHLOROPHENOL	36	U	
2,4,6-TRICHLOROPHENOL	36	U	
2,4-DICHLOROPHENOL	36	U	
2,4-DIMETHYLPHENOL	36	U	
2,4-DINITROPHENOL	360	U	
2,4-DINITROTOLUENE	72	U	
2,6-DINITROTOLUENE	72	U	
2-CHLORONAPHTHALENE	36	U	
2-CHLOROPHENOL	36	U	
2-METHYLNAPHTHALENE	36	U	
2-METHYLPHENOL	36	U	
2-NITROANILINE	90	U	
2-NITROPHENOL	36	U	
3&4-METHYLPHENOL	36	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	90	U	
4,6-DINITRO-2-METHYLPHENOL	72	U	
4-BROMOPHENYL PHENYL ETHER	36	U	
4-CHLORO-3-METHYLPHENOL	36	U	
4-CHLOROANILINE	270	U	
4-CHLOROPHENYL PHENYL ETHER	36	U	
4-NITROANILINE	90	U	
4-NITROPHENOL	360	U	
ACENAPHTHENE	36	U	
ACENAPHTHYLENE	36	U	
ANTHRACENE	36	U	
BENZO(A)ANTHRACENE	36	U	
BENZO(A)PYRENE	36	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-13C-12-0604
samp_date	6/5/2004
lab_id	F24649-2
qc_type	NM
units	UG/KG
Pct_Solids	91.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	36	U	
BENZO(G,H,I)PERYLENE	72	U	
BENZO(K)FLUORANTHENE	36	U	
BIS(2-CHLOROETHOXY)METHANE	36	U	
BIS(2-CHLOROETHYL)ETHER	72	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	90	U	
CARBAZOLE	36	U	
CHRYSENE	36	U	
DIBENZO(A,H)ANTHRACENE	72	U	
DIBENZOFURAN	36	U	
DIETHYL PHTHALATE	90	U	
DIMETHYL PHTHALATE	90	U	
DI-N-BUTYL PHTHALATE	90	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	36	U	
FLUORENE	36	U	
HEXACHLOROBENZENE	36	U	
HEXACHLOROBUTADIENE	72	U	
HEXACHLOROCYCLOPENTADIENE	72	U	
HEXACHLOROETHANE	72	U	
INDENO(1,2,3-CD)PYRENE	72	U	
ISOPHORONE	36	U	
NAPHTHALENE	36	U	
NITROBENZENE	36	U	
N-NITROSO-DI-N-PROPYLAMINE	72	U	
N-NITROSODIPHENYLAMINE	36	U	
PENTACHLOROPHENOL	360	U	
PHENANTHRENE	36	U	
PHENOL	36	U	
PYRENE	72	U	

nsample	C03D-13C-24-0604
samp_date	6/5/2004
lab_id	F24649-3
qc_type	NM
units	UG/KG
Pct_Solids	90.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	37	U	
1,2-DICHLOROBENZENE	37	U	
1,3-DICHLOROBENZENE	37	U	
1,4-DICHLOROBENZENE	37	U	
2,4,5-TRICHLOROPHENOL	37	U	
2,4,6-TRICHLOROPHENOL	37	U	
2,4-DICHLOROPHENOL	37	U	
2,4-DIMETHYLPHENOL	37	U	
2,4-DINITROPHENOL	370	U	
2,4-DINITROTOLUENE	73	U	
2,6-DINITROTOLUENE	73	U	
2-CHLORONAPHTHALENE	37	U	
2-CHLOROPHENOL	37	U	
2-METHYLNAPHTHALENE	37	U	
2-METHYLPHENOL	37	U	
2-NITROANILINE	91	U	
2-NITROPHENOL	37	U	
3&4-METHYLPHENOL	37	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	91	U	
4,6-DINITRO-2-METHYLPHENOL	73	U	
4-BROMOPHENYL PHENYL ETHER	37	U	
4-CHLORO-3-METHYLPHENOL	37	U	
4-CHLOROANILINE	270	U	
4-CHLOROPHENYL PHENYL ETHER	37	U	
4-NITROANILINE	91	U	
4-NITROPHENOL	370	U	
ACENAPHTHENE	37	U	
ACENAPHTHYLENE	37	U	
ANTHRACENE	37	U	
BENZO(A)ANTHRACENE	60.3	J	P
BENZO(A)PYRENE	43.7	J	P

nsample	C03D-13C-24-0604
samp_date	6/5/2004
lab_id	F24649-3
qc_type	NM
units	UG/KG
Pct_Solids	90.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	43.5	J	P
BENZO(G,H,I)PERYLENE	73	U	
BENZO(K)FLUORANTHENE	37	U	
BIS(2-CHLOROETHOXY)METHANE	37	U	
BIS(2-CHLOROETHYL)ETHER	73	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	91	U	
CARBAZOLE	37	U	
CHRYSENE	66.3	J	P
DIBENZO(A,H)ANTHRACENE	73	U	
DIBENZOFURAN	37	U	
DIETHYL PHTHALATE	91	U	
DIMETHYL PHTHALATE	91	U	
DI-N-BUTYL PHTHALATE	91	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	99.7	J	P
FLUORENE	37	U	
HEXACHLOROBENZENE	37	U	
HEXACHLOROBUTADIENE	73	U	
HEXACHLOROCYCLOPENTADIENE	73	U	
HEXACHLOROETHANE	73	U	
INDENO(1,2,3-CD)PYRENE	73	U	
ISOPHORONE	37	U	
NAPHTHALENE	37	U	
NITROBENZENE	37	U	
N-NITROSO-DI-N-PROPYLAMINE	73	U	
N-NITROSODIPHENYLAMINE	37	U	
PENTACHLOROPHENOL	370	U	
PHENANTHRENE	96.9	J	P
PHENOL	37	U	
PYRENE	107	J	P

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-14C-06-0604
samp_date	6/7/2004
lab_id	F24649-38
qc_type	NM
units	UG/KG
Pct_Solids	98.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	68	U	
2,6-DINITROTOLUENE	68	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	84	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	84	U	
4,6-DINITRO-2-METHYLPHENOL	68	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	84	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

nsample	C03D-14C-06-0604
samp_date	6/7/2004
lab_id	F24649-38
qc_type	NM
units	UG/KG
Pct_Solids	98.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	68	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	68	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	84	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	68	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	84	U	
DIMETHYL PHTHALATE	84	U	
DI-N-BUTYL PHTHALATE	84	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	68	U	
HEXACHLOROCYCLOPENTADIENE	68	U	
HEXACHLOROETHANE	68	U	
INDENO(1,2,3-CD)PYRENE	68	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	68	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	68	U	

nsample	C03D-14C-12-0604
samp_date	6/7/2004
lab_id	F24649-39
qc_type	NM
units	UG/KG
Pct_Solids	96.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	68	U	
2,6-DINITROTOLUENE	68	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	85	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	85	U	
4,6-DINITRO-2-METHYLPHENOL	68	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	85	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-14C-12-0604
samp_date	6/7/2004
lab_id	F24649-39
qc_type	NM
units	UG/KG
Pct_Solids	96.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	68	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	68	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	85	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	68	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	85	U	
DIMETHYL PHTHALATE	85	U	
DI-N-BUTYL PHTHALATE	85	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	68	U	
HEXACHLOROCYCLOPENTADIENE	68	U	
HEXACHLOROETHANE	68	U	
INDENO(1,2,3-CD)PYRENE	68	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	68	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	68	U	

nsample	C03D-14C-24-0604
samp_date	6/7/2004
lab_id	F24649-40
qc_type	NM
units	UG/KG
Pct_Solids	90.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	37	U	
1,2-DICHLOROBENZENE	37	U	
1,3-DICHLOROBENZENE	37	U	
1,4-DICHLOROBENZENE	37	U	
2,4,5-TRICHLOROPHENOL	37	U	
2,4,6-TRICHLOROPHENOL	37	U	
2,4-DICHLOROPHENOL	37	U	
2,4-DIMETHYLPHENOL	37	U	
2,4-DINITROPHENOL	370	U	
2,4-DINITROTOLUENE	74	U	
2,6-DINITROTOLUENE	74	U	
2-CHLORONAPHTHALENE	37	U	
2-CHLOROPHENOL	37	U	
2-METHYLNAPHTHALENE	37	U	
2-METHYLPHENOL	37	U	
2-NITROANILINE	92	U	
2-NITROPHENOL	37	U	
3&4-METHYLPHENOL	37	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	92	U	
4,6-DINITRO-2-METHYLPHENOL	74	U	
4-BROMOPHENYL PHENYL ETHER	37	U	
4-CHLORO-3-METHYLPHENOL	37	U	
4-CHLOROANILINE	280	U	
4-CHLOROPHENYL PHENYL ETHER	37	U	
4-NITROANILINE	92	U	
4-NITROPHENOL	370	U	
ACENAPHTHENE	37	U	
ACENAPHTHYLENE	37	U	
ANTHRACENE	37	U	
BENZO(A)ANTHRACENE	37	U	
BENZO(A)PYRENE	37	U	

nsample	C03D-14C-24-0604
samp_date	6/7/2004
lab_id	F24649-40
qc_type	NM
units	UG/KG
Pct_Solids	90.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	37	U	
BENZO(G,H,I)PERYLENE	74	U	
BENZO(K)FLUORANTHENE	37	U	
BIS(2-CHLOROETHOXY)METHANE	37	U	
BIS(2-CHLOROETHYL)ETHER	74	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	92	U	
CARBAZOLE	37	U	
CHRYSENE	37	U	
DIBENZO(A,H)ANTHRACENE	74	U	
DIBENZOFURAN	37	U	
DIETHYL PHTHALATE	92	U	
DIMETHYL PHTHALATE	92	U	
DI-N-BUTYL PHTHALATE	92	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	37	U	
FLUORENE	37	U	
HEXACHLOROBENZENE	37	U	
HEXACHLOROBUTADIENE	74	U	
HEXACHLOROCYCLOPENTADIENE	74	U	
HEXACHLOROETHANE	74	U	
INDENO(1,2,3-CD)PYRENE	74	U	
ISOPHORONE	37	U	
NAPHTHALENE	37	U	
NITROBENZENE	37	U	
N-NITROSO-DI-N-PROPYLAMINE	74	U	
N-NITROSODIPHENYLAMINE	37	U	
PENTACHLOROPHENOL	370	U	
PHENANTHRENE	37	U	
PHENOL	37	U	
PYRENE	74	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-15C-06-0604
samp_date	6/7/2004
lab_id	F24649-34
qc_type	NM
units	UG/KG
Pct_Solids	97.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	33	U	
1,2-DICHLOROBENZENE	33	U	
1,3-DICHLOROBENZENE	33	U	
1,4-DICHLOROBENZENE	33	U	
2,4,5-TRICHLOROPHENOL	33	U	
2,4,6-TRICHLOROPHENOL	33	U	
2,4-DICHLOROPHENOL	33	U	
2,4-DIMETHYLPHENOL	33	U	
2,4-DINITROPHENOL	330	U	
2,4-DINITROTOLUENE	67	U	
2,6-DINITROTOLUENE	67	U	
2-CHLORONAPHTHALENE	33	U	
2-CHLOROPHENOL	33	U	
2-METHYLNAPHTHALENE	33	U	
2-METHYLPHENOL	33	U	
2-NITROANILINE	84	U	
2-NITROPHENOL	33	U	
3&4-METHYLPHENOL	33	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	84	U	
4,6-DINITRO-2-METHYLPHENOL	67	U	
4-BROMOPHENYL PHENYL ETHER	33	U	
4-CHLORO-3-METHYLPHENOL	33	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	33	U	
4-NITROANILINE	84	U	
4-NITROPHENOL	330	U	
ACENAPHTHENE	33	U	
ACENAPHTHYLENE	33	U	
ANTHRACENE	33	U	
BENZO(A)ANTHRACENE	33	U	
BENZO(A)PYRENE	33	U	

nsample	C03D-15C-06-0604
samp_date	6/7/2004
lab_id	F24649-34
qc_type	NM
units	UG/KG
Pct_Solids	97.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	33	U	
BENZO(G,H,I)PERYLENE	67	U	
BENZO(K)FLUORANTHENE	33	U	
BIS(2-CHLOROETHOXY)METHANE	33	U	
BIS(2-CHLOROETHYL)ETHER	67	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	84	U	
CARBAZOLE	33	U	
CHRYSENE	33	U	
DIBENZO(A,H)ANTHRACENE	67	U	
DIBENZOFURAN	33	U	
DIETHYL PHTHALATE	84	U	
DIMETHYL PHTHALATE	84	U	
DI-N-BUTYL PHTHALATE	84	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	33	U	
FLUORENE	33	U	
HEXACHLOROBENZENE	33	U	
HEXACHLOROBUTADIENE	67	U	
HEXACHLOROCYCLOPENTADIENE	67	U	
HEXACHLOROETHANE	67	U	
INDENO(1,2,3-CD)PYRENE	67	U	
ISOPHORONE	33	U	
NAPHTHALENE	33	U	
NITROBENZENE	33	U	
N-NITROSO-DI-N-PROPYLAMINE	67	U	
N-NITROSODIPHENYLAMINE	33	U	
PENTACHLOROPHENOL	330	U	
PHENANTHRENE	33	U	
PHENOL	33	U	
PYRENE	67	U	

nsample	C03D-15C-12-0604
samp_date	6/7/2004
lab_id	F24649-35
qc_type	NM
units	UG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-15C-12-0604
samp_date	6/7/2004
lab_id	F24649-35
qc_type	NM
units	UG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	69	U	

nsample	C03D-15C-24-0604
samp_date	6/7/2004
lab_id	F24649-36
qc_type	NM
units	UG/KG
Pct_Solids	80.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	41	U	
1,2-DICHLOROBENZENE	41	U	
1,3-DICHLOROBENZENE	41	U	
1,4-DICHLOROBENZENE	41	U	
2,4,5-TRICHLOROPHENOL	41	U	
2,4,6-TRICHLOROPHENOL	41	U	
2,4-DICHLOROPHENOL	41	U	
2,4-DIMETHYLPHENOL	41	U	
2,4-DINITROPHENOL	410	U	
2,4-DINITROTOLUENE	82	U	
2,6-DINITROTOLUENE	82	U	
2-CHLORONAPHTHALENE	41	U	
2-CHLOROPHENOL	41	U	
2-METHYLNAPHTHALENE	41	U	
2-METHYLPHENOL	41	U	
2-NITROANILINE	100	U	
2-NITROPHENOL	41	U	
3&4-METHYLPHENOL	41	U	
3,3'-DICHLOROBENZIDINE	200	U	
3-NITROANILINE	100	U	
4,6-DINITRO-2-METHYLPHENOL	82	U	
4-BROMOPHENYL PHENYL ETHER	41	U	
4-CHLORO-3-METHYLPHENOL	41	U	
4-CHLOROANILINE	310	U	
4-CHLOROPHENYL PHENYL ETHER	41	U	
4-NITROANILINE	100	U	
4-NITROPHENOL	410	U	
ACENAPHTHENE	41	U	
ACENAPHTHYLENE	41	U	
ANTHRACENE	41	U	
BENZO(A)ANTHRACENE	41	U	
BENZO(A)PYRENE	41	U	

nsample	C03D-15C-24-0604
samp_date	6/7/2004
lab_id	F24649-36
qc_type	NM
units	UG/KG
Pct_Solids	80.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	41	U	
BENZO(G,H,I)PERYLENE	82	U	
BENZO(K)FLUORANTHENE	41	U	
BIS(2-CHLOROETHOXY)METHANE	41	U	
BIS(2-CHLOROETHYL)ETHER	82	U	
BIS(2-ETHYLHEXYL)PHTHALATE	200	U	
BUTYL BENZYL PHTHALATE	100	U	
CARBAZOLE	41	U	
CHRYSENE	41	U	
DIBENZO(A,H)ANTHRACENE	82	U	
DIBENZOFURAN	41	U	
DIETHYL PHTHALATE	100	U	
DIMETHYL PHTHALATE	100	U	
DI-N-BUTYL PHTHALATE	100	U	
DI-N-OCTYL PHTHALATE	200	U	
FLUORANTHENE	41	U	
FLUORENE	41	U	
HEXACHLOROBENZENE	41	U	
HEXACHLOROBUTADIENE	82	U	
HEXACHLOROCYCLOPENTADIENE	82	U	
HEXACHLOROETHANE	82	U	
INDENO(1,2,3-CD)PYRENE	82	U	
ISOPHORONE	41	U	
NAPHTHALENE	41	U	
NITROBENZENE	41	U	
N-NITROSO-DI-N-PROPYLAMINE	82	U	
N-NITROSODIPHENYLAMINE	41	U	
PENTACHLOROPHENOL	410	U	
PHENANTHRENE	41	U	
PHENOL	41	U	
PYRENE	82	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-16C-06-0604
samp_date	6/7/2004
lab_id	F24649-25
qc_type	NM
units	UG/KG
Pct_Solids	95.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

nsample	C03D-16C-06-0604
samp_date	6/7/2004
lab_id	F24649-25
qc_type	NM
units	UG/KG
Pct_Solids	95.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	69	U	

nsample	C03D-16C-12-0604
samp_date	6/7/2004
lab_id	F24649-26
qc_type	NM
units	UG/KG
Pct_Solids	93.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	70	U	
2,6-DINITROTOLUENE	70	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	87	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	87	U	
4,6-DINITRO-2-METHYLPHENOL	70	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	87	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-16C-12-0604
samp_date	6/7/2004
lab_id	F24649-26
qc_type	NM
units	UG/KG
Pct_Solids	93.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	70	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	70	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	87	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	70	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	87	U	
DIMETHYL PHTHALATE	87	U	
DI-N-BUTYL PHTHALATE	87	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	70	U	
HEXACHLOROCYCLOPENTADIENE	70	U	
HEXACHLOROETHANE	70	U	
INDENO(1,2,3-CD)PYRENE	70	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	70	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	70	U	

nsample	C03D-16C-24-0604
samp_date	6/7/2004
lab_id	F24649-27
qc_type	NM
units	UG/KG
Pct_Solids	92.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	36	U	
1,2-DICHLOROBENZENE	36	U	
1,3-DICHLOROBENZENE	36	U	
1,4-DICHLOROBENZENE	36	U	
2,4,5-TRICHLOROPHENOL	36	U	
2,4,6-TRICHLOROPHENOL	36	U	
2,4-DICHLOROPHENOL	36	U	
2,4-DIMETHYLPHENOL	36	U	
2,4-DINITROPHENOL	360	U	
2,4-DINITROTOLUENE	71	U	
2,6-DINITROTOLUENE	71	U	
2-CHLORONAPHTHALENE	36	U	
2-CHLOROPHENOL	36	U	
2-METHYLNAPHTHALENE	36	U	
2-METHYLPHENOL	36	U	
2-NITROANILINE	89	U	
2-NITROPHENOL	36	U	
3&4-METHYLPHENOL	36	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	89	U	
4,6-DINITRO-2-METHYLPHENOL	71	U	
4-BROMOPHENYL PHENYL ETHER	36	U	
4-CHLORO-3-METHYLPHENOL	36	U	
4-CHLOROANILINE	270	U	
4-CHLOROPHENYL PHENYL ETHER	36	U	
4-NITROANILINE	89	U	
4-NITROPHENOL	360	U	
ACENAPHTHENE	36	U	
ACENAPHTHYLENE	36	U	
ANTHRACENE	36	U	
BENZO(A)ANTHRACENE	36	U	
BENZO(A)PYRENE	36	U	

nsample	C03D-16C-24-0604
samp_date	6/7/2004
lab_id	F24649-27
qc_type	NM
units	UG/KG
Pct_Solids	92.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	36	U	
BENZO(G,H,I)PERYLENE	71	U	
BENZO(K)FLUORANTHENE	36	U	
BIS(2-CHLOROETHOXY)METHANE	36	U	
BIS(2-CHLOROETHYL)ETHER	71	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	89	U	
CARBAZOLE	36	U	
CHRYSENE	36	U	
DIBENZO(A,H)ANTHRACENE	71	U	
DIBENZOFURAN	36	U	
DIETHYL PHTHALATE	89	U	
DIMETHYL PHTHALATE	89	U	
DI-N-BUTYL PHTHALATE	89	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	36	U	
FLUORENE	36	U	
HEXACHLOROBENZENE	36	U	
HEXACHLOROBUTADIENE	71	U	
HEXACHLOROCYCLOPENTADIENE	71	U	
HEXACHLOROETHANE	71	U	
INDENO(1,2,3-CD)PYRENE	71	U	
ISOPHORONE	36	U	
NAPHTHALENE	36	U	
NITROBENZENE	36	U	
N-NITROSO-DI-N-PROPYLAMINE	71	U	
N-NITROSODIPHENYLAMINE	36	U	
PENTACHLOROPHENOL	360	U	
PHENANTHRENE	36	U	
PHENOL	36	U	
PYRENE	71	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-5C-06-0604
samp_date	6/5/2004
lab_id	F24649-7
qc_type	NM
units	UG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	36	U	
1,2-DICHLOROBENZENE	36	U	
1,3-DICHLOROBENZENE	36	U	
1,4-DICHLOROBENZENE	36	U	
2,4,5-TRICHLOROPHENOL	36	U	
2,4,6-TRICHLOROPHENOL	36	U	
2,4-DICHLOROPHENOL	36	U	
2,4-DIMETHYLPHENOL	36	U	
2,4-DINITROPHENOL	360	U	
2,4-DINITROTOLUENE	71	U	
2,6-DINITROTOLUENE	71	U	
2-CHLORONAPHTHALENE	36	U	
2-CHLOROPHENOL	36	U	
2-METHYLNAPHTHALENE	36	U	
2-METHYLPHENOL	36	U	
2-NITROANILINE	89	U	
2-NITROPHENOL	36	U	
3&4-METHYLPHENOL	36	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	89	U	
4,6-DINITRO-2-METHYLPHENOL	71	U	
4-BROMOPHENYL PHENYL ETHER	36	U	
4-CHLORO-3-METHYLPHENOL	36	U	
4-CHLOROANILINE	270	U	
4-CHLOROPHENYL PHENYL ETHER	36	U	
4-NITROANILINE	89	U	
4-NITROPHENOL	360	U	
ACENAPHTHENE	36	U	
ACENAPHTHYLENE	36	U	
ANTHRACENE	36	U	
BENZO(A)ANTHRACENE	36	U	
BENZO(A)PYRENE	36	U	

nsample	C03D-5C-06-0604
samp_date	6/5/2004
lab_id	F24649-7
qc_type	NM
units	UG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	36	U	
BENZO(G,H,I)PERYLENE	71	U	
BENZO(K)FLUORANTHENE	36	U	
BIS(2-CHLOROETHOXY)METHANE	36	U	
BIS(2-CHLOROETHYL)ETHER	71	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	89	U	
CARBAZOLE	36	U	
CHRYSENE	36	U	
DIBENZO(A,H)ANTHRACENE	71	U	
DIBENZOFURAN	36	U	
DIETHYL PHTHALATE	89	U	
DIMETHYL PHTHALATE	89	U	
DI-N-BUTYL PHTHALATE	89	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	36	U	
FLUORENE	36	U	
HEXACHLOROBENZENE	36	U	
HEXACHLOROBUTADIENE	71	U	
HEXACHLOROCYCLOPENTADIENE	71	U	
HEXACHLOROETHANE	71	U	
INDENO(1,2,3-CD)PYRENE	71	U	
ISOPHORONE	36	U	
NAPHTHALENE	36	U	
NITROBENZENE	36	U	
N-NITROSO-DI-N-PROPYLAMINE	71	U	
N-NITROSODIPHENYLAMINE	36	U	
PENTACHLOROPHENOL	360	U	
PHENANTHRENE	36	U	
PHENOL	36	U	
PYRENE	71	U	

nsample	C03D-5C-12-0604
samp_date	6/5/2004
lab_id	F24649-8
qc_type	NM
units	UG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	70	U	
2,6-DINITROTOLUENE	70	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	88	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	88	U	
4,6-DINITRO-2-METHYLPHENOL	70	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	88	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-5C-12-0604
samp_date	6/5/2004
lab_id	F24649-8
qc_type	NM
units	UG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	70	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	70	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	88	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	70	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	88	U	
DIMETHYL PHTHALATE	88	U	
DI-N-BUTYL PHTHALATE	88	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	70	U	
HEXACHLOROCYCLOPENTADIENE	70	U	
HEXACHLOROETHANE	70	U	
INDENO(1,2,3-CD)PYRENE	70	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	70	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	70	U	

nsample	C03D-5C-24-0604
samp_date	6/5/2004
lab_id	F24649-9
qc_type	NM
units	UG/KG
Pct_Solids	91.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	36	U	
1,2-DICHLOROBENZENE	36	U	
1,3-DICHLOROBENZENE	36	U	
1,4-DICHLOROBENZENE	36	U	
2,4,5-TRICHLOROPHENOL	36	U	
2,4,6-TRICHLOROPHENOL	36	U	
2,4-DICHLOROPHENOL	36	U	
2,4-DIMETHYLPHENOL	36	U	
2,4-DINITROPHENOL	360	U	
2,4-DINITROTOLUENE	72	U	
2,6-DINITROTOLUENE	72	U	
2-CHLORONAPHTHALENE	36	U	
2-CHLOROPHENOL	36	U	
2-METHYLNAPHTHALENE	36	U	
2-METHYLPHENOL	36	U	
2-NITROANILINE	90	U	
2-NITROPHENOL	36	U	
3&4-METHYLPHENOL	36	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	90	U	
4,6-DINITRO-2-METHYLPHENOL	72	U	
4-BROMOPHENYL PHENYL ETHER	36	U	
4-CHLORO-3-METHYLPHENOL	36	U	
4-CHLOROANILINE	270	U	
4-CHLOROPHENYL PHENYL ETHER	36	U	
4-NITROANILINE	90	U	
4-NITROPHENOL	360	U	
ACENAPHTHENE	36	U	
ACENAPHTHYLENE	36	U	
ANTHRACENE	36	U	
BENZO(A)ANTHRACENE	36	U	
BENZO(A)PYRENE	36	U	

nsample	C03D-5C-24-0604
samp_date	6/5/2004
lab_id	F24649-9
qc_type	NM
units	UG/KG
Pct_Solids	91.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	36	U	
BENZO(G,H,I)PERYLENE	72	U	
BENZO(K)FLUORANTHENE	36	U	
BIS(2-CHLOROETHOXY)METHANE	36	U	
BIS(2-CHLOROETHYL)ETHER	72	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	90	U	
CARBAZOLE	36	U	
CHRYSENE	36	U	
DIBENZO(A,H)ANTHRACENE	72	U	
DIBENZOFURAN	36	U	
DIETHYL PHTHALATE	90	U	
DIMETHYL PHTHALATE	90	U	
DI-N-BUTYL PHTHALATE	90	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	36	U	
FLUORENE	36	U	
HEXACHLOROBENZENE	36	U	
HEXACHLOROBUTADIENE	72	U	
HEXACHLOROCYCLOPENTADIENE	72	U	
HEXACHLOROETHANE	72	U	
INDENO(1,2,3-CD)PYRENE	72	U	
ISOPHORONE	36	U	
NAPHTHALENE	36	U	
NITROBENZENE	36	U	
N-NITROSO-DI-N-PROPYLAMINE	72	U	
N-NITROSODIPHENYLAMINE	36	U	
PENTACHLOROPHENOL	360	U	
PHENANTHRENE	36	U	
PHENOL	36	U	
PYRENE	72	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-9C-06-0604
samp_date	6/5/2004
lab_id	F24649-4
qc_type	NM
units	UG/KG
Pct_Solids	97.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	68	U	
2,6-DINITROTOLUENE	68	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	84	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	84	U	
4,6-DINITRO-2-METHYLPHENOL	68	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	84	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

nsample	C03D-9C-06-0604
samp_date	6/5/2004
lab_id	F24649-4
qc_type	NM
units	UG/KG
Pct_Solids	97.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	68	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	68	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	84	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	68	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	84	U	
DIMETHYL PHTHALATE	84	U	
DI-N-BUTYL PHTHALATE	84	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	68	U	
HEXACHLOROCYCLOPENTADIENE	68	U	
HEXACHLOROETHANE	68	U	
INDENO(1,2,3-CD)PYRENE	68	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	68	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	68	U	

nsample	C03D-9C-12-0604
samp_date	6/5/2004
lab_id	F24649-5
qc_type	NM
units	UG/KG
Pct_Solids	96.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-9C-12-0604
samp_date	6/5/2004
lab_id	F24649-5
qc_type	NM
units	UG/KG
Pct_Solids	96.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	69	U	

nsample	C03D-9C-24-0604
samp_date	6/5/2004
lab_id	F24649-6
qc_type	NM
units	UG/KG
Pct_Solids	95.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	70	U	
2,6-DINITROTOLUENE	70	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	87	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	87	U	
4,6-DINITRO-2-METHYLPHENOL	70	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	87	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

nsample	C03D-9C-24-0604
samp_date	6/5/2004
lab_id	F24649-6
qc_type	NM
units	UG/KG
Pct_Solids	95.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	70	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	70	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	87	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	70	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	87	U	
DIMETHYL PHTHALATE	87	U	
DI-N-BUTYL PHTHALATE	87	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	70	U	
HEXACHLOROCYCLOPENTADIENE	70	U	
HEXACHLOROETHANE	70	U	
INDENO(1,2,3-CD)PYRENE	70	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	70	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	70	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	KW-DUP-01-0604
samp_date	6/6/2004
lab_id	F24649-13
qc_type	NM
units	UG/KG
Pct_Solids	96.6
DUP_OF:	C03D-01C-06-0604

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	67	U	
2,6-DINITROTOLUENE	67	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	84	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	84	U	
4,6-DINITRO-2-METHYLPHENOL	67	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	84	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

nsample	KW-DUP-01-0604
samp_date	6/6/2004
lab_id	F24649-13
qc_type	NM
units	UG/KG
Pct_Solids	96.6
DUP_OF:	C03D-01C-06-0604

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	67	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	67	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	84	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	67	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	84	U	
DIMETHYL PHTHALATE	84	U	
DI-N-BUTYL PHTHALATE	84	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	67	U	
HEXACHLOROCYCLOPENTADIENE	67	U	
HEXACHLOROETHANE	67	U	
INDENO(1,2,3-CD)PYRENE	67	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	67	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	67	U	

nsample	KW-DUP-02-0604
samp_date	6/6/2004
lab_id	F24649-14
qc_type	NM
units	UG/KG
Pct_Solids	95.0
DUP_OF:	C03D-01C-12-0604

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	37.2	J	P
BENZO(A)PYRENE	34	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	KW-DUP-02-0604
samp_date	6/6/2004
lab_id	F24649-14
qc_type	NM
units	UG/KG
Pct_Solids	95.0
DUP_OF:	C03D-01C-12-0604

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	34	U	
CHRYSENE	36.7	J	P
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	75	J	P
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	56.8	J	P
PHENOL	34	U	
PYRENE	72.6	J	P

nsample	KW-DUP-03-0604
samp_date	6/6/2004
lab_id	F24649-15
qc_type	NM
units	UG/KG
Pct_Solids	97.7
DUP_OF:	C03D-01C-24-0604

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	68	U	
2,6-DINITROTOLUENE	68	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	85	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	85	U	
4,6-DINITRO-2-METHYLPHENOL	68	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	85	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

nsample	KW-DUP-03-0604
samp_date	6/6/2004
lab_id	F24649-15
qc_type	NM
units	UG/KG
Pct_Solids	97.7
DUP_OF:	C03D-01C-24-0604

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	68	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	68	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	85	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	68	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	85	U	
DIMETHYL PHTHALATE	85	U	
DI-N-BUTYL PHTHALATE	85	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	68	U	
HEXACHLOROCYCLOPENTADIENE	68	U	
HEXACHLOROETHANE	68	U	
INDENO(1,2,3-CD)PYRENE	68	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	68	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	68	U	

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: OS

nsample	KW-DUP-04-0604	nsample	KW-DUP-04-0604
samp_date	6/7/2004	samp_date	6/7/2004
lab_id	F24649-37	lab_id	F24649-37
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	95.6	Pct_Solids	95.6
DUP_OF:	C03D-15C-12-0604	DUP_OF:	C03D-15C-12-0604

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	87	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	87	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	87	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	35	U	
BENZO(A)PYRENE	35	U	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	35	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	35	U	
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	87	U	
CARBAZOLE	35	U	
CHRYSENE	35	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	87	U	
DIMETHYL PHTHALATE	87	U	
DI-N-BUTYL PHTHALATE	87	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	69	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	C03D-01C-06-0604		
Lab Sample ID:	F24649-10	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.0
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021906.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	840	340	ug/kg	
87-86-5	Pentachlorophenol	ND	840	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	84	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-01C-06-0604		
Lab Sample ID:	F24649-10	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.0
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	84	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	84	ug/kg	
99-09-2	3-Nitroaniline	ND	340	84	ug/kg	
100-01-6	4-Nitroaniline	ND	340	84	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	87%		45-114%
4165-62-2	Phenol-d5	87%		44-124%
118-79-6	2,4,6-Tribromophenol	85%		50-128%
4165-60-0	Nitrobenzene-d5	83%		41-123%
321-60-8	2-Fluorobiphenyl	86%		46-122%
1718-51-0	Terphenyl-d14	98%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-01C-12-0604		
Lab Sample ID:	F24649-11	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.7
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021907.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	870	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	870	350	ug/kg	
87-86-5	Pentachlorophenol	ND	870	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	ND	170	35	ug/kg	
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-01C-12-0604		
Lab Sample ID:	F24649-11	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.7
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	87	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	87	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	87	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	87	ug/kg	
99-09-2	3-Nitroaniline	ND	350	87	ug/kg	
100-01-6	4-Nitroaniline	ND	350	87	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	84%		45-114%
4165-62-2	Phenol-d5	84%		44-124%
118-79-6	2,4,6-Tribromophenol	86%		50-128%
4165-60-0	Nitrobenzene-d5	80%		41-123%
321-60-8	2-Fluorobiphenyl	79%		46-122%
1718-51-0	Terphenyl-d14	95%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-01C-24-0604		
Lab Sample ID:	F24649-12	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.5
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021908.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	860	350	ug/kg	
87-86-5	Pentachlorophenol	ND	860	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	ND	170	35	ug/kg	
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-01C-24-0604		
Lab Sample ID:	F24649-12	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.5
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	86	ug/kg	
99-09-2	3-Nitroaniline	ND	350	86	ug/kg	
100-01-6	4-Nitroaniline	ND	350	86	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		45-114%
4165-62-2	Phenol-d5	82%		44-124%
118-79-6	2,4,6-Tribromophenol	90%		50-128%
4165-60-0	Nitrobenzene-d5	75%		41-123%
321-60-8	2-Fluorobiphenyl	77%		46-122%
1718-51-0	Terphenyl-d14	95%		45-135%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-02C-06-0604		
Lab Sample ID:	F24649-16	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.8
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021912.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	860	340	ug/kg	
87-86-5	Pentachlorophenol	ND	860	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-02C-06-0604		
Lab Sample ID:	F24649-16	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.8
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	86	ug/kg	
99-09-2	3-Nitroaniline	ND	340	86	ug/kg	
100-01-6	4-Nitroaniline	ND	340	86	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	81%		45-114%
4165-62-2	Phenol-d5	82%		44-124%
118-79-6	2,4,6-Tribromophenol	88%		50-128%
4165-60-0	Nitrobenzene-d5	78%		41-123%
321-60-8	2-Fluorobiphenyl	83%		46-122%
1718-51-0	Terphenyl-d14	96%		45-135%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-02C-12-0604		
Lab Sample ID:	F24649-17	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.9
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020291.D	1	06/15/04	ME	06/11/04	OP10656	SW1067
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	870	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	870	350	ug/kg	
87-86-5	Pentachlorophenol	ND	870	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	ND	170	35	ug/kg	
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-02C-12-0604		
Lab Sample ID:	F24649-17	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.9
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	87	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	87	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	87	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	87	ug/kg	
99-09-2	3-Nitroaniline	ND	350	87	ug/kg	
100-01-6	4-Nitroaniline	ND	350	87	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		45-114%
4165-62-2	Phenol-d5	78%		44-124%
118-79-6	2,4,6-Tribromophenol	81%		50-128%
4165-60-0	Nitrobenzene-d5	78%		41-123%
321-60-8	2-Fluorobiphenyl	78%		46-122%
1718-51-0	Terphenyl-d14	92%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.18

Client Sample ID:	C03D-02C-24-0604		
Lab Sample ID:	F24649-18	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	94.5
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020292.D	1	06/15/04	ME	06/11/04	OP10656	SW1067
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	880	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	70	ug/kg	
95-48-7	2-Methylphenol	ND	180	35	ug/kg	
	3&4-Methylphenol	ND	180	35	ug/kg	
88-75-5	2-Nitrophenol	ND	180	35	ug/kg	
100-02-7	4-Nitrophenol	ND	880	350	ug/kg	
87-86-5	Pentachlorophenol	ND	880	350	ug/kg	
108-95-2	Phenol	ND	180	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	35	ug/kg	
83-32-9	Acenaphthene	ND	180	35	ug/kg	
208-96-8	Acenaphthylene	ND	180	35	ug/kg	
120-12-7	Anthracene	ND	180	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	70	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	88	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	35	ug/kg	
106-47-8	4-Chloroaniline	ND	700	260	ug/kg	
86-74-8	Carbazole	ND	180	35	ug/kg	
218-01-9	Chrysene	ND	180	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	70	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	35	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-02C-24-0604		
Lab Sample ID:	F24649-18	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	94.5
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	70	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	70	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	70	ug/kg	
132-64-9	Dibenzofuran	ND	180	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	88	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	180	ug/kg	
84-66-2	Diethyl phthalate	ND	350	88	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	88	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	180	ug/kg	
206-44-0	Fluoranthene	ND	180	35	ug/kg	
86-73-7	Fluorene	ND	180	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	70	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	70	ug/kg	
67-72-1	Hexachloroethane	ND	180	70	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	70	ug/kg	
78-59-1	Isophorone	ND	180	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	88	ug/kg	
99-09-2	3-Nitroaniline	ND	350	88	ug/kg	
100-01-6	4-Nitroaniline	ND	350	88	ug/kg	
91-20-3	Naphthalene	ND	180	35	ug/kg	
98-95-3	Nitrobenzene	ND	180	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	70	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	35	ug/kg	
85-01-8	Phenanthrene	ND	180	35	ug/kg	
129-00-0	Pyrene	ND	180	70	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		45-114%
4165-62-2	Phenol-d5	76%		44-124%
118-79-6	2,4,6-Tribromophenol	79%		50-128%
4165-60-0	Nitrobenzene-d5	78%		41-123%
321-60-8	2-Fluorobiphenyl	76%		46-122%
1718-51-0	Terphenyl-d14	95%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-03C-06-0604		
Lab Sample ID:	F24649-19	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.9
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020293.D	1	06/15/04	ME	06/11/04	OP10656	SW1067
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	66	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	66	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	660	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	66	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-03C-06-0604		
Lab Sample ID:	F24649-19	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.9
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	66	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	66	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	66	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	66	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	66	ug/kg	
67-72-1	Hexachloroethane	ND	170	66	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	66	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	83	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	66	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	66	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		45-114%
4165-62-2	Phenol-d5	77%		44-124%
118-79-6	2,4,6-Tribromophenol	80%		50-128%
4165-60-0	Nitrobenzene-d5	79%		41-123%
321-60-8	2-Fluorobiphenyl	77%		46-122%
1718-51-0	Terphenyl-d14	95%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-03C-12-0604		
Lab Sample ID:	F24649-20	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.0
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021920.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	850	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	68	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	850	340	ug/kg	
87-86-5	Pentachlorophenol	ND	850	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	68	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	680	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	68	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-03C-12-0604		
Lab Sample ID:	F24649-20	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.0
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	68	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	68	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	68	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	85	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	85	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	85	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	68	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	68	ug/kg	
67-72-1	Hexachloroethane	ND	170	68	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	68	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	85	ug/kg	
99-09-2	3-Nitroaniline	ND	340	85	ug/kg	
100-01-6	4-Nitroaniline	ND	340	85	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	68	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	68	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		45-114%
4165-62-2	Phenol-d5	74%		44-124%
118-79-6	2,4,6-Tribromophenol	76%		50-128%
4165-60-0	Nitrobenzene-d5	74%		41-123%
321-60-8	2-Fluorobiphenyl	74%		46-122%
1718-51-0	Terphenyl-d14	85%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-03C-24-0604		
Lab Sample ID:	F24649-21	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.7
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021921.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	850	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	68	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	850	340	ug/kg	
87-86-5	Pentachlorophenol	ND	850	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	68	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	680	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	68	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-03C-24-0604		
Lab Sample ID:	F24649-21	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.7
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	68	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	68	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	68	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	85	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	85	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	85	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	68	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	68	ug/kg	
67-72-1	Hexachloroethane	ND	170	68	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	68	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	85	ug/kg	
99-09-2	3-Nitroaniline	ND	340	85	ug/kg	
100-01-6	4-Nitroaniline	ND	340	85	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	68	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	68	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	84%		45-114%
4165-62-2	Phenol-d5	83%		44-124%
118-79-6	2,4,6-Tribromophenol	88%		50-128%
4165-60-0	Nitrobenzene-d5	82%		41-123%
321-60-8	2-Fluorobiphenyl	81%		46-122%
1718-51-0	Terphenyl-d14	94%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-04C-06-0604		
Lab Sample ID:	F24649-22	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.9
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021922.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-04C-06-0604		
Lab Sample ID:	F24649-22	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.9
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	83	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		45-114%
4165-62-2	Phenol-d5	78%		44-124%
118-79-6	2,4,6-Tribromophenol	80%		50-128%
4165-60-0	Nitrobenzene-d5	75%		41-123%
321-60-8	2-Fluorobiphenyl	77%		46-122%
1718-51-0	Terphenyl-d14	87%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-04C-12-0604		
Lab Sample ID:	F24649-23	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.5
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021923.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	870	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	70	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	870	350	ug/kg	
87-86-5	Pentachlorophenol	ND	870	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	ND	170	35	ug/kg	
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	70	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	700	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	70	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-04C-12-0604		
Lab Sample ID:	F24649-23	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.5
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	70	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	70	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	70	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	87	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	87	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	87	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	70	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	70	ug/kg	
67-72-1	Hexachloroethane	ND	170	70	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	70	ug/kg	
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	87	ug/kg	
99-09-2	3-Nitroaniline	ND	350	87	ug/kg	
100-01-6	4-Nitroaniline	ND	350	87	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	70	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	70	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		45-114%
4165-62-2	Phenol-d5	65%		44-124%
118-79-6	2,4,6-Tribromophenol	69%		50-128%
4165-60-0	Nitrobenzene-d5	64%		41-123%
321-60-8	2-Fluorobiphenyl	66%		46-122%
1718-51-0	Terphenyl-d14	75%		45-135%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-04C-24-0604		
Lab Sample ID:	F24649-24	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.4
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021924.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	870	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	870	350	ug/kg	
87-86-5	Pentachlorophenol	ND	870	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	ND	170	35	ug/kg	
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-04C-24-0604		
Lab Sample ID:	F24649-24	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.4
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	87	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	87	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	87	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	87	ug/kg	
99-09-2	3-Nitroaniline	ND	350	87	ug/kg	
100-01-6	4-Nitroaniline	ND	350	87	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		45-114%
4165-62-2	Phenol-d5	66%		44-124%
118-79-6	2,4,6-Tribromophenol	69%		50-128%
4165-60-0	Nitrobenzene-d5	65%		41-123%
321-60-8	2-Fluorobiphenyl	65%		46-122%
1718-51-0	Terphenyl-d14	74%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-08C-06-0604		
Lab Sample ID:	F24649-31	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.2
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021931.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	840	340	ug/kg	
87-86-5	Pentachlorophenol	ND	840	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	84	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-08C-06-0604		
Lab Sample ID:	F24649-31	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.2
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	84	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	84	ug/kg	
99-09-2	3-Nitroaniline	ND	340	84	ug/kg	
100-01-6	4-Nitroaniline	ND	340	84	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%		45-114%
4165-62-2	Phenol-d5	77%		44-124%
118-79-6	2,4,6-Tribromophenol	87%		50-128%
4165-60-0	Nitrobenzene-d5	72%		41-123%
321-60-8	2-Fluorobiphenyl	77%		46-122%
1718-51-0	Terphenyl-d14	92%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-08C-12-0604		
Lab Sample ID:	F24649-32	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.8
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021932.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	860	340	ug/kg	
87-86-5	Pentachlorophenol	ND	860	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-08C-12-0604		
Lab Sample ID:	F24649-32	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.8
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	86	ug/kg	
99-09-2	3-Nitroaniline	ND	340	86	ug/kg	
100-01-6	4-Nitroaniline	ND	340	86	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%		45-114%
4165-62-2	Phenol-d5	75%		44-124%
118-79-6	2,4,6-Tribromophenol	77%		50-128%
4165-60-0	Nitrobenzene-d5	73%		41-123%
321-60-8	2-Fluorobiphenyl	74%		46-122%
1718-51-0	Terphenyl-d14	85%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-08C-24-0604		
Lab Sample ID:	F24649-33	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	93.4
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021950.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	890	360	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	360	71	ug/kg	
95-48-7	2-Methylphenol	ND	180	36	ug/kg	
	3&4-Methylphenol	ND	180	36	ug/kg	
88-75-5	2-Nitrophenol	ND	180	36	ug/kg	
100-02-7	4-Nitrophenol	ND	890	360	ug/kg	
87-86-5	Pentachlorophenol	ND	890	360	ug/kg	
108-95-2	Phenol	ND	180	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	36	ug/kg	
83-32-9	Acenaphthene	ND	180	36	ug/kg	
208-96-8	Acenaphthylene	ND	180	36	ug/kg	
120-12-7	Anthracene	ND	180	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	36	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	36	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	36	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	71	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	36	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	36	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	36	ug/kg	
106-47-8	4-Chloroaniline	ND	710	270	ug/kg	
86-74-8	Carbazole	ND	180	36	ug/kg	
218-01-9	Chrysene	ND	180	36	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	36	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	71	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	36	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-08C-24-0604		
Lab Sample ID:	F24649-33	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	93.4
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	71	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	71	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	360	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	71	ug/kg	
132-64-9	Dibenzofuran	ND	180	36	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360	89	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360	180	ug/kg	
84-66-2	Diethyl phthalate	ND	360	89	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	89	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360	180	ug/kg	
206-44-0	Fluoranthene	ND	180	36	ug/kg	
86-73-7	Fluorene	ND	180	36	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	36	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	71	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	71	ug/kg	
67-72-1	Hexachloroethane	ND	180	71	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	71	ug/kg	
78-59-1	Isophorone	ND	180	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	36	ug/kg	
88-74-4	2-Nitroaniline	ND	360	89	ug/kg	
99-09-2	3-Nitroaniline	ND	360	89	ug/kg	
100-01-6	4-Nitroaniline	ND	360	89	ug/kg	
91-20-3	Naphthalene	ND	180	36	ug/kg	
98-95-3	Nitrobenzene	ND	180	36	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	71	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	36	ug/kg	
85-01-8	Phenanthrene	ND	180	36	ug/kg	
129-00-0	Pyrene	ND	180	71	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	53%		45-114%
4165-62-2	Phenol-d5	55%		44-124%
118-79-6	2,4,6-Tribromophenol	62%		50-128%
4165-60-0	Nitrobenzene-d5	49%		41-123%
321-60-8	2-Fluorobiphenyl	56%		46-122%
1718-51-0	Terphenyl-d14	67%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-12C-06-0604		
Lab Sample ID:	F24649-28	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.0
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021928.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	66	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	66	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	660	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	66	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-12C-06-0604		
Lab Sample ID:	F24649-28	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.0
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	66	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	66	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	66	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	66	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	66	ug/kg	
67-72-1	Hexachloroethane	ND	170	66	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	66	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	83	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	66	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	66	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		45-114%
4165-62-2	Phenol-d5	68%		44-124%
118-79-6	2,4,6-Tribromophenol	71%		50-128%
4165-60-0	Nitrobenzene-d5	67%		41-123%
321-60-8	2-Fluorobiphenyl	67%		46-122%
1718-51-0	Terphenyl-d14	77%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-12C-12-0604		
Lab Sample ID:	F24649-29	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.3
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021929.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	860	340	ug/kg	
87-86-5	Pentachlorophenol	ND	860	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-12C-12-0604		
Lab Sample ID:	F24649-29	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.3
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	86	ug/kg	
99-09-2	3-Nitroaniline	ND	340	86	ug/kg	
100-01-6	4-Nitroaniline	ND	340	86	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%		45-114%
4165-62-2	Phenol-d5	76%		44-124%
118-79-6	2,4,6-Tribromophenol	84%		50-128%
4165-60-0	Nitrobenzene-d5	76%		41-123%
321-60-8	2-Fluorobiphenyl	76%		46-122%
1718-51-0	Terphenyl-d14	86%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-12C-24-0604		
Lab Sample ID:	F24649-30	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	86.2
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021930.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	38	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	38	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	960	380	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	380	77	ug/kg	
95-48-7	2-Methylphenol	ND	190	38	ug/kg	
	3&4-Methylphenol	ND	190	38	ug/kg	
88-75-5	2-Nitrophenol	ND	190	38	ug/kg	
100-02-7	4-Nitrophenol	ND	960	380	ug/kg	
87-86-5	Pentachlorophenol	ND	960	380	ug/kg	
108-95-2	Phenol	ND	190	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	38	ug/kg	
83-32-9	Acenaphthene	ND	190	38	ug/kg	
208-96-8	Acenaphthylene	ND	190	38	ug/kg	
120-12-7	Anthracene	ND	190	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	38	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	38	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	38	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	77	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	38	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	38	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	380	96	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	38	ug/kg	
106-47-8	4-Chloroaniline	ND	770	290	ug/kg	
86-74-8	Carbazole	ND	190	38	ug/kg	
218-01-9	Chrysene	ND	190	38	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	38	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	77	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	38	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-12C-24-0604		
Lab Sample ID:	F24649-30	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	86.2
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	190	38	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	38	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	77	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	77	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	380	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	77	ug/kg	
132-64-9	Dibenzofuran	ND	190	38	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	380	96	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	380	190	ug/kg	
84-66-2	Diethyl phthalate	ND	380	96	ug/kg	
131-11-3	Dimethyl phthalate	ND	380	96	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	380	190	ug/kg	
206-44-0	Fluoranthene	ND	190	38	ug/kg	
86-73-7	Fluorene	ND	190	38	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	38	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	77	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	77	ug/kg	
67-72-1	Hexachloroethane	ND	190	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	77	ug/kg	
78-59-1	Isophorone	ND	190	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	38	ug/kg	
88-74-4	2-Nitroaniline	ND	380	96	ug/kg	
99-09-2	3-Nitroaniline	ND	380	96	ug/kg	
100-01-6	4-Nitroaniline	ND	380	96	ug/kg	
91-20-3	Naphthalene	ND	190	38	ug/kg	
98-95-3	Nitrobenzene	ND	190	38	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	77	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	38	ug/kg	
85-01-8	Phenanthrene	ND	190	38	ug/kg	
129-00-0	Pyrene	ND	190	77	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		45-114%
4165-62-2	Phenol-d5	69%		44-124%
118-79-6	2,4,6-Tribromophenol	76%		50-128%
4165-60-0	Nitrobenzene-d5	67%		41-123%
321-60-8	2-Fluorobiphenyl	66%		46-122%
1718-51-0	Terphenyl-d14	81%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-13C-06-0604		
Lab Sample ID:	F24649-1	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	94.6
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021895.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	860	350	ug/kg	
87-86-5	Pentachlorophenol	ND	860	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	ND	170	35	ug/kg	
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	37.3	170	35	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	88.5	170	69	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-13C-06-0604		
Lab Sample ID:	F24649-1	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	94.6
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	86	ug/kg	
99-09-2	3-Nitroaniline	ND	350	86	ug/kg	
100-01-6	4-Nitroaniline	ND	350	86	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	84%		45-114%
4165-62-2	Phenol-d5	85%		44-124%
118-79-6	2,4,6-Tribromophenol	84%		50-128%
4165-60-0	Nitrobenzene-d5	80%		41-123%
321-60-8	2-Fluorobiphenyl	81%		46-122%
1718-51-0	Terphenyl-d14	89%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-13C-12-0604		
Lab Sample ID:	F24649-2	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	91.5
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021896.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	900	360	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	360	72	ug/kg	
95-48-7	2-Methylphenol	ND	180	36	ug/kg	
	3&4-Methylphenol	ND	180	36	ug/kg	
88-75-5	2-Nitrophenol	ND	180	36	ug/kg	
100-02-7	4-Nitrophenol	ND	900	360	ug/kg	
87-86-5	Pentachlorophenol	ND	900	360	ug/kg	
108-95-2	Phenol	ND	180	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	36	ug/kg	
83-32-9	Acenaphthene	ND	180	36	ug/kg	
208-96-8	Acenaphthylene	ND	180	36	ug/kg	
120-12-7	Anthracene	ND	180	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	36	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	36	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	36	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	72	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	36	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	36	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	90	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	36	ug/kg	
106-47-8	4-Chloroaniline	ND	720	270	ug/kg	
86-74-8	Carbazole	ND	180	36	ug/kg	
218-01-9	Chrysene	ND	180	36	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	36	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	72	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	36	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-13C-12-0604		
Lab Sample ID:	F24649-2	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	91.5
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	72	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	72	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	360	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	72	ug/kg	
132-64-9	Dibenzofuran	ND	180	36	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360	90	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360	180	ug/kg	
84-66-2	Diethyl phthalate	ND	360	90	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	90	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360	180	ug/kg	
206-44-0	Fluoranthene	ND	180	36	ug/kg	
86-73-7	Fluorene	ND	180	36	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	36	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	72	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	72	ug/kg	
67-72-1	Hexachloroethane	ND	180	72	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	72	ug/kg	
78-59-1	Isophorone	ND	180	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	36	ug/kg	
88-74-4	2-Nitroaniline	ND	360	90	ug/kg	
99-09-2	3-Nitroaniline	ND	360	90	ug/kg	
100-01-6	4-Nitroaniline	ND	360	90	ug/kg	
91-20-3	Naphthalene	ND	180	36	ug/kg	
98-95-3	Nitrobenzene	ND	180	36	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	72	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	36	ug/kg	
85-01-8	Phenanthrene	ND	180	36	ug/kg	
129-00-0	Pyrene	ND	180	72	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	82%		45-114%
4165-62-2	Phenol-d5	82%		44-124%
118-79-6	2,4,6-Tribromophenol	95%		50-128%
4165-60-0	Nitrobenzene-d5	80%		41-123%
321-60-8	2-Fluorobiphenyl	81%		46-122%
1718-51-0	Terphenyl-d14	93%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-13C-24-0604		
Lab Sample ID:	F24649-3	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	90.7
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021897.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	37	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	37	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	910	370	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	370	73	ug/kg	
95-48-7	2-Methylphenol	ND	180	37	ug/kg	
	3&4-Methylphenol	ND	180	37	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	910	370	ug/kg	
87-86-5	Pentachlorophenol	ND	910	370	ug/kg	
108-95-2	Phenol	ND	180	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	37	ug/kg	
83-32-9	Acenaphthene	ND	180	37	ug/kg	
208-96-8	Acenaphthylene	ND	180	37	ug/kg	
120-12-7	Anthracene	ND	180	37	ug/kg	
56-55-3	Benzo(a)anthracene	60.3	180	37	ug/kg	J
50-32-8	Benzo(a)pyrene	43.7	180	37	ug/kg	J
205-99-2	Benzo(b)fluoranthene	43.5	180	37	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	180	73	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	37	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	37	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	370	91	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	37	ug/kg	
106-47-8	4-Chloroaniline	ND	730	270	ug/kg	
86-74-8	Carbazole	ND	180	37	ug/kg	
218-01-9	Chrysene	66.3	180	37	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	180	37	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	73	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	37	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	37	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-13C-24-0604		
Lab Sample ID:	F24649-3	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	90.7
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	37	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	37	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	73	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	73	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	370	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	73	ug/kg	
132-64-9	Dibenzofuran	ND	180	37	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	370	91	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	370	180	ug/kg	
84-66-2	Diethyl phthalate	ND	370	91	ug/kg	
131-11-3	Dimethyl phthalate	ND	370	91	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	370	180	ug/kg	
206-44-0	Fluoranthene	99.7	180	37	ug/kg	J
86-73-7	Fluorene	ND	180	37	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	37	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	73	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	73	ug/kg	
67-72-1	Hexachloroethane	ND	180	73	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	73	ug/kg	
78-59-1	Isophorone	ND	180	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	37	ug/kg	
88-74-4	2-Nitroaniline	ND	370	91	ug/kg	
99-09-2	3-Nitroaniline	ND	370	91	ug/kg	
100-01-6	4-Nitroaniline	ND	370	91	ug/kg	
91-20-3	Naphthalene	ND	180	37	ug/kg	
98-95-3	Nitrobenzene	ND	180	37	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	73	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	37	ug/kg	
85-01-8	Phenanthrene	96.9	180	37	ug/kg	J
129-00-0	Pyrene	107	180	73	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	180	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		45-114%
4165-62-2	Phenol-d5	77%		44-124%
118-79-6	2,4,6-Tribromophenol	86%		50-128%
4165-60-0	Nitrobenzene-d5	74%		41-123%
321-60-8	2-Fluorobiphenyl	75%		46-122%
1718-51-0	Terphenyl-d14	86%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-14C-06-0604		
Lab Sample ID:	F24649-38	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021939.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	68	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	840	340	ug/kg	
87-86-5	Pentachlorophenol	ND	840	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	68	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	84	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	680	250	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	68	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-14C-06-0604		
Lab Sample ID:	F24649-38	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.1
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	68	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	68	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	68	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	84	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	68	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	68	ug/kg	
67-72-1	Hexachloroethane	ND	170	68	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	68	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	84	ug/kg	
99-09-2	3-Nitroaniline	ND	340	84	ug/kg	
100-01-6	4-Nitroaniline	ND	340	84	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	68	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	68	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	82%		45-114%
4165-62-2	Phenol-d5	84%		44-124%
118-79-6	2,4,6-Tribromophenol	85%		50-128%
4165-60-0	Nitrobenzene-d5	82%		41-123%
321-60-8	2-Fluorobiphenyl	83%		46-122%
1718-51-0	Terphenyl-d14	93%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-14C-12-0604		
Lab Sample ID:	F24649-39	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.5
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021945.D	1	06/16/04	ME	06/14/04	OP10674	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	850	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	68	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	850	340	ug/kg	
87-86-5	Pentachlorophenol	ND	850	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	68	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	680	250	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	68	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-14C-12-0604		
Lab Sample ID:	F24649-39	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.5
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	68	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	68	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	68	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	85	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	85	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	85	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	68	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	68	ug/kg	
67-72-1	Hexachloroethane	ND	170	68	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	68	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	85	ug/kg	
99-09-2	3-Nitroaniline	ND	340	85	ug/kg	
100-01-6	4-Nitroaniline	ND	340	85	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	68	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	68	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		45-114%
4165-62-2	Phenol-d5	68%		44-124%
118-79-6	2,4,6-Tribromophenol	68%		50-128%
4165-60-0	Nitrobenzene-d5	64%		41-123%
321-60-8	2-Fluorobiphenyl	67%		46-122%
1718-51-0	Terphenyl-d14	74%		45-135%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-14C-24-0604		
Lab Sample ID:	F24649-40	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	90.4
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021946.D	1	06/16/04	ME	06/14/04	OP10674	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	37	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	37	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	920	370	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	370	74	ug/kg	
95-48-7	2-Methylphenol	ND	180	37	ug/kg	
	3&4-Methylphenol	ND	180	37	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	920	370	ug/kg	
87-86-5	Pentachlorophenol	ND	920	370	ug/kg	
108-95-2	Phenol	ND	180	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	37	ug/kg	
83-32-9	Acenaphthene	ND	180	37	ug/kg	
208-96-8	Acenaphthylene	ND	180	37	ug/kg	
120-12-7	Anthracene	ND	180	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	37	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	37	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	37	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	74	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	37	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	37	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	370	92	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	37	ug/kg	
106-47-8	4-Chloroaniline	ND	740	280	ug/kg	
86-74-8	Carbazole	ND	180	37	ug/kg	
218-01-9	Chrysene	ND	180	37	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	37	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	74	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	37	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	37	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-14C-24-0604		
Lab Sample ID:	F24649-40	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	90.4
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	37	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	37	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	74	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	74	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	370	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	74	ug/kg	
132-64-9	Dibenzofuran	ND	180	37	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	370	92	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	370	180	ug/kg	
84-66-2	Diethyl phthalate	ND	370	92	ug/kg	
131-11-3	Dimethyl phthalate	ND	370	92	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	370	180	ug/kg	
206-44-0	Fluoranthene	ND	180	37	ug/kg	
86-73-7	Fluorene	ND	180	37	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	37	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	74	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	74	ug/kg	
67-72-1	Hexachloroethane	ND	180	74	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	74	ug/kg	
78-59-1	Isophorone	ND	180	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	37	ug/kg	
88-74-4	2-Nitroaniline	ND	370	92	ug/kg	
99-09-2	3-Nitroaniline	ND	370	92	ug/kg	
100-01-6	4-Nitroaniline	ND	370	92	ug/kg	
91-20-3	Naphthalene	ND	180	37	ug/kg	
98-95-3	Nitrobenzene	ND	180	37	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	74	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	37	ug/kg	
85-01-8	Phenanthrene	ND	180	37	ug/kg	
129-00-0	Pyrene	ND	180	74	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		45-114%
4165-62-2	Phenol-d5	76%		44-124%
118-79-6	2,4,6-Tribromophenol	75%		50-128%
4165-60-0	Nitrobenzene-d5	72%		41-123%
321-60-8	2-Fluorobiphenyl	72%		46-122%
1718-51-0	Terphenyl-d14	85%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-15C-06-0604		
Lab Sample ID:	F24649-34	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.7
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021935.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	840	330	ug/kg	
87-86-5	Pentachlorophenol	ND	840	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	84	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-15C-06-0604		
Lab Sample ID:	F24649-34	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.7
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	84	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	84	ug/kg	
99-09-2	3-Nitroaniline	ND	330	84	ug/kg	
100-01-6	4-Nitroaniline	ND	330	84	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		45-114%
4165-62-2	Phenol-d5	66%		44-124%
118-79-6	2,4,6-Tribromophenol	70%		50-128%
4165-60-0	Nitrobenzene-d5	64%		41-123%
321-60-8	2-Fluorobiphenyl	64%		46-122%
1718-51-0	Terphenyl-d14	75%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-15C-12-0604		
Lab Sample ID:	F24649-35	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.4
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021936.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	860	350	ug/kg	
87-86-5	Pentachlorophenol	ND	860	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	ND	170	35	ug/kg	
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-15C-12-0604		
Lab Sample ID:	F24649-35	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.4
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	86	ug/kg	
99-09-2	3-Nitroaniline	ND	350	86	ug/kg	
100-01-6	4-Nitroaniline	ND	350	86	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		45-114%
4165-62-2	Phenol-d5	71%		44-124%
118-79-6	2,4,6-Tribromophenol	83%		50-128%
4165-60-0	Nitrobenzene-d5	65%		41-123%
321-60-8	2-Fluorobiphenyl	72%		46-122%
1718-51-0	Terphenyl-d14	89%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-15C-24-0604		
Lab Sample ID:	F24649-36	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.9
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021937.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	41	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	410	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	410	82	ug/kg	
95-48-7	2-Methylphenol	ND	200	41	ug/kg	
	3&4-Methylphenol	ND	200	41	ug/kg	
88-75-5	2-Nitrophenol	ND	200	41	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	410	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	410	ug/kg	
108-95-2	Phenol	ND	200	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	41	ug/kg	
83-32-9	Acenaphthene	ND	200	41	ug/kg	
208-96-8	Acenaphthylene	ND	200	41	ug/kg	
120-12-7	Anthracene	ND	200	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	41	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	41	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	41	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	82	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	41	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	41	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	410	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	41	ug/kg	
106-47-8	4-Chloroaniline	ND	820	310	ug/kg	
86-74-8	Carbazole	ND	200	41	ug/kg	
218-01-9	Chrysene	ND	200	41	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	41	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	82	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	41	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-15C-24-0604		
Lab Sample ID:	F24649-36	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.9
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	200	41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	41	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	82	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	82	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	410	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	82	ug/kg	
132-64-9	Dibenzofuran	ND	200	41	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	410	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	410	200	ug/kg	
84-66-2	Diethyl phthalate	ND	410	100	ug/kg	
131-11-3	Dimethyl phthalate	ND	410	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	410	200	ug/kg	
206-44-0	Fluoranthene	ND	200	41	ug/kg	
86-73-7	Fluorene	ND	200	41	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	41	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	82	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	82	ug/kg	
67-72-1	Hexachloroethane	ND	200	82	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	82	ug/kg	
78-59-1	Isophorone	ND	200	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	41	ug/kg	
88-74-4	2-Nitroaniline	ND	410	100	ug/kg	
99-09-2	3-Nitroaniline	ND	410	100	ug/kg	
100-01-6	4-Nitroaniline	ND	410	100	ug/kg	
91-20-3	Naphthalene	ND	200	41	ug/kg	
98-95-3	Nitrobenzene	ND	200	41	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	82	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	41	ug/kg	
85-01-8	Phenanthrene	ND	200	41	ug/kg	
129-00-0	Pyrene	ND	200	82	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		45-114%
4165-62-2	Phenol-d5	73%		44-124%
118-79-6	2,4,6-Tribromophenol	77%		50-128%
4165-60-0	Nitrobenzene-d5	69%		41-123%
321-60-8	2-Fluorobiphenyl	72%		46-122%
1718-51-0	Terphenyl-d14	80%		45-135%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-16C-06-0604		
Lab Sample ID:	F24649-25	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.7
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021925.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	860	340	ug/kg	
87-86-5	Pentachlorophenol	ND	860	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-16C-06-0604		
Lab Sample ID:	F24649-25	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.7
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	86	ug/kg	
99-09-2	3-Nitroaniline	ND	340	86	ug/kg	
100-01-6	4-Nitroaniline	ND	340	86	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		45-114%
4165-62-2	Phenol-d5	67%		44-124%
118-79-6	2,4,6-Tribromophenol	74%		50-128%
4165-60-0	Nitrobenzene-d5	64%		41-123%
321-60-8	2-Fluorobiphenyl	64%		46-122%
1718-51-0	Terphenyl-d14	76%		45-135%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-16C-12-0604		
Lab Sample ID:	F24649-26	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	93.4
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021926.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	870	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	70	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	870	350	ug/kg	
87-86-5	Pentachlorophenol	ND	870	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	ND	170	35	ug/kg	
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	70	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	700	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	70	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-16C-12-0604		
Lab Sample ID:	F24649-26	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	93.4
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	70	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	70	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	70	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	87	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	87	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	87	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	70	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	70	ug/kg	
67-72-1	Hexachloroethane	ND	170	70	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	70	ug/kg	
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	87	ug/kg	
99-09-2	3-Nitroaniline	ND	350	87	ug/kg	
100-01-6	4-Nitroaniline	ND	350	87	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	70	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	70	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		45-114%
4165-62-2	Phenol-d5	68%		44-124%
118-79-6	2,4,6-Tribromophenol	70%		50-128%
4165-60-0	Nitrobenzene-d5	64%		41-123%
321-60-8	2-Fluorobiphenyl	65%		46-122%
1718-51-0	Terphenyl-d14	75%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-16C-24-0604		
Lab Sample ID:	F24649-27	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	92.7
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021927.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	890	360	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	360	71	ug/kg	
95-48-7	2-Methylphenol	ND	180	36	ug/kg	
	3&4-Methylphenol	ND	180	36	ug/kg	
88-75-5	2-Nitrophenol	ND	180	36	ug/kg	
100-02-7	4-Nitrophenol	ND	890	360	ug/kg	
87-86-5	Pentachlorophenol	ND	890	360	ug/kg	
108-95-2	Phenol	ND	180	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	36	ug/kg	
83-32-9	Acenaphthene	ND	180	36	ug/kg	
208-96-8	Acenaphthylene	ND	180	36	ug/kg	
120-12-7	Anthracene	ND	180	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	36	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	36	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	36	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	71	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	36	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	36	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	36	ug/kg	
106-47-8	4-Chloroaniline	ND	710	270	ug/kg	
86-74-8	Carbazole	ND	180	36	ug/kg	
218-01-9	Chrysene	ND	180	36	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	36	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	71	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	36	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-16C-24-0604		
Lab Sample ID:	F24649-27	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	92.7
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	71	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	71	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	360	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	71	ug/kg	
132-64-9	Dibenzofuran	ND	180	36	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360	89	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360	180	ug/kg	
84-66-2	Diethyl phthalate	ND	360	89	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	89	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360	180	ug/kg	
206-44-0	Fluoranthene	ND	180	36	ug/kg	
86-73-7	Fluorene	ND	180	36	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	36	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	71	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	71	ug/kg	
67-72-1	Hexachloroethane	ND	180	71	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	71	ug/kg	
78-59-1	Isophorone	ND	180	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	36	ug/kg	
88-74-4	2-Nitroaniline	ND	360	89	ug/kg	
99-09-2	3-Nitroaniline	ND	360	89	ug/kg	
100-01-6	4-Nitroaniline	ND	360	89	ug/kg	
91-20-3	Naphthalene	ND	180	36	ug/kg	
98-95-3	Nitrobenzene	ND	180	36	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	71	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	36	ug/kg	
85-01-8	Phenanthrene	ND	180	36	ug/kg	
129-00-0	Pyrene	ND	180	71	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		45-114%
4165-62-2	Phenol-d5	64%		44-124%
118-79-6	2,4,6-Tribromophenol	69%		50-128%
4165-60-0	Nitrobenzene-d5	60%		41-123%
321-60-8	2-Fluorobiphenyl	63%		46-122%
1718-51-0	Terphenyl-d14	70%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-5C-06-0604		
Lab Sample ID:	F24649-7	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	92.2
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021903.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	890	360	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	360	71	ug/kg	
95-48-7	2-Methylphenol	ND	180	36	ug/kg	
	3&4-Methylphenol	ND	180	36	ug/kg	
88-75-5	2-Nitrophenol	ND	180	36	ug/kg	
100-02-7	4-Nitrophenol	ND	890	360	ug/kg	
87-86-5	Pentachlorophenol	ND	890	360	ug/kg	
108-95-2	Phenol	ND	180	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	36	ug/kg	
83-32-9	Acenaphthene	ND	180	36	ug/kg	
208-96-8	Acenaphthylene	ND	180	36	ug/kg	
120-12-7	Anthracene	ND	180	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	36	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	36	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	36	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	71	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	36	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	36	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	36	ug/kg	
106-47-8	4-Chloroaniline	ND	710	270	ug/kg	
86-74-8	Carbazole	ND	180	36	ug/kg	
218-01-9	Chrysene	ND	180	36	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	36	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	71	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	36	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-5C-06-0604		
Lab Sample ID:	F24649-7	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	92.2
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	71	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	71	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	360	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	71	ug/kg	
132-64-9	Dibenzofuran	ND	180	36	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360	89	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360	180	ug/kg	
84-66-2	Diethyl phthalate	ND	360	89	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	89	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360	180	ug/kg	
206-44-0	Fluoranthene	ND	180	36	ug/kg	
86-73-7	Fluorene	ND	180	36	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	36	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	71	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	71	ug/kg	
67-72-1	Hexachloroethane	ND	180	71	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	71	ug/kg	
78-59-1	Isophorone	ND	180	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	36	ug/kg	
88-74-4	2-Nitroaniline	ND	360	89	ug/kg	
99-09-2	3-Nitroaniline	ND	360	89	ug/kg	
100-01-6	4-Nitroaniline	ND	360	89	ug/kg	
91-20-3	Naphthalene	ND	180	36	ug/kg	
98-95-3	Nitrobenzene	ND	180	36	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	71	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	36	ug/kg	
85-01-8	Phenanthrene	ND	180	36	ug/kg	
129-00-0	Pyrene	ND	180	71	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	80%		45-114%
4165-62-2	Phenol-d5	80%		44-124%
118-79-6	2,4,6-Tribromophenol	84%		50-128%
4165-60-0	Nitrobenzene-d5	78%		41-123%
321-60-8	2-Fluorobiphenyl	79%		46-122%
1718-51-0	Terphenyl-d14	84%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-5C-12-0604		
Lab Sample ID:	F24649-8	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	93.8
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021904.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	880	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	70	ug/kg	
95-48-7	2-Methylphenol	ND	180	35	ug/kg	
	3&4-Methylphenol	ND	180	35	ug/kg	
88-75-5	2-Nitrophenol	ND	180	35	ug/kg	
100-02-7	4-Nitrophenol	ND	880	350	ug/kg	
87-86-5	Pentachlorophenol	ND	880	350	ug/kg	
108-95-2	Phenol	ND	180	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	35	ug/kg	
83-32-9	Acenaphthene	ND	180	35	ug/kg	
208-96-8	Acenaphthylene	ND	180	35	ug/kg	
120-12-7	Anthracene	ND	180	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	70	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	88	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	35	ug/kg	
106-47-8	4-Chloroaniline	ND	700	260	ug/kg	
86-74-8	Carbazole	ND	180	35	ug/kg	
218-01-9	Chrysene	ND	180	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	70	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	35	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-5C-12-0604		
Lab Sample ID:	F24649-8	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	93.8
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	70	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	70	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	70	ug/kg	
132-64-9	Dibenzofuran	ND	180	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	88	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	180	ug/kg	
84-66-2	Diethyl phthalate	ND	350	88	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	88	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	180	ug/kg	
206-44-0	Fluoranthene	ND	180	35	ug/kg	
86-73-7	Fluorene	ND	180	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	70	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	70	ug/kg	
67-72-1	Hexachloroethane	ND	180	70	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	70	ug/kg	
78-59-1	Isophorone	ND	180	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	88	ug/kg	
99-09-2	3-Nitroaniline	ND	350	88	ug/kg	
100-01-6	4-Nitroaniline	ND	350	88	ug/kg	
91-20-3	Naphthalene	ND	180	35	ug/kg	
98-95-3	Nitrobenzene	ND	180	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	70	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	35	ug/kg	
85-01-8	Phenanthrene	ND	180	35	ug/kg	
129-00-0	Pyrene	ND	180	70	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%		45-114%
4165-62-2	Phenol-d5	78%		44-124%
118-79-6	2,4,6-Tribromophenol	86%		50-128%
4165-60-0	Nitrobenzene-d5	74%		41-123%
321-60-8	2-Fluorobiphenyl	76%		46-122%
1718-51-0	Terphenyl-d14	91%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-5C-24-0604		
Lab Sample ID:	F24649-9	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	91.0
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021905.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	900	360	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	360	72	ug/kg	
95-48-7	2-Methylphenol	ND	180	36	ug/kg	
	3&4-Methylphenol	ND	180	36	ug/kg	
88-75-5	2-Nitrophenol	ND	180	36	ug/kg	
100-02-7	4-Nitrophenol	ND	900	360	ug/kg	
87-86-5	Pentachlorophenol	ND	900	360	ug/kg	
108-95-2	Phenol	ND	180	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	36	ug/kg	
83-32-9	Acenaphthene	ND	180	36	ug/kg	
208-96-8	Acenaphthylene	ND	180	36	ug/kg	
120-12-7	Anthracene	ND	180	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	36	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	36	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	36	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	72	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	36	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	36	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	90	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	36	ug/kg	
106-47-8	4-Chloroaniline	ND	720	270	ug/kg	
86-74-8	Carbazole	ND	180	36	ug/kg	
218-01-9	Chrysene	ND	180	36	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	36	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	72	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	36	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-5C-24-0604		
Lab Sample ID:	F24649-9	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	91.0
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	72	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	72	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	360	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	72	ug/kg	
132-64-9	Dibenzofuran	ND	180	36	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360	90	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360	180	ug/kg	
84-66-2	Diethyl phthalate	ND	360	90	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	90	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360	180	ug/kg	
206-44-0	Fluoranthene	ND	180	36	ug/kg	
86-73-7	Fluorene	ND	180	36	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	36	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	72	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	72	ug/kg	
67-72-1	Hexachloroethane	ND	180	72	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	72	ug/kg	
78-59-1	Isophorone	ND	180	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	36	ug/kg	
88-74-4	2-Nitroaniline	ND	360	90	ug/kg	
99-09-2	3-Nitroaniline	ND	360	90	ug/kg	
100-01-6	4-Nitroaniline	ND	360	90	ug/kg	
91-20-3	Naphthalene	ND	180	36	ug/kg	
98-95-3	Nitrobenzene	ND	180	36	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	72	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	36	ug/kg	
85-01-8	Phenanthrene	ND	180	36	ug/kg	
129-00-0	Pyrene	ND	180	72	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		45-114%
4165-62-2	Phenol-d5	77%		44-124%
118-79-6	2,4,6-Tribromophenol	82%		50-128%
4165-60-0	Nitrobenzene-d5	75%		41-123%
321-60-8	2-Fluorobiphenyl	76%		46-122%
1718-51-0	Terphenyl-d14	87%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-9C-06-0604		
Lab Sample ID:	F24649-4	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021898.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	68	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	840	340	ug/kg	
87-86-5	Pentachlorophenol	ND	840	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	68	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	84	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	680	250	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	68	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-9C-06-0604		
Lab Sample ID:	F24649-4	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.1
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	68	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	68	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	68	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	84	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	68	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	68	ug/kg	
67-72-1	Hexachloroethane	ND	170	68	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	68	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	84	ug/kg	
99-09-2	3-Nitroaniline	ND	340	84	ug/kg	
100-01-6	4-Nitroaniline	ND	340	84	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	68	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	68	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	81%		45-114%
4165-62-2	Phenol-d5	80%		44-124%
118-79-6	2,4,6-Tribromophenol	88%		50-128%
4165-60-0	Nitrobenzene-d5	78%		41-123%
321-60-8	2-Fluorobiphenyl	78%		46-122%
1718-51-0	Terphenyl-d14	85%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-9C-12-0604		
Lab Sample ID:	F24649-5	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.8
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021901.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	860	340	ug/kg	
87-86-5	Pentachlorophenol	ND	860	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-9C-12-0604		
Lab Sample ID:	F24649-5	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.8
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	86	ug/kg	
99-09-2	3-Nitroaniline	ND	340	86	ug/kg	
100-01-6	4-Nitroaniline	ND	340	86	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	93%		45-114%
4165-62-2	Phenol-d5	92%		44-124%
118-79-6	2,4,6-Tribromophenol	96%		50-128%
4165-60-0	Nitrobenzene-d5	90%		41-123%
321-60-8	2-Fluorobiphenyl	89%		46-122%
1718-51-0	Terphenyl-d14	98%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-9C-24-0604		
Lab Sample ID:	F24649-6	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021902.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	870	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	70	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	870	350	ug/kg	
87-86-5	Pentachlorophenol	ND	870	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	ND	170	35	ug/kg	
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	70	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	700	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	70	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-9C-24-0604		
Lab Sample ID:	F24649-6	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.1
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	70	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	70	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	70	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	87	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	87	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	87	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	70	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	70	ug/kg	
67-72-1	Hexachloroethane	ND	170	70	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	70	ug/kg	
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	87	ug/kg	
99-09-2	3-Nitroaniline	ND	350	87	ug/kg	
100-01-6	4-Nitroaniline	ND	350	87	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	70	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	70	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	82%		45-114%
4165-62-2	Phenol-d5	82%		44-124%
118-79-6	2,4,6-Tribromophenol	85%		50-128%
4165-60-0	Nitrobenzene-d5	80%		41-123%
321-60-8	2-Fluorobiphenyl	78%		46-122%
1718-51-0	Terphenyl-d14	88%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	KW-DUP-01-0604		
Lab Sample ID:	F24649-13	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.6
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021909.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	840	340	ug/kg	
87-86-5	Pentachlorophenol	ND	840	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	84	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	KW-DUP-01-0604		
Lab Sample ID:	F24649-13	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.6
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	84	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	84	ug/kg	
99-09-2	3-Nitroaniline	ND	340	84	ug/kg	
100-01-6	4-Nitroaniline	ND	340	84	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		45-114%
4165-62-2	Phenol-d5	77%		44-124%
118-79-6	2,4,6-Tribromophenol	81%		50-128%
4165-60-0	Nitrobenzene-d5	76%		41-123%
321-60-8	2-Fluorobiphenyl	75%		46-122%
1718-51-0	Terphenyl-d14	92%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	KW-DUP-02-0604		
Lab Sample ID:	F24649-14	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.0
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021910.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	860	340	ug/kg	
87-86-5	Pentachlorophenol	ND	860	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	37.2	170	34	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	36.7	170	34	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	KW-DUP-02-0604		
Lab Sample ID:	F24649-14	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.0
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	75.0	170	34	ug/kg	J
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	86	ug/kg	
99-09-2	3-Nitroaniline	ND	340	86	ug/kg	
100-01-6	4-Nitroaniline	ND	340	86	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	56.8	170	34	ug/kg	J
129-00-0	Pyrene	72.6	170	69	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		45-114%
4165-62-2	Phenol-d5	60%		44-124%
118-79-6	2,4,6-Tribromophenol	71%		50-128%
4165-60-0	Nitrobenzene-d5	57%		41-123%
321-60-8	2-Fluorobiphenyl	58%		46-122%
1718-51-0	Terphenyl-d14	78%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	KW-DUP-03-0604		
Lab Sample ID:	F24649-15	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.7
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021911.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	850	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	68	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	850	340	ug/kg	
87-86-5	Pentachlorophenol	ND	850	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	68	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	680	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	68	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	KW-DUP-03-0604		
Lab Sample ID:	F24649-15	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.7
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	68	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	68	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	68	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	85	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	85	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	85	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	68	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	68	ug/kg	
67-72-1	Hexachloroethane	ND	170	68	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	68	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	85	ug/kg	
99-09-2	3-Nitroaniline	ND	340	85	ug/kg	
100-01-6	4-Nitroaniline	ND	340	85	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	68	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	68	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	81%		45-114%
4165-62-2	Phenol-d5	81%		44-124%
118-79-6	2,4,6-Tribromophenol	86%		50-128%
4165-60-0	Nitrobenzene-d5	80%		41-123%
321-60-8	2-Fluorobiphenyl	81%		46-122%
1718-51-0	Terphenyl-d14	92%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	KW-DUP-04-0604		
Lab Sample ID:	F24649-37	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.6
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021938.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	870	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	870	350	ug/kg	
87-86-5	Pentachlorophenol	ND	870	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	ND	170	35	ug/kg	
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	35	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	35	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	35	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	KW-DUP-04-0604		
Lab Sample ID:	F24649-37	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.6
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	87	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	87	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	87	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	87	ug/kg	
99-09-2	3-Nitroaniline	ND	350	87	ug/kg	
100-01-6	4-Nitroaniline	ND	350	87	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%		45-114%
4165-62-2	Phenol-d5	76%		44-124%
118-79-6	2,4,6-Tribromophenol	76%		50-128%
4165-60-0	Nitrobenzene-d5	75%		41-123%
321-60-8	2-Fluorobiphenyl	74%		46-122%
1718-51-0	Terphenyl-d14	84%		45-135%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG F24649

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
M	MG/KG	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/09/2004	06/14/2004	3	5	8
M	MG/KG	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/09/2004	06/14/2004	3	5	8
M	MG/KG	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/09/2004	06/14/2004	3	5	8
M	MG/KG	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/09/2004	06/14/2004	3	5	8
M	MG/KG	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/09/2004	06/14/2004	3	5	8
M	MG/KG	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
PCS	%	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCS	%	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCS	%	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCS	%	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
OS	%	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	%	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/15/2004	06/16/2004	8	1	9
OS	%	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	%	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	%	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	%	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9
OS	%	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9
OS	%	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9
OS	%	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	%	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/14/2004	06/16/2004	7	2	9
OS	%	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/14/2004	06/16/2004	7	2	9
OS	%	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	UG/KG	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/15/2004	06/16/2004	8	1	9
OS	UG/KG	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	UG/KG	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	UG/KG	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	UG/KG	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9
OS	UG/KG	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9
OS	UG/KG	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	UG/KG	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/14/2004	06/16/2004	7	2	9
OS	UG/KG	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/14/2004	06/16/2004	7	2	9
OS	UG/KG	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9

FIELD DUPLICATE PRECISION

ANALYTE	C03D-01C-06-0604	QUAL	KW-DUP-01-0604	QUAL	RPD	DIFFERENCE
No Detections						
	C03D-01C-12-0604		KW-DUP-02-0604			
Benzo(a)Anthracene	35	U	37.2	J	6.09	2.2
Chrysene	35	U	36.7	J	4.74	1.7
Fluoranthene	35	U	75	J	72.73	40
Phenanthrene	35	U	56.8	J	47.49	21.8
Pyrene	35	U	72.6	J	69.89	37.6
	C03D-01C-24-0604		KW-DUP-03-0604			
No Detections						
	C03D-15C-12-0604		KW-DUP-04-0604			
No Detections						

OK less than 2X RL

Sedlmyer, Ed

From: Samchuck, Joseph
Sent: Wednesday, June 23, 2004 2:21 PM
To: Lee, Ethan; Sedlmyer, Ed
Subject: FW: Planned Sampling for Time-Critical NAS Key West Project

Categories: Business

Ethan, Ed,

Duplicates.

From: McRee, Emily
Sent: Monday, June 14, 2004 2:17 PM
To: Samchuck, Joseph
Cc: Thomson, Amy; Murphy, Elizabeth
Subject: FW: Planned Sampling for Time-Critical NAS Key West Project

Here is the duplicate information for the referenced project. You should be receiving the data from Accutest later this week. Let me know if you have any questions.

KW-DUP-01-0604 – C03D-01C-06-0604
KW-DUP-02-0604 – C03D-01C-12-0604
KW-DUP-03-0604 – C03D-01C-24-0604
KW-DUP-04-0604 – C03D-15C-12-0604
KW-DUP-05-0604 – C03D-07C-24-0604

Thanks for your help.

Emily

From: Bryan, Charles
Sent: Tuesday, June 01, 2004 10:21 AM
To: Samchuck, Joseph
Cc: McRee, Emily
Subject: RE: Planned Sampling for Time-Critical NAS Key West Project

Thanks Joe! This time we are using Accutest - they were less expensive than Katahdin. Emily will have the field duplicate information once it is generated in the field. It will be all soil samples this time, looking for inorganoics, SVOCs and some samples (probably 13 or 14 samples) for PCBs. We are still doing limited validation at the Key West sites, so no change there.

Chuck

From: Samchuck, Joseph
Sent: Tuesday, June 01, 2004 9:42 AM
To: Bryan, Charles
Subject: RE: Planned Sampling for Time-Critical NAS Key West Project

Chuck,

Thanks for the heads up. We'll get the task completed as quickly as possible (1 week or less). The only information that I'll need is the field duplicates. I presume the laboratory is Katahdin. Lastly, is this review still limited validation?

Joe

From: Bryan, Charles
Sent: Saturday, May 29, 2004 12:00 PM
To: Samchuck, Joseph

Southeast
ACCUTEST
Laboratories

06/23/04

Technical Report for

Tetra Tech, NUS

NAS Key West/CTO 349; Key West, FL

N0693-WR446(SS)

Accutest Job Number: F24649

Sampling Dates: 06/05/04 - 06/07/04

Report to:

Total number of pages in report: 303

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Sample Summary

Tetra Tech, NUS

Job No: F24649

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F24649-1	06/05/04	12:15 GB	06/08/04	SO	Soil	C03D-13C-06-0604
F24649-2	06/05/04	12:10 GB	06/08/04	SO	Soil	C03D-13C-12-0604
F24649-3	06/05/04	12:05 GB	06/08/04	SO	Soil	C03D-13C-24-0604
F24649-4	06/05/04	12:48 GB	06/08/04	SO	Soil	C03D-9C-06-0604
F24649-5	06/05/04	12:48 GB	06/08/04	SO	Soil	C03D-9C-12-0604
F24649-6	06/05/04	12:48 GB	06/08/04	SO	Soil	C03D-9C-24-0604
F24649-7	06/05/04	16:04 GB	06/08/04	SO	Soil	C03D-5C-06-0604
F24649-8	06/05/04	16:04 GB	06/08/04	SO	Soil	C03D-5C-12-0604
F24649-9	06/05/04	16:04 GB	06/08/04	SO	Soil	C03D-5C-24-0604
F24649-10	06/06/04	09:04 GB	06/08/04	SO	Soil	C03D-01C-06-0604
F24649-11	06/06/04	09:04 GB	06/08/04	SO	Soil	C03D-01C-12-0604
F24649-12	06/06/04	09:04 GB	06/08/04	SO	Soil	C03D-01C-24-0604
F24649-13	06/06/04	00:00 GB	06/08/04	SO	Soil	KW-DUP-01-0604

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F24649

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F24649-14	06/06/04	00:00 GB	06/08/04	SO	Soil	KW-DUP-02-0604
F24649-15	06/06/04	00:00 GB	06/08/04	SO	Soil	KW-DUP-03-0604
F24649-16	06/06/04	10:32 GB	06/08/04	SO	Soil	C03D-02C-06-0604
F24649-17	06/06/04	10:32 GB	06/08/04	SO	Soil	C03D-02C-12-0604
F24649-18	06/06/04	10:32 GB	06/08/04	SO	Soil	C03D-02C-24-0604
F24649-19	06/06/04	14:20 GB	06/08/04	SO	Soil	C03D-03C-06-0604
F24649-20	06/06/04	14:20 GB	06/08/04	SO	Soil	C03D-03C-12-0604
F24649-21	06/06/04	14:20 GB	06/08/04	SO	Soil	C03D-03C-24-0604
F24649-22	06/06/04	15:01 GB	06/08/04	SO	Soil	C03D-04C-06-0604
F24649-23	06/06/04	15:01 GB	06/08/04	SO	Soil	C03D-04C-12-0604
F24649-24	06/06/04	15:01 GB	06/08/04	SO	Soil	C03D-04C-24-0604
F24649-25	06/07/04	09:55 GB	06/08/04	SO	Soil	C03D-16C-06-0604
F24649-26	06/07/04	09:55 GB	06/08/04	SO	Soil	C03D-16C-12-0604

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F24649

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F24649-27	06/07/04	09:55 GB	06/08/04	SO	Soil	C03D-16C-24-0604
F24649-28	06/07/04	10:55 GB	06/08/04	SO	Soil	C03D-12C-06-0604
F24649-29	06/07/04	10:55 GB	06/08/04	SO	Soil	C03D-12C-12-0604
F24649-30	06/07/04	10:55 GB	06/08/04	SO	Soil	C03D-12C-24-0604
F24649-31	06/07/04	12:20 GB	06/08/04	SO	Soil	C03D-08C-06-0604
F24649-32	06/07/04	12:20 GB	06/08/04	SO	Soil	C03D-08C-12-0604
F24649-32D	06/07/04	12:20 GB	06/08/04	SO	Soil Dup/MSD	C03D-08C-12-0604
F24649-32S	06/07/04	12:20 GB	06/08/04	SO	Soil Matrix Spike	C03D-08C-12-0604
F24649-33	06/07/04	12:20 GB	06/08/04	SO	Soil	C03D-08C-24-0604
F24649-33D	06/07/04	12:20 GB	06/08/04	SO	Soil Dup/MSD	C03D-08C-24-0604
F24649-33S	06/07/04	12:20 GB	06/08/04	SO	Soil Matrix Spike	C03D-08C-24-0604
F24649-34	06/07/04	15:25 GB	06/08/04	SO	Soil	C03D-15C-06-0604
F24649-35	06/07/04	15:45 GB	06/08/04	SO	Soil	C03D-15C-12-0604

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F24649

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F24649-36	06/07/04	15:45	GB	06/08/04	SO	Soil	C03D-15C-24-0604
F24649-37	06/07/04	00:00	GB	06/08/04	SO	Soil	KW-DUP-04-0604
F24649-38	06/07/04	16:10	GB	06/08/04	SO	Soil	C03D-14C-06-0604
F24649-39	06/07/04	16:10	GB	06/08/04	SO	Soil	C03D-14C-12-0604
F24649-40	06/07/04	16:10	GB	06/08/04	SO	Soil	C03D-14C-24-0604

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Tetra Tech, NUS **Job No:** F24649

Site: NAS Key West/CTO 349; Key West, FL **Report Date** 6/21/04 9:48:50 AM

40 Samples were collected on between 06/05/2004 and 06/07/2004 and were received at Accutest on 06/08/2004 properly preserved, at 1.2 Deg. C and intact. These Samples received an Accutest job number of F24649. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GCMS By Method SW846 8270C

Matrix: SO **Batch ID:** OP10656

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F24649-4MS, F24649-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP10674

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24649-32MS, F24649-32MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** OP10685

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24685-6MS, F24685-6MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP6765

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24649-32DUP, F24649-32MS, F24649-32MSD, F24649-32SDL were used as the QC samples for metals.

Matrix Spike Recovery and Matrix Spike Duplicate Recovery for Potassium are outside control limits. Spike recoverys indicate possible matrix interference and/or sample nonhomogeneity.
RPDs for Duplicate for Cobalt, Copper, Lead, Silver are outside control limits for sample MP6765-D1. RPD acceptable due to low duplicate and sample concentrations.

RPDs for Serial Dilution for Arsenic, Cobalt, Copper, Lead, Nickel, Sodium, Calcium, Magnesium, Potassium are outside control limits for sample MP6765-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL) for Arsenic, Cobalt, Copper, Lead, Nickel, Sodium.

MP6765-SD1 for Calcium, Magnesium, Potassium: Serial dilution indicates possible matrix interference.

F24649-18 for Selenium: Elevated reporting limits due to matrix interference.

F24649-2 for Selenium: Elevated reporting limits due to matrix interference.

F24649-1 for Selenium: Elevated reporting limits due to matrix interference.

F24649-4 for Selenium: Elevated reporting limits due to matrix interference.

F24649-32 for Selenium: Elevated reporting limits due to matrix interference.

F24649-6 for Selenium: Elevated reporting limits due to matrix interference.

F24649-19 for Selenium: Elevated reporting limits due to matrix interference.

F24649-11 for Selenium: Elevated reporting limits due to matrix interference.

F24649-16 for Selenium: Elevated reporting limits due to matrix interference.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP6765

F24649-10 for Selenium: Elevated reporting limits due to matrix interference.

F24649-9 for Selenium: Elevated reporting limits due to matrix interference.

F24649-7 for Selenium: Elevated reporting limits due to matrix interference.

F24649-17 for Selenium: Elevated reporting limits due to matrix interference.

F24649-5 for Selenium: Elevated reporting limits due to matrix interference.

F24649-12 for Selenium: Elevated reporting limits due to matrix interference.

F24649-13 for Selenium: Elevated reporting limits due to matrix interference.

F24649-14 for Selenium: Elevated reporting limits due to matrix interference.

F24649-15 for Selenium: Elevated reporting limits due to matrix interference.

F24649-3 for Selenium: Elevated reporting limits due to matrix interference.

F24649-8 for Selenium: Elevated reporting limits due to matrix interference.

Matrix: SO **Batch ID:** MP6766

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24649-33DUP, F24649-33MS, F24649-33MSD, F24649-33SDL were used as the QC samples for metals.

Matrix Spike Recoverys for Antimony, Barium, Potassium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery for Potassium is outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Recovery for Calcium is outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

RPDs for Duplicate for Barium, Lead, Zinc, Cobalt, Sodium are outside control limits for sample MP6766-D1 for Barium, Lead, Zinc. High RPD due to possible sample nonhomogeneity.

MP6766-D1 for Sodium: RPD acceptable due to low duplicate and sample concentrations.

MP6766-D1 for Cobalt: RPD acceptable due to low duplicate and sample concentrations.

RPDs for Serial Dilution for Arsenic, Cadmium, Nickel, Tin, Calcium, Chromium, Iron, Lead, Magnesium, Manganese, Potassium, Zinc are outside control limits for sample MP6766-SD1, MP6766-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL) for Arsenic, Cadmium, Nickel, Tin.

MP6766-SD1 for Calcium, Chromium, Iron, Lead, Magnesium, Manganese, Potassium, Zinc: Serial dilution indicates possible matrix interference.

F24649-37 for Selenium: Elevated reporting limits due to matrix interference.

F24649-36 for Selenium: Elevated reporting limits due to matrix interference.

F24649-35 for Selenium: Elevated reporting limits due to matrix interference.

F24649-34 for Selenium: Elevated reporting limits due to matrix interference.

F24649-40 for Selenium: Elevated reporting limits due to matrix interference.

F24649-31 for Selenium: Elevated reporting limits due to matrix interference.

F24649-38 for Selenium: Elevated reporting limits due to matrix interference.

F24649-33 for Selenium: Elevated reporting limits due to matrix interference.

F24649-39 for Selenium: Elevated reporting limits due to matrix interference.

Metals By Method SW846 7471A

Matrix: SO **Batch ID:** MP6769

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24649-32DUP, F24649-32MS, F24649-32MSD were used as the QC samples for metals.

Matrix: SO **Batch ID:** MP6770

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24649-33DUP, F24649-33MS, F24649-33MSD were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN14752

Sample F24649-3DUP was used as the QC sample for Solids, Percent.

Matrix: SO **Batch ID:** GN14753

Sample F24649-21DUP was used as the QC sample for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: June 21, 2004

Ellen Pampel, Inorganic QA (signature on file)

Monday, June 21, 2004

#2

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24649
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY, STATE, ZIP: Aiken SC 29803
SEND REPORT TO:
PHONE #: 803/649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803/642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	TAL Metals + Sn	TCL SVOCs	LAB USE ONLY
10	C03D-01C-06-0604	6/6/04	0904	GB	SO	1					X	X	X	
11	C03D-01C-12-0604		0904											
12	C03D-01C-24-0604		0904											
13	KW-DUP-01-0604		0000											
14	[redacted]-DUP-02 0604		0000											
15	[redacted]-DUP-03-0604		0000											
16	C03D-02C-06-0604		1032											
17	C03D-02C-12-0604		1032											
18	C03D-02C-24-0604		1032											
19	[redacted]D-03C-06-0604		~~1035~~ 1420											
20	[redacted]D-03C-12-0604		1420											

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY-SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	6/7/04	1. FedEx	2. FedEx	6/8/04 9:00	2. [signature] 6/8/04 9:00
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE -1.2 C

4.1

F24649: Chain of Custody
Page 2 of 6

ACCUTEST Laboratories

#3

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24649
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY: Aiken STATE: SC ZIP: 29803
SEND REPORT TO:
PHONE #: 803/649 7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803/642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	TAL Metals + Sn	TCL SVOCs	LAB USE ONLY
21	C03D-03C-24-0604	6/6/04	1420	GB	SO	1					X	X	X	
22	C03D-04C-06-0604	↓	1501	↓	↓	↓					↓	↓	↓	
23	C03D-04C-12-0604	↓	1501	↓	↓	↓					↓	↓	↓	
24	C03D-04C-24-0604	↓	1501	↓	↓	↓					↓	↓	↓	

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Barry Bungy	6/7/04	1. FedEx	2. FedEx	6/8/04 9:00	2. [illegible] 6/8/04
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL # -	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 4.2 C

4.1

F24649: Chain of Custody
Page 3 of 6

ACCUTEST Laboratories

#5

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24649
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY, STATE, ZIP: Aiken SC 29803
SEND REPORT TO:
PHONE #: 803/649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West, Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803/642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	HNO3	H2SO4	NONE	TAL Metals + Sn	TCL SVOCs	LAB USE ONLY
31	C03D-08C-24-0604	6/7/04	1220	GB	SO	1				X	X	X	
32	C03D-08C-24-0604 MS		1220			1							
33	C03D-08C-24-0604 MSD		1220			2							
34	C03D-15C-06-0604		1525			2							
35	C03D-15C-12-0604		1525			2							
36	C03D-15C-24-0604		1525			2							
37	KW-DUP-04-0604		0000			2							
38	C03D-14C-06-0604		1610			2							
39	C03D-14C-06 12-0604		1610			2							
40 (38)	C03D-14C-24-0604		1610			2							
	MM 6/8/04												

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	6/07/04	1. FedEx	2. FedEx	6/8/04 9:00	2. [signature] 6/8/04
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE -1.2 C

4.1

F24649: Chain of Custody
Page 5 of 6

ACCUTEST Laboratories

#1

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24649
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY, STATE, ZIP: Aiken SC 29803
SEND REPORT TO:
PHONE #: 803/649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West, Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803/642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	TAL Metals + Tin	TCL SVOCs	LAB USE ONLY
1	C03D-13C-06-0604	6/5/04	1215	GB	SO	1					X	X	X	
2	C03D-13-C-12-0604	6/5/04	1210											
3	C03D-13-C-24-0604		1205											
4	C03D-9C-06-0604		1248											
5	C03D-9C-12-0604		1248											
6	C03D-9C-24-0604		1248											
7	C03D-5C-06-0604		1604											
8	C03D-5C-12-0604		1604											
9	C03D-5C-24-0604		1604											

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Gary Bragg	6/7/04	1. FedEx	2. FedEx	6/8/04 9:00	2. 6/8/04 9:00
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE -1.2 C

4.1

ACCUTEST Laboratories

ACCUTEST #4

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24649
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY: Aiken STATE: SC ZIP: 29803
SEND REPORT TO:
PHONE #: 803/649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West, Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803/642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	H_2SO_4	HNO_3	NONE	TAL Metals + Sn	TCL SVOCs	LAB USE ONLY
25	C03D-16C-06-0604	6/7/04	0955	GB	SO	1					X	X	X	
26	C03D-16C-12-0604	↓	↓	↓	↓	↓					↓	↓	↓	
27	C03D-16C-24-0604		↓											
28	C03D-12C-06-0604		1055											
29	C03D-12C-12-0604		↓											
30	C03D-12C-24-0604													
31	C03D-08C-06-0604		1220											
32	C03D-08C-12-0604		1220											
32	C03D-08C-12-0604 MS		1220											
33	C03D-08C-12-0604 MSD	↓	1220	↓	↓	↓					↓	↓	↓	

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	6/7/04	1. FedEx	2. FedEx	6/8/04 9:00	2. [signature] 6/8/04 9:00
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE -1.2 C

4.1

F24649: Chain of Custody
Page 4 of 6

ACCUTEST laboratories

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-MB	L021893.D	1	06/14/04	ME	06/11/04	OP10656	SL1176

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-MB	L021893.D	1	06/14/04	ME	06/11/04	OP10656	SL1176

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Compound	Result	RL	MDL	Units	Q
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	83	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	83%	45-114%
4165-62-2	Phenol-d5	82%	44-124%
118-79-6	2,4,6-Tribromophenol	86%	50-128%
4165-60-0	Nitrobenzene-d5	83%	41-123%
321-60-8	2-Fluorobiphenyl	82%	46-122%

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-MB	L021893.D	1	06/14/04	ME	06/11/04	OP10656	SL1176

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Surrogate Recoveries		Limits
1718-51-0	Terphenyl-d14	90%	45-135%

ACCUTEST Laboratories

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-MB	W020290.D	1	06/15/04	ME	06/11/04	OP10656	SW1067

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-MB	W020290.D	1	06/15/04	ME	06/11/04	OP10656	SW1067

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Compound	Result	RL	MDL	Units	Q
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	83	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	81%	45-114%
4165-62-2	Phenol-d5	80%	44-124%
118-79-6	2,4,6-Tribromophenol	78%	50-128%
4165-60-0	Nitrobenzene-d5	81%	41-123%
321-60-8	2-Fluorobiphenyl	79%	46-122%

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-MB	W020290.D	1	06/15/04	ME	06/11/04	OP10656	SW1067

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Surrogate Recoveries		Limits
1718-51-0	Terphenyl-d14	93%	45-135%

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-MB	L021919.D	1	06/15/04	ME	06/14/04	OP10674	SL1177

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-MB	L021919.D	1	06/15/04	ME	06/14/04	OP10674	SL1177

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Compound	Result	RL	MDL	Units	Q
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	83	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	79%	45-114%
4165-62-2	Phenol-d5	79%	44-124%
118-79-6	2,4,6-Tribromophenol	81%	50-128%
4165-60-0	Nitrobenzene-d5	79%	41-123%
321-60-8	2-Fluorobiphenyl	79%	46-122%

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-MB	L021919.D	1	06/15/04	ME	06/14/04	OP10674	SL1177

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Surrogate Recoveries		Limits
1718-51-0	Terphenyl-d14	89%	45-135%

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-MB	L021944.D	1	06/16/04	ME	06/14/04	OP10674	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-MB	L021944.D	1	06/16/04	ME	06/14/04	OP10674	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Compound	Result	RL	MDL	Units	Q
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	83	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	82%	45-114%
4165-62-2	Phenol-d5	82%	44-124%
118-79-6	2,4,6-Tribromophenol	81%	50-128%
4165-60-0	Nitrobenzene-d5	77%	41-123%
321-60-8	2-Fluorobiphenyl	77%	46-122%

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-MB	L021944.D	1	06/16/04	ME	06/14/04	OP10674	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Surrogate Recoveries		Limits
1718-51-0	Terphenyl-d14	86%	45-135%

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MB	L021948.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-33

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MB	L021948.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-33

CAS No.	Compound	Result	RL	MDL	Units	Q
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	83	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	81%	45-114%
4165-62-2	Phenol-d5	81%	44-124%
118-79-6	2,4,6-Tribromophenol	83%	50-128%
4165-60-0	Nitrobenzene-d5	77%	41-123%
321-60-8	2-Fluorobiphenyl	78%	46-122%

Method Blank Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MB	L021948.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-33

CAS No.	Surrogate Recoveries		Limits
1718-51-0	Terphenyl-d14	95%	45-135%

5.1 C

Blank Spike Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-BS	L021892.D	1	06/14/04	ME	06/11/04	OP10656	SL1176

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1450	87	70-102
59-50-7	4-Chloro-3-methyl phenol	1670	1520	91	70-103
120-83-2	2,4-Dichlorophenol	1670	1560	94	70-101
105-67-9	2,4-Dimethylphenol	1670	1520	91	39-100
51-28-5	2,4-Dinitrophenol	3330	2850	86	34-131
534-52-1	4,6-Dinitro-o-cresol	3330	3110	93	55-122
95-48-7	2-Methylphenol	1670	1410	85	66-100
	3&4-Methylphenol	3330	2750	83	68-100
88-75-5	2-Nitrophenol	1670	1550	93	70-102
100-02-7	4-Nitrophenol	3330	2910	87	63-112
87-86-5	Pentachlorophenol	3330	2830	85	58-111
108-95-2	Phenol	1670	1400	84	68-99
95-95-4	2,4,5-Trichlorophenol	1670	1520	91	72-103
88-06-2	2,4,6-Trichlorophenol	1670	1470	88	68-100
83-32-9	Acenaphthene	1670	1530	92	73-100
208-96-8	Acenaphthylene	1670	1460	88	75-111
120-12-7	Anthracene	1670	1540	92	76-106
56-55-3	Benzo(a)anthracene	1670	1600	96	76-105
50-32-8	Benzo(a)pyrene	1670	1620	97	74-116
205-99-2	Benzo(b)fluoranthene	1670	1660	100	73-114
191-24-2	Benzo(g,h,i)perylene	1670	1550	93	67-115
207-08-9	Benzo(k)fluoranthene	1670	1690	101	72-115
101-55-3	4-Bromophenyl phenyl ether	1670	1570	94	76-102
85-68-7	Butyl benzyl phthalate	1670	1620	97	70-111
91-58-7	2-Chloronaphthalene	1670	1460	88	73-101
106-47-8	4-Chloroaniline	1670	887	53	18-101
86-74-8	Carbazole	1670	1470	88	74-113
218-01-9	Chrysene	1670	1650	99	76-102
111-91-1	bis(2-Chloroethoxy)methane	1670	1360	82	61-101
111-44-4	bis(2-Chloroethyl)ether	1670	1460	88	70-103
7005-72-3	4-Chlorophenyl phenyl ether	1670	1490	89	75-103
95-50-1	1,2-Dichlorobenzene	1670	1410	85	69-101
541-73-1	1,3-Dichlorobenzene	1670	1380	83	67-100
106-46-7	1,4-Dichlorobenzene	1670	1370	82	69-100
121-14-2	2,4-Dinitrotoluene	1670	1480	89	74-112
606-20-2	2,6-Dinitrotoluene	1670	1490	89	74-114

Blank Spike Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-BS	L021892.D	1	06/14/04	ME	06/11/04	OP10656	SL1176

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
91-94-1	3,3'-Dichlorobenzidine	1670	1160	70	30-102
53-70-3	Dibenzo(a,h)anthracene	1670	1570	94	66-116
132-64-9	Dibenzofuran	1670	1450	87	75-101
84-74-2	Di-n-butyl phthalate	1670	1510	91	75-109
117-84-0	Di-n-octyl phthalate	1670	1750	105	64-128
84-66-2	Diethyl phthalate	1670	1490	89	75-109
131-11-3	Dimethyl phthalate	1670	1460	88	76-106
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1570	94	69-115
206-44-0	Fluoranthene	1670	1490	89	76-112
86-73-7	Fluorene	1670	1560	94	75-105
118-74-1	Hexachlorobenzene	1670	1520	91	76-103
87-68-3	Hexachlorobutadiene	1670	1510	91	62-91
77-47-4	Hexachlorocyclopentadiene	1670	1300	78	33-112
67-72-1	Hexachloroethane	1670	1430	86	68-104
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1570	94	67-119
78-59-1	Isophorone	1670	1500	90	74-103
91-57-6	2-Methylnaphthalene	1670	1420	85	71-100
88-74-4	2-Nitroaniline	1670	1530	92	75-109
99-09-2	3-Nitroaniline	1670	1190	71	47-103
100-01-6	4-Nitroaniline	1670	1360	82	60-113
91-20-3	Naphthalene	1670	1490	89	73-100
98-95-3	Nitrobenzene	1670	1510	91	73-101
621-64-7	N-Nitroso-di-n-propylamine	1670	1370	82	69-104
86-30-6	N-Nitrosodiphenylamine	1670	1540	92	80-113
85-01-8	Phenanthrene	1670	1590	95	76-104
129-00-0	Pyrene	1670	1720	103	70-106
120-82-1	1,2,4-Trichlorobenzene	1670	1490	89	72-100

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	90%	45-114%
4165-62-2	Phenol-d5	89%	44-124%
118-79-6	2,4,6-Tribromophenol	94%	50-128%
4165-60-0	Nitrobenzene-d5	89%	41-123%
321-60-8	2-Fluorobiphenyl	85%	46-122%

Blank Spike Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-BS	L021892.D	1	06/14/04	ME	06/11/04	OP10656	SL1176

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Surrogate Recoveries	BSP	Limits
1718-51-0	Terphenyl-d14	97%	45-135%

Blank Spike Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-BS	L021918.D	1	06/15/04	ME	06/14/04	OP10674	SL1177

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1410	85	70-102
59-50-7	4-Chloro-3-methyl phenol	1670	1550	93	70-103
120-83-2	2,4-Dichlorophenol	1670	1560	94	70-101
105-67-9	2,4-Dimethylphenol	1670	1510	91	39-100
51-28-5	2,4-Dinitrophenol	3330	2920	88	34-131
534-52-1	4,6-Dinitro-o-cresol	3330	3270	98	55-122
95-48-7	2-Methylphenol	1670	1390	83	66-100
	3&4-Methylphenol	3330	2740	82	68-100
88-75-5	2-Nitrophenol	1670	1500	90	70-102
100-02-7	4-Nitrophenol	3330	3080	92	63-112
87-86-5	Pentachlorophenol	3330	2820	85	58-111
108-95-2	Phenol	1670	1390	83	68-99
95-95-4	2,4,5-Trichlorophenol	1670	1570	94	72-103
88-06-2	2,4,6-Trichlorophenol	1670	1540	92	68-100
83-32-9	Acenaphthene	1670	1560	94	73-100
208-96-8	Acenaphthylene	1670	1470	88	75-111
120-12-7	Anthracene	1670	1590	95	76-106
56-55-3	Benzo(a)anthracene	1670	1650	99	76-105
50-32-8	Benzo(a)pyrene	1670	1650	99	74-116
205-99-2	Benzo(b)fluoranthene	1670	1710	103	73-114
191-24-2	Benzo(g,h,i)perylene	1670	1570	94	67-115
207-08-9	Benzo(k)fluoranthene	1670	1620	97	72-115
101-55-3	4-Bromophenyl phenyl ether	1670	1610	97	76-102
85-68-7	Butyl benzyl phthalate	1670	1710	103	70-111
91-58-7	2-Chloronaphthalene	1670	1450	87	73-101
106-47-8	4-Chloroaniline	1670	820	49	18-101
86-74-8	Carbazole	1670	1550	93	74-113
218-01-9	Chrysene	1670	1700	102	76-102
111-91-1	bis(2-Chloroethoxy)methane	1670	1340	80	61-101
111-44-4	bis(2-Chloroethyl)ether	1670	1410	85	70-103
7005-72-3	4-Chlorophenyl phenyl ether	1670	1540	92	75-103
95-50-1	1,2-Dichlorobenzene	1670	1370	82	69-101
541-73-1	1,3-Dichlorobenzene	1670	1310	79	67-100
106-46-7	1,4-Dichlorobenzene	1670	1340	80	69-100
121-14-2	2,4-Dinitrotoluene	1670	1550	93	74-112
606-20-2	2,6-Dinitrotoluene	1670	1570	94	74-114

Blank Spike Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-BS	L021918.D	1	06/15/04	ME	06/14/04	OP10674	SL1177

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
91-94-1	3,3'-Dichlorobenzidine	1670	1030	62	30-102
53-70-3	Dibenzo(a,h)anthracene	1670	1540	92	66-116
132-64-9	Dibenzofuran	1670	1500	90	75-101
84-74-2	Di-n-butyl phthalate	1670	1670	100	75-109
117-84-0	Di-n-octyl phthalate	1670	1910	115	64-128
84-66-2	Diethyl phthalate	1670	1580	95	75-109
131-11-3	Dimethyl phthalate	1670	1560	94	76-106
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1710	103	69-115
206-44-0	Fluoranthene	1670	1580	95	76-112
86-73-7	Fluorene	1670	1610	97	75-105
118-74-1	Hexachlorobenzene	1670	1580	95	76-103
87-68-3	Hexachlorobutadiene	1670	1450	87	62-91
77-47-4	Hexachlorocyclopentadiene	1670	1350	81	33-112
67-72-1	Hexachloroethane	1670	1380	83	68-104
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1590	95	67-119
78-59-1	Isophorone	1670	1480	89	74-103
91-57-6	2-Methylnaphthalene	1670	1410	85	71-100
88-74-4	2-Nitroaniline	1670	1620	97	75-109
99-09-2	3-Nitroaniline	1670	1070	64	47-103
100-01-6	4-Nitroaniline	1670	1380	83	60-113
91-20-3	Naphthalene	1670	1440	86	73-100
98-95-3	Nitrobenzene	1670	1450	87	73-101
621-64-7	N-Nitroso-di-n-propylamine	1670	1390	83	69-104
86-30-6	N-Nitrosodiphenylamine	1670	1620	97	80-113
85-01-8	Phenanthrene	1670	1650	99	76-104
129-00-0	Pyrene	1670	1730	104	70-106
120-82-1	1,2,4-Trichlorobenzene	1670	1430	86	72-100

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	89%	45-114%
4165-62-2	Phenol-d5	87%	44-124%
118-79-6	2,4,6-Tribromophenol	97%	50-128%
4165-60-0	Nitrobenzene-d5	86%	41-123%
321-60-8	2-Fluorobiphenyl	86%	46-122%

ACCUTEST Laboratories

Blank Spike Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-BS	L021918.D	1	06/15/04	ME	06/14/04	OP10674	SL1177

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Surrogate Recoveries	BSP	Limits
1718-51-0	Terphenyl-d14	100%	45-135%

ACCUTEST Laboratories

Blank Spike Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-BS	L021953.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-33

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1320	79	70-102
59-50-7	4-Chloro-3-methyl phenol	1670	1400	84	70-103
120-83-2	2,4-Dichlorophenol	1670	1410	85	70-101
105-67-9	2,4-Dimethylphenol	1670	1310	79	39-100
51-28-5	2,4-Dinitrophenol	3330	2400	72	34-131
534-52-1	4,6-Dinitro-o-cresol	3330	2820	85	55-122
95-48-7	2-Methylphenol	1670	1310	79	66-100
	3&4-Methylphenol	3330	2600	78	68-100
88-75-5	2-Nitrophenol	1670	1350	81	70-102
100-02-7	4-Nitrophenol	3330	2760	83	63-112
87-86-5	Pentachlorophenol	3330	2770	83	58-111
108-95-2	Phenol	1670	1320	79	68-99
95-95-4	2,4,5-Trichiorophenol	1670	1440	86	72-103
88-06-2	2,4,6-Trichlorophenol	1670	1420	85	68-100
83-32-9	Acenaphthene	1670	1480	89	73-100
208-96-8	Acenaphthylene	1670	1410	85	75-111
120-12-7	Anthracene	1670	1530	92	76-106
56-55-3	Benzo(a)anthracene	1670	1540	92	76-105
50-32-8	Benzo(a)pyrene	1670	1570	94	74-116
205-99-2	Benzo(b)fluoranthene	1670	1630	98	73-114
191-24-2	Benzo(g,h,i)perylene	1670	1570	94	67-115
207-08-9	Benzo(k)fluoranthene	1670	1510	91	72-115
101-55-3	4-Bromophenyl phenyl ether	1670	1570	94	76-102
85-68-7	Butyl benzyl phthalate	1670	1600	96	70-111
91-58-7	2-Chloronaphthalene	1670	1370	82	73-101
106-47-8	4-Chloroaniline	1670	887	53	18-101
86-74-8	Carbazole	1670	1420	85	74-113
218-01-9	Chrysene	1670	1550	93	76-102
111-91-1	bis(2-Chloroethoxy)methane	1670	1230	74	61-101
111-44-4	bis(2-Chloroethyl)ether	1670	1280	77	70-103
7005-72-3	4-Chlorophenyl phenyl ether	1670	1440	86	75-103
95-50-1	1,2-Dichlorobenzene	1670	1280	77	69-101
541-73-1	1,3-Dichlorobenzene	1670	1210	73	67-100
106-46-7	1,4-Dichlorobenzene	1670	1250	75	69-100
121-14-2	2,4-Dinitrotoluene	1670	1380	83	74-112
606-20-2	2,6-Dinitrotoluene	1670	1420	85	74-114

Blank Spike Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-BS	L021953.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-33

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
91-94-1	3,3'-Dichlorobenzidine	1670	958	57	30-102
53-70-3	Dibenzo(a,h)anthracene	1670	1530	92	66-116
132-64-9	Dibenzofuran	1670	1410	85	75-101
84-74-2	Di-n-butyl phthalate	1670	1510	91	75-109
117-84-0	Di-n-octyl phthalate	1670	1800	108	64-128
84-66-2	Diethyl phthalate	1670	1430	86	75-109
131-11-3	Dimethyl phthalate	1670	1410	85	76-106
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1560	94	69-115
206-44-0	Fluoranthene	1670	1450	87	76-112
86-73-7	Fluorene	1670	1510	91	75-105
118-74-1	Hexachlorobenzene	1670	1500	90	76-103
87-68-3	Hexachlorobutadiene	1670	1340	80	62-91
77-47-4	Hexachlorocyclopentadiene	1670	784	47	33-112
67-72-1	Hexachloroethane	1670	1250	75	68-104
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1510	91	67-119
78-59-1	Isophorone	1670	1350	81	74-103
91-57-6	2-Methylnaphthalene	1670	1290	77	71-100
88-74-4	2-Nitroaniline	1670	1470	88	75-109
99-09-2	3-Nitroaniline	1670	1150	69	47-103
100-01-6	4-Nitroaniline	1670	1250	75	60-113
91-20-3	Naphthalene	1670	1310	79	73-100
98-95-3	Nitrobenzene	1670	1280	77	73-101
621-64-7	N-Nitroso-di-n-propylamine	1670	1310	79	69-104
86-30-6	N-Nitrosodiphenylamine	1670	1540	92	80-113
85-01-8	Phenanthrene	1670	1540	92	76-104
129-00-0	Pyrene	1670	1650	99	70-106
120-82-1	1,2,4-Trichlorobenzene	1670	1330	80	72-100

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	80%	45-114%
4165-62-2	Phenol-d5	81%	44-124%
118-79-6	2,4,6-Tribromophenol	90%	50-128%
4165-60-0	Nitrobenzene-d5	76%	41-123%
321-60-8	2-Fluorobiphenyl	80%	46-122%

Blank Spike Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-BS	L021953.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-33

CAS No.	Surrogate Recoveries	BSP	Limits
1718-51-0	Terphenyl-d14	91%	45-135%

5.2 C

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-MS	L021899.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
OP10656-MSD	L021900.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
F24649-4	L021898.D	1	06/14/04	ME	06/11/04	OP10656	SL1176

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Compound	F24649-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1710	1420	83	1530	90	7	54-104/18
59-50-7	4-Chloro-3-methyl phenol	ND		1710	1440	84	1570	92	9	57-107/17
120-83-2	2,4-Dichlorophenol	ND		1710	1450	85	1620	95	11	49-108/20
105-67-9	2,4-Dimethylphenol	ND		1710	1430	84	1580	93	10	42-94/25
51-28-5	2,4-Dinitrophenol	ND		3410	1060	31	1070	31	1	22-114/22
534-52-1	4,6-Dinitro-o-cresol	ND		3410	1840	54	1980	58	7	35-117/25
95-48-7	2-Methylphenol	ND		1710	1370	80	1470	86	7	54-100/18
	3&4-Methylphenol	ND		3410	2640	77	2880	84	9	55-102/18
88-75-5	2-Nitrophenol	ND		1710	1440	84	1560	91	8	48-108/19
100-02-7	4-Nitrophenol	ND		3410	2810	82	2990	88	6	46-116/15
87-86-5	Pentachlorophenol	ND		3410	2570	75	2690	79	5	45-112/16
108-95-2	Phenol	ND		1710	1400	82	1490	87	6	54-104/17
95-95-4	2,4,5-Trichlorophenol	ND		1710	1500	88	1590	93	6	56-108/23
88-06-2	2,4,6-Trichlorophenol	ND		1710	1450	85	1600	94	10	57-102/14
83-32-9	Acenaphthene	ND		1710	1490	87	1600	94	7	57-108/19
208-96-8	Acenaphthylene	ND		1710	1410	83	1530	90	8	60-120/17
120-12-7	Anthracene	ND		1710	1510	89	1630	96	8	68-105/16
56-55-3	Benzo(a)anthracene	ND		1710	1550	91	1680	99	8	69-104/24
50-32-8	Benzo(a)pyrene	ND		1710	1590	93	1690	99	6	66-114/26
205-99-2	Benzo(b)fluoranthene	ND		1710	1550	91	1680	99	8	64-113/19
191-24-2	Benzo(g,h,i)perylene	ND		1710	1500	88	1620	95	8	44-133/23
207-08-9	Benzo(k)fluoranthene	ND		1710	1620	95	1740	102	7	63-111/23
101-55-3	4-Bromophenyl phenyl ether	ND		1710	1540	90	1640	96	6	67-102/15
85-68-7	Butyl benzyl phthalate	ND		1710	1610	94	1730	101	7	61-113/16
91-58-7	2-Chloronaphthalene	ND		1710	1420	83	1520	89	7	60-103/15
106-47-8	4-Chloroaniline	ND		1710	894	52	972	57	8	22-104/27
86-74-8	Carbazole	ND		1710	1420	83	1520	89	7	70-109/21
218-01-9	Chrysene	ND		1710	1580	93	1690	99	7	68-102/25
111-91-1	bis(2-Chloroethoxy)methane	ND		1710	1270	74	1410	83	10	50-100/19
111-44-4	bis(2-Chloroethyl)ether	ND		1710	1390	82	1470	86	6	56-105/20
7005-72-3	4-Chlorophenyl phenyl ether	ND		1710	1420	83	1550	91	9	64-105/13
95-50-1	1,2-Dichlorobenzene	ND		1710	1320	77	1410	83	7	55-99/18
541-73-1	1,3-Dichlorobenzene	ND		1710	1270	74	1350	79	6	53-98/19
106-46-7	1,4-Dichlorobenzene	ND		1710	1280	75	1380	81	8	55-99/19
121-14-2	2,4-Dinitrotoluene	ND		1710	1390	82	1480	87	6	66-107/14
606-20-2	2,6-Dinitrotoluene	ND		1710	1400	82	1540	90	10	67-110/13

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-MS	L021899.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
OP10656-MSD	L021900.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
F24649-4	L021898.D	1	06/14/04	ME	06/11/04	OP10656	SL1176

5.3 C

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Compound	F24649-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
91-94-1	3,3'-Dichlorobenzidine	ND		1710	968	57	1140	67	16	25-103/24
53-70-3	Dibenzo(a,h)anthracene	ND		1710	1490	87	1620	95	8	48-130/21
132-64-9	Dibenzofuran	ND		1710	1410	83	1540	90	9	65-102/13
84-74-2	Di-n-butyl phthalate	ND		1710	1460	86	1560	91	7	62-114/16
117-84-0	Di-n-octyl phthalate	ND		1710	1870	110	1950	114	4	61-120/18
84-66-2	Diethyl phthalate	ND		1710	1430	84	1530	90	7	67-104/13
131-11-3	Dimethyl phthalate	ND		1710	1400	82	1520	89	8	66-104/13
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1710	1560	91	1690	99	8	62-115/16
206-44-0	Fluoranthene	ND		1710	1440	84	1560	91	8	58-122/22
86-73-7	Fluorene	ND		1710	1510	89	1620	95	7	64-107/21
118-74-1	Hexachlorobenzene	ND		1710	1490	87	1600	94	7	66-103/16
87-68-3	Hexachlorobutadiene	ND		1710	1380	81	1530	90	10	49-90/18
77-47-4	Hexachlorocyclopentadiene	ND		1710	1090	64	1170	69	7	10-99/34
67-72-1	Hexachloroethane	ND		1710	1300	76	1430	84	10	51-103/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1710	1510	89	1630	96	8	48-132/23
78-59-1	Isophorone	ND		1710	1410	83	1540	90	9	61-104/17
91-57-6	2-Methylnaphthalene	ND		1710	1340	79	1480	87	10	59-99/21
88-74-4	2-Nitroaniline	ND		1710	1510	89	1620	95	7	65-109/14
99-09-2	3-Nitroaniline	ND		1710	1230	72	1270	74	3	44-98/21
100-01-6	4-Nitroaniline	ND		1710	1290	76	1380	81	7	54-109/19
91-20-3	Naphthalene	ND		1710	1370	80	1510	89	10	59-100/21
98-95-3	Nitrobenzene	ND		1710	1370	80	1520	89	10	59-102/18
621-64-7	N-Nitroso-di-n-propylamine	ND		1710	1340	79	1410	83	5	55-106/19
86-30-6	N-Nitrosodiphenylamine	ND		1710	1540	90	1640	96	6	69-116/16
85-01-8	Phenanthrene	ND		1710	1550	91	1650	97	6	65-105/24
129-00-0	Pyrene	ND		1710	1660	97	1820	107	9	62-107/26
120-82-1	1,2,4-Trichlorobenzene	ND		1710	1380	81	1520	89	10	58-101/17

CAS No.	Surrogate Recoveries	MS	MSD	F24649-4	Limits
367-12-4	2-Fluorophenol	84%	92%	81%	45-114%
4165-62-2	Phenol-d5	83%	90%	80%	44-124%
118-79-6	2,4,6-Tribromophenol	91%	98%	88%	50-128%
4165-60-0	Nitrobenzene-d5	82%	91%	78%	41-123%
321-60-8	2-Fluorobiphenyl	80%	89%	78%	46-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10656-MS	L021899.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
OP10656-MSD	L021900.D	1	06/14/04	ME	06/11/04	OP10656	SL1176
F24649-4	L021898.D	1	06/14/04	ME	06/11/04	OP10656	SL1176

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19

CAS No.	Surrogate Recoveries	MS	MSD	F24649-4	Limits
1718-51-0	Terphenyl-d14	90%	99%	85%	45-135%

ACCUTEST Laboratories

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-MS	L021933.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
OP10674-MSD	L021934.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
F24649-32	L021932.D	1	06/15/04	ME	06/14/04	OP10674	SL1177

5.3 C

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Compound	F24649-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1690	1300	77	1290	76	1	54-104/18
59-50-7	4-Chloro-3-methyl phenol	ND		1690	1370	81	1370	80	0	57-107/17
120-83-2	2,4-Dichlorophenol	ND		1690	1380	82	1380	81	0	49-108/20
105-67-9	2,4-Dimethylphenol	ND		1690	1370	81	1360	80	1	42-94/25
51-28-5	2,4-Dinitrophenol	ND		3380	943	28	771	23	20	22-114/22
534-52-1	4,6-Dinitro-o-cresol	ND		3380	1890	56	1750	51	8	35-117/25
95-48-7	2-Methylphenol	ND		1690	1260	75	1270	74	1	54-100/18
	3&4-Methylphenol	ND		3380	2480	73	2540	74	2	55-102/18
88-75-5	2-Nitrophenol	ND		1690	1320	78	1360	80	3	48-108/19
100-02-7	4-Nitrophenol	ND		3380	2570	76	2590	76	1	46-116/15
87-86-5	Pentachlorophenol	ND		3380	2170	64	2170	64	0	45-112/16
108-95-2	Phenol	ND		1690	1270	75	1260	74	1	54-104/17
95-95-4	2,4,5-Trichlorophenol	ND		1690	1380	82	1340	79	3	56-108/23
88-06-2	2,4,6-Trichlorophenol	ND		1690	1330	79	1320	77	1	57-102/14
83-32-9	Acenaphthene	ND		1690	1410	84	1380	81	2	57-108/19
208-96-8	Acenaphthylene	ND		1690	1320	78	1310	77	1	60-120/17
120-12-7	Anthracene	ND		1690	1430	85	1410	83	1	68-105/16
56-55-3	Benzo(a)anthracene	ND		1690	1450	86	1420	83	2	69-104/24
50-32-8	Benzo(a)pyrene	ND		1690	1470	87	1460	86	1	66-114/26
205-99-2	Benzo(b)fluoranthene	ND		1690	1500	89	1450	85	3	64-113/19
191-24-2	Benzo(g,h,i)perylene	ND		1690	1380	82	1340	79	3	44-133/23
207-08-9	Benzo(k)fluoranthene	ND		1690	1450	86	1490	87	3	63-111/23
101-55-3	4-Bromophenyl phenyl ether	ND		1690	1450	86	1440	84	1	67-102/15
85-68-7	Butyl benzyl phthalate	ND		1690	1490	88	1500	88	1	61-113/16
91-58-7	2-Chloronaphthalene	ND		1690	1320	78	1300	76	2	60-103/15
106-47-8	4-Chloroaniline	ND		1690	808	48	803	47	1	22-104/27
86-74-8	Carbazole	ND		1690	1350	80	1340	79	1	70-109/21
218-01-9	Chrysene	ND		1690	1510	89	1470	86	3	68-102/25
111-91-1	bis(2-Chloroethoxy)methane	ND		1690	1180	70	1200	70	2	50-100/19
111-44-4	bis(2-Chloroethyl)ether	ND		1690	1290	76	1320	77	2	56-105/20
7005-72-3	4-Chlorophenyl phenyl ether	ND		1690	1400	83	1360	80	3	64-105/13
95-50-1	1,2-Dichlorobenzene	ND		1690	1220	72	1250	73	2	55-99/18
541-73-1	1,3-Dichlorobenzene	ND		1690	1190	70	1200	70	1	53-98/19
106-46-7	1,4-Dichlorobenzene	ND		1690	1190	70	1210	71	2	55-99/19
121-14-2	2,4-Dinitrotoluene	ND		1690	1300	77	1320	77	2	66-107/14
606-20-2	2,6-Dinitrotoluene	ND		1690	1330	79	1350	79	1	67-110/13

ACCUTEST Laboratories

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-MS	L021933.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
OP10674-MSD	L021934.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
F24649-32	L021932.D	1	06/15/04	ME	06/14/04	OP10674	SL1177

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Compound	F24649-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
91-94-1	3,3'-Dichlorobenzidine	ND		1690	977	58	1010	59	3	25-103/24
53-70-3	Dibenzo(a,h)anthracene	ND		1690	1370	81	1340	79	2	48-130/21
132-64-9	Dibenzofuran	ND		1690	1320	78	1320	77	0	65-102/13
84-74-2	Di-n-butyl phthalate	ND		1690	1420	84	1410	83	1	62-114/16
117-84-0	Di-n-octyl phthalate	ND		1690	1670	99	1680	99	1	61-120/18
84-66-2	Diethyl phthalate	ND		1690	1370	81	1340	79	2	67-104/13
131-11-3	Dimethyl phthalate	ND		1690	1350	80	1340	79	1	66-104/13
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1690	1460	86	1460	86	0	62-115/16
206-44-0	Fluoranthene	ND		1690	1380	82	1340	79	3	58-122/22
86-73-7	Fluorene	ND		1690	1440	85	1410	83	2	64-107/21
118-74-1	Hexachlorobenzene	ND		1690	1360	81	1380	81	1	66-103/16
87-68-3	Hexachlorobutadiene	ND		1690	1300	77	1310	77	1	49-90/18
77-47-4	Hexachlorocyclopentadiene	ND		1690	1050	62	1070	63	2	10-99/34
67-72-1	Hexachloroethane	ND		1690	1230	73	1230	72	0	51-103/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1690	1330	79	1360	80	2	48-132/23
78-59-1	Isophorone	ND		1690	1350	80	1330	78	1	61-104/17
91-57-6	2-Methylnaphthalene	ND		1690	1270	75	1290	76	2	59-99/21
88-74-4	2-Nitroaniline	ND		1690	1390	82	1400	82	1	65-109/14
99-09-2	3-Nitroaniline	ND		1690	1080	64	1080	63	0	44-98/21
100-01-6	4-Nitroaniline	ND		1690	1240	73	1230	72	1	54-109/19
91-20-3	Naphthalene	ND		1690	1290	76	1310	77	2	59-100/21
98-95-3	Nitrobenzene	ND		1690	1300	77	1290	76	1	59-102/18
621-64-7	N-Nitroso-di-n-propylamine	ND		1690	1260	75	1280	75	2	55-106/19
86-30-6	N-Nitrosodiphenylamine	ND		1690	1430	85	1420	83	1	69-116/16
85-01-8	Phenanthrene	ND		1690	1440	85	1430	84	1	65-105/24
129-00-0	Pyrene	ND		1690	1530	91	1520	89	1	62-107/26
120-82-1	1,2,4-Trichlorobenzene	ND		1690	1300	77	1310	77	1	58-101/17

CAS No.	Surrogate Recoveries	MS	MSD	F24649-32	Limits
367-12-4	2-Fluorophenol	77%	77%	76%	45-114%
4165-62-2	Phenol-d5	77%	78%	75%	44-124%
118-79-6	2,4,6-Tribromophenol	81%	82%	77%	50-128%
4165-60-0	Nitrobenzene-d5	74%	76%	73%	41-123%
321-60-8	2-Fluorobiphenyl	74%	73%	74%	46-122%

ACCUTEST Laboratories

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10674-MS	L021933.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
OP10674-MSD	L021934.D	1	06/15/04	ME	06/14/04	OP10674	SL1177
F24649-32	L021932.D	1	06/15/04	ME	06/14/04	OP10674	SL1177

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-32, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

CAS No.	Surrogate Recoveries	MS	MSD	F24649-32	Limits
1718-51-0	Terphenyl-d14	83%	83%	85%	45-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MS	L021957.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
OP10685-MSD	L021958.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
F24685-6	L021956.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-33

CAS No.	Compound	F24685-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1790	1190	67	1170	66	2	54-104/18
59-50-7	4-Chloro-3-methyl phenol	ND		1790	1330	74	1380	78	4	57-107/17
120-83-2	2,4-Dichlorophenol	ND		1790	1330	74	1380	78	4	49-108/20
105-67-9	2,4-Dimethylphenol	ND		1790	1290	72	1320	74	2	42-94/25
51-28-5	2,4-Dinitrophenol	ND		3570	1420	40	1360	38	4	22-114/22
534-52-1	4,6-Dinitro-o-cresol	ND		3570	2190	61	2260	63	3	35-117/25
95-48-7	2-Methylphenol	ND		1790	1230	69	1200	67	2	54-100/18
	3&4-Methylphenol	ND		3570	2410	67	2450	69	2	55-102/18
88-75-5	2-Nitrophenol	ND		1790	1230	69	1250	70	2	48-108/19
100-02-7	4-Nitrophenol	ND		3570	2580	72	2690	76	4	46-116/15
87-86-5	Pentachlorophenol	ND		3570	2120	59	2240	63	6	45-112/16
108-95-2	Phenol	ND		1790	1250	70	1200	67	4	54-104/17
95-95-4	2,4,5-Trichlorophenol	ND		1790	1330	74	1390	78	4	56-108/23
88-06-2	2,4,6-Trichlorophenol	ND		1790	1300	73	1370	77	5	57-102/14
83-32-9	Acenaphthene	ND		1790	1360	76	1430	80	5	57-108/19
208-96-8	Acenaphthylene	ND		1790	1290	72	1370	77	6	60-120/17
120-12-7	Anthracene	ND		1790	1400	78	1440	81	3	68-105/16
56-55-3	Benzo(a)anthracene	ND		1790	1430	80	1480	83	3	69-104/24
50-32-8	Benzo(a)pyrene	ND		1790	1460	82	1490	84	2	66-114/26
205-99-2	Benzo(b)fluoranthene	ND		1790	1450	81	1450	81	0	64-113/19
191-24-2	Benzo(g,h,i)perylene	ND		1790	1430	80	1480	83	3	44-133/23
207-08-9	Benzo(k)fluoranthene	ND		1790	1500	84	1540	87	3	63-111/23
101-55-3	4-Bromophenyl phenyl ether	ND		1790	1410	79	1480	83	5	67-102/15
85-68-7	Butyl benzyl phthalate	ND		1790	1480	83	1520	85	3	61-113/16
91-58-7	2-Chloronaphthalene	ND		1790	1290	72	1350	76	5	60-103/15
106-47-8	4-Chloroaniline	ND		1790	918	51	961	54	5	22-104/27
86-74-8	Carbazole	ND		1790	1310	73	1370	77	4	70-109/21
218-01-9	Chrysene	ND		1790	1450	81	1520	85	5	68-102/25
111-91-1	bis(2-Chloroethoxy)methane	ND		1790	1110	62	1130	63	2	50-100/19
111-44-4	bis(2-Chloroethyl)ether	ND		1790	1240	69	1160	65	7	56-105/20
7005-72-3	4-Chlorophenyl phenyl ether	ND		1790	1340	75	1390	78	4	64-105/13
95-50-1	1,2-Dichlorobenzene	ND		1790	1060	59	1050	59	1	55-99/18
541-73-1	1,3-Dichlorobenzene	ND		1790	1030	58	1020	57	1	53-98/19
106-46-7	1,4-Dichlorobenzene	ND		1790	1030	58	1030	58	0	55-99/19
121-14-2	2,4-Dinitrotoluene	ND		1790	1280	72	1360	76	6	66-107/14
606-20-2	2,6-Dinitrotoluene	ND		1790	1320	74	1410	79	7	67-110/13

ACCUTEST Laboratories

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MS	L021957.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
OP10685-MSD	L021958.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
F24685-6	L021956.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-33

CAS No.	Compound	F24685-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
91-94-1	3,3'-Dichlorobenzidine	ND		1790	773	43	824	46	6	25-103/24
53-70-3	Dibenzo(a,h)anthracene	ND		1790	1410	79	1420	80	1	48-130/21
132-64-9	Dibenzofuran	ND		1790	1310	73	1380	78	5	65-102/13
84-74-2	Di-n-butyl phthalate	ND		1790	1360	76	1440	81	6	62-114/16
117-84-0	Di-n-octyl phthalate	ND		1790	1650	92	1670	94	1	61-120/18
84-66-2	Diethyl phthalate	ND		1790	1320	74	1390	78	5	67-104/13
131-11-3	Dimethyl phthalate	ND		1790	1310	73	1410	79	7	66-104/13
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1790	1460	82	1500	84	3	62-115/16
206-44-0	Fluoranthene	ND		1790	1320	74	1400	79	6	58-122/22
86-73-7	Fluorene	ND		1790	1400	78	1470	83	5	64-107/21
118-74-1	Hexachlorobenzene	ND		1790	1370	77	1440	81	5	66-103/16
87-68-3	Hexachlorobutadiene	ND		1790	1160	65	1130	63	3	49-90/18
77-47-4	Hexachlorocyclopentadiene	ND		1790	737	41	756	42	3	10-99/34
67-72-1	Hexachloroethane	ND		1790	1040	58	1040	58	0	51-103/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1790	1420	80	1500	84	5	48-132/23
78-59-1	Isophorone	ND		1790	1240	69	1290	72	4	61-104/17
91-57-6	2-Methylnaphthalene	ND		1790	1170	66	1220	69	4	59-99/21
88-74-4	2-Nitroaniline	ND		1790	1360	76	1430	80	5	65-109/14
99-09-2	3-Nitroaniline	ND		1790	1160	65	1210	68	4	44-98/21
100-01-6	4-Nitroaniline	ND		1790	1190	67	1270	71	7	54-109/19
91-20-3	Naphthalene	ND		1790	1180	66	1170	66	1	59-100/21
98-95-3	Nitrobenzene	ND		1790	1160	65	1160	65	0	59-102/18
621-64-7	N-Nitroso-di-n-propylamine	ND		1790	1190	67	1160	65	3	55-106/19
86-30-6	N-Nitrosodiphenylamine	ND		1790	1390	78	1470	83	6	69-116/16
85-01-8	Phenanthrene	ND		1790	1410	79	1500	84	6	65-105/24
129-00-0	Pyrene	ND		1790	1540	86	1580	89	3	62-107/26
120-82-1	1,2,4-Trichlorobenzene	ND		1790	1180	66	1170	66	1	58-101/17

CAS No.	Surrogate Recoveries	MS	MSD	F24685-6	Limits
367-12-4	2-Fluorophenol	71%	66%	69%	45-114%
4165-62-2	Phenol-d5	73%	69%	69%	44-124%
118-79-6	2,4,6-Tribromophenol	76%	78%	76%	50-128%
4165-60-0	Nitrobenzene-d5	67%	65%	67%	41-123%
321-60-8	2-Fluorobiphenyl	72%	72%	71%	46-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MS	L021957.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
OP10685-MSD	L021958.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
F24685-6	L021956.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24649-33

CAS No.	Surrogate Recoveries	MS	MSD	F24685-6	Limits
1718-51-0	Terphenyl-d14	81%	81%	79%	45-135%

ACCUTEST Laboratories

Semivolatile Surrogate Recovery Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Method: SW846 8270C Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F24649-1	L021895.D	84.0	85.0	84.0	80.0	81.0	89.0
F24649-2	L021896.D	82.0	82.0	95.0	80.0	81.0	93.0
F24649-3	L021897.D	77.0	77.0	86.0	74.0	75.0	86.0
F24649-4	L021898.D	81.0	80.0	88.0	78.0	78.0	85.0
F24649-5	L021901.D	93.0	92.0	96.0	90.0	89.0	98.0
F24649-6	L021902.D	82.0	82.0	85.0	80.0	78.0	88.0
F24649-7	L021903.D	80.0	80.0	84.0	78.0	79.0	84.0
F24649-8	L021904.D	78.0	78.0	86.0	74.0	76.0	91.0
F24649-9	L021905.D	77.0	77.0	82.0	75.0	76.0	87.0
F24649-10	L021906.D	87.0	87.0	85.0	83.0	86.0	98.0
F24649-11	L021907.D	84.0	84.0	86.0	80.0	79.0	95.0
F24649-12	L021908.D	79.0	82.0	90.0	75.0	77.0	95.0
F24649-13	L021909.D	77.0	77.0	81.0	76.0	75.0	92.0
F24649-14	L021910.D	59.0	60.0	71.0	57.0	58.0	78.0
F24649-15	L021911.D	81.0	81.0	86.0	80.0	81.0	92.0
F24649-16	L021912.D	81.0	82.0	88.0	78.0	83.0	96.0
F24649-17	W020291.D	79.0	78.0	81.0	78.0	78.0	92.0
F24649-18	W020292.D	79.0	76.0	79.0	78.0	76.0	95.0
F24649-19	W020293.D	79.0	77.0	80.0	79.0	77.0	95.0
F24649-20	L021920.D	74.0	74.0	76.0	74.0	74.0	85.0
F24649-21	L021921.D	84.0	83.0	88.0	82.0	81.0	94.0
F24649-22	L021922.D	77.0	78.0	80.0	75.0	77.0	87.0
F24649-23	L021923.D	66.0	65.0	69.0	64.0	66.0	75.0
F24649-24	L021924.D	67.0	66.0	69.0	65.0	65.0	74.0
F24649-25	L021925.D	67.0	67.0	74.0	64.0	64.0	76.0
F24649-26	L021926.D	67.0	68.0	70.0	64.0	65.0	75.0
F24649-27	L021927.D	62.0	64.0	69.0	60.0	63.0	70.0
F24649-28	L021928.D	67.0	68.0	71.0	67.0	67.0	77.0
F24649-29	L021929.D	76.0	76.0	84.0	76.0	76.0	86.0
F24649-30	L021930.D	69.0	69.0	76.0	67.0	66.0	81.0
F24649-31	L021931.D	76.0	77.0	87.0	72.0	77.0	92.0
F24649-32	L021932.D	76.0	75.0	77.0	73.0	74.0	85.0
F24649-33	L021950.D	53.0	55.0	62.0	49.0	56.0	67.0
F24649-34	L021935.D	66.0	66.0	70.0	64.0	64.0	75.0
F24649-35	L021936.D	67.0	71.0	83.0	65.0	72.0	89.0
F24649-36	L021937.D	71.0	73.0	77.0	69.0	72.0	80.0
F24649-37	L021938.D	76.0	76.0	76.0	75.0	74.0	84.0
F24649-38	L021939.D	82.0	84.0	85.0	82.0	83.0	93.0
F24649-39	L021945.D	67.0	68.0	68.0	64.0	67.0	74.0
F24649-40	L021946.D	75.0	76.0	75.0	72.0	72.0	85.0

Semivolatile Surrogate Recovery Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Method: SW846 8270C Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
OP10656-BS	L021892.D	90.0	89.0	94.0	89.0	85.0	97.0
OP10656-MB	L021893.D	83.0	82.0	86.0	83.0	82.0	90.0
OP10656-MB	W020290.D	81.0	80.0	78.0	81.0	79.0	93.0
OP10656-MS	L021899.D	84.0	83.0	91.0	82.0	80.0	90.0
OP10656-MSD	L021900.D	92.0	90.0	98.0	91.0	89.0	99.0
OP10674-BS	L021918.D	89.0	87.0	97.0	86.0	86.0	100.0
OP10674-MB	L021919.D	79.0	79.0	81.0	79.0	79.0	89.0
OP10674-MB	L021944.D	82.0	82.0	81.0	77.0	77.0	86.0
OP10674-MS	L021933.D	77.0	77.0	81.0	74.0	74.0	83.0
OP10674-MSD	L021934.D	77.0	78.0	82.0	76.0	73.0	83.0
OP10685-BS	L021953.D	80.0	81.0	90.0	76.0	80.0	91.0
OP10685-MB	L021948.D	81.0	81.0	83.0	77.0	78.0	95.0
OP10685-MS	L021957.D	71.0	73.0	76.0	67.0	72.0	81.0
OP10685-MSD	L021958.D	66.0	69.0	78.0	65.0	72.0	81.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	45-114%
S2 = Phenol-d5	44-124%
S3 = 2,4,6-Tribromophenol	50-128%
S4 = Nitrobenzene-d5	41-123%
S5 = 2-Fluorobiphenyl	46-122%
S6 = Terphenyl-d14	45-135%

ACCUTEST Laboratories

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1171-DFTPP	Injection Date:	06/07/04
Lab File ID:	L021792.D	Injection Time:	12:55
Instrument ID:	GCMSL		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	128779	39.6		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	125525	38.6		Pass
70	Less than 2.0% of mass 69	671	0.21	(0.53) [a]	Pass
127	40.0 - 60.0% of mass 198	155115	47.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	325120	100.0		Pass
199	5.0 - 9.0% of mass 198	21654	6.7		Pass
275	10.0 - 30.0% of mass 198	70211	21.6		Pass
365	1.0 - 100.0% of mass 198	7080	2.2		Pass
441	Present, but less than mass 443	32845	10.1	(75.1) [b]	Pass
442	40.0 - 100.0% of mass 198	220971	68.0		Pass
443	17.0 - 23.0% of mass 442	43707	13.4	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1171-IC1171	L021793.D	06/07/04	13:14	00:19	Initial cal 5
SL1171-IC1171	L021794.D	06/07/04	13:45	00:50	Initial cal 25
SL1171-IC1171	L021795.D	06/07/04	14:15	01:20	Initial cal 50
SL1171-ICC1171	L021796.D	06/07/04	14:45	01:50	Initial cal 75
SL1171-IC1171	L021797.D	06/07/04	15:15	02:20	Initial cal 100
SL1171-IC1171	L021798.D	06/07/04	15:46	02:51	Initial cal 125
SL1171-ICV1171	L021799.D	06/07/04	16:18	03:23	Initial cal verification 50
OP10604-LBS	L021800.D	06/07/04	16:51	03:56	Blank Spike
OP10604-LB	L021801.D	06/07/04	17:23	04:28	Leachate Blank
F24336-1	L021802.D	06/07/04	17:55	05:00	(used for QC only; not part of job F24649)
OP10604-MS	L021803.D	06/07/04	18:27	05:32	Matrix Spike
OP10604-MSD	L021804.D	06/07/04	18:59	06:04	Matrix Spike Duplicate
ZZZZZZ	L021805.D	06/07/04	19:30	06:35	(unrelated sample)
ZZZZZZ	L021806.D	06/07/04	20:02	07:07	(unrelated sample)
ZZZZZZ	L021807.D	06/07/04	20:33	07:38	(unrelated sample)
ZZZZZZ	L021808.D	06/07/04	21:04	08:09	(unrelated sample)
ZZZZZZ	L021809.D	06/07/04	21:34	08:39	(unrelated sample)
ZZZZZZ	L021810.D	06/07/04	22:05	09:10	(unrelated sample)
ZZZZZZ	L021811.D	06/07/04	22:36	09:41	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1171-DFTPP	Injection Date:	06/07/04
Lab File ID:	L021792.D	Injection Time:	12:55
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F24413-6	L021812.D	06/07/04	23:06	10:11	(used for QC only; not part of job F24649)
OP10604-DUP	L021813.D	06/07/04	23:37	10:42	Duplicate
ZZZZZZ	L021814.D	06/08/04	00:07	11:12	(unrelated sample)
OP10604-LS	L021815.D	06/08/04	00:38	11:43	Leachate Spike

Initial Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1171-ICC1171
Lab FileID: L021796.D

Response Factor Report MSBNA02

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Mon Jun 07 16:42:35 2004
Response via : Initial Calibration

Calibration Files
5 =L021793.D 25 =L021794.D 50 =L021795.D 75 =L021796.D
100 =L021797.D 125 =L021798.D icv =L021799.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.487	0.494	0.485	0.493	0.496	0.484		0.490	1.05
3) N-nitrosodimethyl	0.616	0.660	0.654	0.645	0.641	0.643		0.643	2.33
4) Pyridine	1.235	1.332	1.335	1.362	1.328	1.397		1.331	4.04
5) Benzaldehyde	0.943	1.070	1.076	1.001	1.033	1.039		1.027	4.79
6) Aniline	1.991	2.078	1.990	1.973	1.957	1.895		1.981	3.00
7)S 2-Fluorophenol	1.127	1.214	1.177	1.183	1.165	1.150		1.169	2.53
8) bis(2-Chloroethyl	1.210	1.208	1.190	1.170	1.173	1.171		1.187	1.56
9)S Phenol-d5	1.543	1.588	1.527	1.517	1.490	1.458		1.520	2.93
10)C Phenol	1.732	1.837	1.783	1.764	1.755	1.738		1.768	2.18
11) 2-Chlorophenol	1.331	1.433	1.395	1.429	1.420	1.430		1.406	2.81
12) 1,3-Dichlorobenze	1.535	1.592	1.562	1.555	1.500	1.500		1.541	2.35
13)C 1,4-Dichlorobenze	1.546	1.587	1.568	1.565	1.529	1.501		1.549	1.99
14) 1,2-Dichlorobenze	1.447	1.510	1.459	1.450	1.441	1.421		1.455	2.07
15) Benzyl alcohol	0.829	0.890	0.904	0.905	0.930	0.932		0.899	4.19
16) bis(2-chloroisopr	1.979	1.960	1.849	1.783	1.736	1.685		1.832	6.53
17) 2-Methylphenol	1.165	1.235	1.224	1.226	1.229	1.211		1.215	2.11
18) Acetophenone	1.698	1.870	1.894	1.811	1.890	2.031		1.866	5.85
19) Hexachloroethane	0.512	0.553	0.549	0.563	0.558	0.548		0.547	3.29
20)P N-Nitroso-di-n-pr	0.919	0.951	0.939	0.902	0.937	0.937		0.931	1.87
21) 3&4-Methylphenol	1.224	1.325	1.302	1.290	1.336	1.328		1.301	3.18
22) I Naphthalene-d8	ISTD								
23)S Nitrobenzene-d5	0.336	0.364	0.357	0.368	0.366	0.354		0.357	3.26
24) Nitrobenzene	0.331	0.365	0.355	0.361	0.354	0.346		0.352	3.43
25) Isophorone	0.627	0.659	0.646	0.642	0.652	0.627		0.642	2.03
26)C 2-Nitrophenol	0.163	0.201	0.196	0.200	0.202	0.200		0.194	7.82
27) 2,4-Dimethylpheno	0.316	0.361	0.354	0.355	0.347	0.341		0.346	4.66
28) bis(2-Chloroethox	0.376	0.392	0.381	0.386	0.375	0.367		0.380	2.30
29) Benzoic Acid	0.120	0.203	0.215	0.229	0.232	0.249		0.208	22.19
---- Quadratic regression ---- Coefficient = 0.9994									
Response Ratio = -0.00752 + 0.20024 *A + 0.01596 *A^2									
30)C 2,4-Dichloropheno	0.274	0.307	0.308	0.311	0.305	0.296		0.300	4.62
31) 1,2,4-Trichlorobe	0.311	0.324	0.323	0.320	0.304	0.299		0.313	3.29
32) Naphthalene	1.008	1.035	1.013	0.980	0.967	0.948		0.992	3.27
33) 4-Chloroaniline	0.439	0.464	0.453	0.456	0.451	0.436		0.450	2.39
34) 2,6-Dichloropheno	0.287	0.305	0.303	0.302	0.294	0.292		0.297	2.36
35)C Hexachlorobutadie	0.155	0.163	0.160	0.158	0.156	0.149		0.157	3.12
36) Caprolactam	0.102	0.127	0.128	0.128	0.133	0.143		0.127	10.81
37)C 4-Chloro-3-methyl	0.273	0.305	0.308	0.317	0.321	0.319		0.307	5.89
38) 2-Methylnaphthale	0.685	0.695	0.684	0.689	0.685	0.662		0.684	1.64
39) 1-Methylnaphthale	0.653	0.700	0.673	0.666	0.665	0.647		0.667	2.78
40) 1,2,4,5-Tetrachlo	0.319	0.328	0.323	0.324	0.322	0.313		0.321	1.66
41) I Acenaphthene-d10	ISTD								

Initial Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
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Sample: SL1171-ICC1171
Lab FileID: L021796.D

42)P	Hexachlorocyclope	0.089	0.211	0.248	0.270	0.282	0.289	0.231	32.49

---- Quadratic regression ---- Coefficient = 0.9997
Response Ratio = -0.02658 + 0.25540 *A + 0.01392 *A^2

43)C	2,4,6-Trichloroph	0.347	0.391	0.386	0.387	0.390	0.399	0.383	4.75
44)	2,4,5-Trichloroph	0.371	0.418	0.417	0.410	0.425	0.434	0.412	5.33
45)S	2-Fluorobiphenyl	1.392	1.406	1.375	1.347	1.320	1.334	1.362	2.50
46)	1,1'-Biphenyl	1.440	1.615	1.577	1.503	1.519	1.598	1.542	4.32
47)	2-Chloronaphthale	1.201	1.236	1.161	1.158	1.147	1.150	1.175	3.02
48)	2-Nitroaniline	0.314	0.377	0.381	0.383	0.397	0.410	0.377	8.77
49)	Acenaphthylene	1.901	2.006	1.918	1.910	1.919	1.889	1.924	2.17
50)	Dimethylphthalate	1.408	1.478	1.446	1.414	1.439	1.452	1.440	1.78
51)	2,6-Dinitrotoluen	0.282	0.335	0.320	0.321	0.329	0.336	0.320	6.31
52)C	Acenaphthene	1.199	1.225	1.193	1.171	1.165	1.167	1.187	1.99
53)	3-Nitroaniline	0.338	0.389	0.393	0.382	0.393	0.398	0.382	5.86
54)P	2,4-Dinitrophenol	0.053	0.120	0.153	0.171	0.195	0.212	0.151	38.27

---- Quadratic regression ---- Coefficient = 0.9998
Response Ratio = -0.01053 + 0.12213 *A + 0.03007 *A^2

55)	Dibenzofuran	1.702	1.752	1.748	1.663	1.691	1.715	1.712	2.00
56)	2,4-Dinitrotoluen	0.380	0.452	0.470	0.463	0.475	0.495	0.456	8.72
57)P	4-Nitrophenol	0.126	0.167	0.179	0.184	0.195	0.205	0.176	15.64

---- Quadratic regression ---- Coefficient = 0.9999
Response Ratio = -0.00274 + 0.16025 *A + 0.01440 *A^2

58)	2,3,4,6-Tetrachlo	0.241	0.307	0.322	0.320	0.324	0.326	0.307	10.73
59)	Fluorene	1.349	1.402	1.382	1.354	1.358	1.379	1.370	1.49
60)	4-Chlorophenyl-ph	0.648	0.656	0.643	0.637	0.633	0.639	0.643	1.32
61)	Diethylphthalate	1.390	1.437	1.397	1.385	1.399	1.427	1.406	1.51
62)	4-Nitroaniline	0.309	0.392	0.404	0.394	0.418	0.435	0.392	11.13
63) I	Phenanthrene-d10	----------ISTD----------							
64)	4,6-Dinitro-2-met	0.071	0.131	0.151	0.150	0.164	0.165	0.139	25.45

---- Quadratic regression ---- Coefficient = 0.9990
Response Ratio = -0.01027 + 0.14615 *A + 0.00744 *A^2

65)C	n-Nitrosodiphenyl	0.565	0.614	0.595	0.580	0.578	0.553	0.581	3.71
66)	1,2-Diphenylhydra	0.675	0.735	0.741	0.735	0.727	0.706	0.720	3.53
67)S	2,4,6-Tribromophe	0.068	0.081	0.084	0.084	0.085	0.081	0.081	7.79
68)	4-Bromophenyl-phe	0.179	0.198	0.198	0.194	0.200	0.192	0.193	3.89
69)	Hexachlorobenzene	0.181	0.193	0.187	0.187	0.192	0.181	0.187	2.64
70)	Atrazine	0.194	0.240	0.249	0.231	0.237	0.246	0.233	8.63
71)C	Pentachlorophenol	0.039	0.070	0.082	0.095	0.099	0.101	0.081	29.46

---- Quadratic regression ---- Coefficient = 0.9988
Response Ratio = -0.00935 + 0.08620 *A + 0.00601 *A^2

72)	Phenanthrene	1.134	1.167	1.151	1.111	1.133	1.091	1.131	2.42
73)	Anthracene	1.129	1.193	1.201	1.163	1.150	1.135	1.162	2.59
74)	Carbazole	1.067	1.144	1.161	1.096	1.090	1.113	1.112	3.18
75)	Di-n-butylphthala	1.168	1.283	1.325	1.267	1.276	1.260	1.263	4.12
76)C	Fluoranthene	1.150	1.222	1.236	1.159	1.219	1.198	1.197	2.98
77) I	Chrysene-d12	----------ISTD----------							
78)	Benzidine	0.730	0.969	0.987	0.971	0.939	0.941	0.923	10.42
79)	Pyrene	1.356	1.438	1.360	1.355	1.294	1.262	1.344	4.55
80)S	Terphenyl-d14	0.771	0.830	0.788	0.778	0.748	0.747	0.777	3.95
81)	Butylbenzylphthal	0.528	0.626	0.631	0.626	0.599	0.618	0.605	6.51
82)	3,3'-Dichlorobenz	0.403	0.452	0.453	0.455	0.451	0.446	0.443	4.56
83)	Benzo[a]anthracen	1.149	1.250	1.212	1.216	1.199	1.202	1.205	2.70
84)	Chrysene	1.099	1.172	1.131	1.109	1.111	1.081	1.117	2.80

ACCUTEST Laboratories

Initial Calibration Summary

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Sample: SL1171-ICC1171
Lab FileID: L021796.D

85)	bis(2-Ethylhexyl)	0.733	0.853	0.864	0.854	0.831	0.823	0.826	5.83
86) I	Perylene-d12	----------ISTD----------							
87)C	Di-n-octylphthala	1.616	1.954	2.054	2.005	1.927	1.816	1.895	8.38
88)	Benzo[b]fluoranth	1.558	1.714	1.710	1.702	1.614	1.689	1.664	3.86
89)	Benzo[k]fluoranth	1.522	1.682	1.651	1.621	1.581	1.420	1.580	6.08
90)C	Benzo[a]pyrene	1.458	1.563	1.582	1.611	1.539	1.507	1.543	3.56
91)	Indeno[1,2,3-cd]p	1.404	1.512	1.629	1.650	1.692	1.629	1.586	6.77
92)	Dibenz[a,h]anthra	1.355	1.444	1.491	1.470	1.443	1.411	1.436	3.33
93)	Benzo[g,h,i]peryl	1.520	1.612	1.655	1.705	1.638	1.603	1.622	3.81

(#) = Out of Range

8270C.M Tue Jun 08 09:22:49 2004

Initial Calibration Verification

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1171-ICV1171
Lab FileID: L021799.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\060704\L021799.D
Acq On : 7 Jun 2004 4:18 pm
Sample : icv1171-50
Misc : op10599,sl1171,30.5,,,1,1,soil
MS Integration Params: LSCINT.P

Vial: 8
Operator: marke
Inst : MSBNA02
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Mon Jun 07 16:42:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	111	0.00	4.98
2		1,4-Dioxane	50.000	49.972	0.1	0	0.00	2.58
3		N-nitrosodimethylamine	50.000	55.028	-10.1	0	0.00	2.91
4		Pyridine	50.000	46.316	7.4	0	0.00	2.91
5		Benzaldehyde	50.000	0.565	98.9#	0	0.00	4.65
6		Aniline	50.000	15.654	68.7#	0	0.00	4.76
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	52.693	-5.4	0	0.00	4.79
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	51.825	-3.7	0	0.00	4.77
11		2-Chlorophenol	50.000	51.557	-3.1	0	0.00	4.85
12		1,3-Dichlorobenzene	50.000	49.734	0.5	0	0.00	4.95
13	C	1,4-Dichlorobenzene	50.000	49.884	0.2	0	0.00	4.99
14		1,2-Dichlorobenzene	50.000	50.675	-1.3	0	0.00	5.15
15		Benzyl alcohol	50.000	50.881	-1.8	0	0.00	5.11
16		bis(2-chloroisopropyl)eth	50.000	53.421	-6.8	0	0.00	5.23
17		2-Methylphenol	50.000	50.337	-0.7	0	0.00	5.23
18		Acetophenone	50.000	49.434	1.1	0	0.00	5.33
19		Hexachloroethane	50.000	51.806	-3.6	0	0.00	5.41
20	P	N-Nitroso-di-n-propylamin	50.000	49.871	0.3	0	0.00	5.35
21		3&4-Methylphenol	100.000	99.422	0.6	0	0.00	5.35
22	I	Naphthalene-d8	40.000	40.000	0.0	113	0.00	6.16
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	49.186	1.6	0	0.00	5.49
25		Isophorone	50.000	51.521	-3.0	0	0.00	5.70
26	C	2-Nitrophenol	50.000	51.497	-3.0	0	0.00	5.79
27		2,4-Dimethylphenol	50.000	51.126	-2.3	0	0.00	5.83
28		bis(2-Chloroethoxy)methan	50.000	46.163	7.7	0	0.00	5.91
		----------	Amount	Calc.	%Drift	----------		
29		Benzoic Acid	100.000	100.872	-0.9	0	0.00	5.97
		----------	Amount	Calc.	%Drift	----------		
30	C	2,4-Dichlorophenol	50.000	52.123	-4.2	0	0.00	6.03
31		1,2,4-Trichlorobenzene	50.000	50.158	-0.3	0	0.00	6.11
32		Naphthalene	50.000	50.993	-2.0	0	0.00	6.18
33		4-Chloroaniline	50.000	26.732	46.5#	0	0.00	6.26
34		2,6-Dichlorophenol	50.000	46.843	6.3	0	0.00	6.27
35	C	Hexachlorobutadiene	50.000	48.635	2.7	0	0.00	6.37
36		Caprolactam	50.000	49.805	0.4	0	0.00	6.63
37	C	4-Chloro-3-methylphenol	50.000	50.649	-1.3	0	0.00	6.84

ACCUTEST Laboratories

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Sample: SL1171-ICV1171
Lab FileID: L021799.D

			Amount	Calc.	%Drift			
38		2-Methylnaphthalene	50.000	48.119	3.8	0	0.00	6.98
39		1-Methylnaphthalene	50.000	50.012	-0.0	0	0.00	7.12
40		1,2,4,5-Tetrachlorobenzen	50.000	46.849	6.3	0	0.00	7.25
41	I	Acenaphthene-d10	40.000	40.000	0.0	111	0.00	8.49
			Amount	Calc.	%Drift			
42	P	Hexachlorocyclopentadiene	50.000	47.247	5.5	0	0.00	7.28
			Amount	Calc.	%Drift			
43	C	2,4,6-Trichlorophenol	50.000	47.871	4.3	0	0.00	7.41
44		2,4,5-Trichlorophenol	50.000	49.394	1.2	0	0.00	7.47
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	47.822	4.4	0	0.00	7.62
47		2-Chloronaphthalene	50.000	48.680	2.6	0	0.00	7.64
48		2-Nitroaniline	50.000	50.504	-1.0	0	0.00	7.84
49		Acenaphthylene	50.000	49.623	0.8	0	0.00	8.26
50		Dimethylphthalate	50.000	50.158	-0.3	0	0.00	8.16
51		2,6-Dinitrotoluene	50.000	49.055	1.9	0	0.00	8.26
52	C	Acenaphthene	50.000	52.537	-5.1	0	0.00	8.54
53		3-Nitroaniline	50.000	33.043	33.9#	0	0.00	8.48
			Amount	Calc.	%Drift			
54	P	2,4-Dinitrophenol	100.000	97.655	2.3	0	0.00	8.65
			Amount	Calc.	%Drift			
55		Dibenzofuran	50.000	48.723	2.6	0	0.00	8.80
56		2,4-Dinitrotoluene	50.000	50.226	-0.5	0	0.00	8.89
			Amount	Calc.	%Drift			
57	P	4-Nitrophenol	100.000	97.344	2.7	0	0.00	8.84
			Amount	Calc.	%Drift			
58		2,3,4,6-Tetrachlorophenol	50.000	46.346	7.3	0	0.00	9.09
59		Fluorene	50.000	52.671	-5.3	0	0.00	9.37
60		4-Chlorophenyl-phenylethe	50.000	49.459	1.1	0	0.00	9.39
61		Diethylphthalate	50.000	50.507	-1.0	0	0.00	9.32
62		4-Nitroaniline	50.000	48.481	3.0	0	0.00	9.50
63	I	Phenanthrene-d10	40.000	40.000	0.0	111	0.00	10.98
			Amount	Calc.	%Drift			
64		4,6-Dinitro-2-methylpheno	100.000	106.244	-6.2	0	0.00	9.58
			Amount	Calc.	%Drift			
65	C	n-Nitrosodiphenylamine	50.000	51.025	-2.0	0	0.00	9.61
66		1,2-Diphenylhydrazine	50.000	52.320	-4.6	0	0.00	9.66
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	50.981	-2.0	0	0.00	10.22
69		Hexachlorobenzene	50.000	49.888	0.2	0	0.00	10.45
70		Atrazine	50.000	19.724	60.6#	0	0.00	10.64
			Amount	Calc.	%Drift			
71	C	Pentachlorophenol	100.000	96.837	3.2	0	0.00	10.80
			Amount	Calc.	%Drift			
72		Phenanthrene	50.000	52.898	-5.8	0	0.00	11.02
73		Anthracene	50.000	51.558	-3.1	0	0.00	11.10
74		Carbazole	50.000	50.241	-0.5	0	0.00	11.44
75		Di-n-butylphthalate	50.000	50.387	-0.8	0	0.00	12.28

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Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1171-ICV1171
Lab FileID: L021799.D

76	C	Fluoranthene	50.000	50.604	-1.2	0	0.00	13.21
77	I	Chrysene-d12	40.000	40.000	0.0	109	0.00	15.93
78		Benzidine		----------NA----------				
79		Pyrene	50.000	54.850	-9.7	0	0.00	13.61
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	51.979	-4.0	0	0.00	15.08
82		3,3'-Dichlorobenzidine	50.000	35.873	28.3#	0	-0.01	15.95
83		Benzo[a]anthracene	50.000	52.958	-5.9	0	0.00	15.90
84		Chrysene	50.000	54.588	-9.2	0	0.00	15.98
85		bis(2-Ethylhexyl)phthalat	50.000	51.364	-2.7	0	0.00	16.29
86	I	Perylene-d12	40.000	40.000	0.0	107	0.00	18.45
87	C	Di-n-octylphthalate	50.000	57.607	-15.2	0	0.00	17.41
88		Benzo[b]fluoranthene	50.000	52.948	-5.9	0	0.00	17.84
89		Benzo[k]fluoranthene	50.000	54.243	-8.5	0	0.00	17.88
90	C	Benzo[a]pyrene	50.000	53.834	-7.7	0	0.00	18.35
91		Indeno[1,2,3-cd]pyrene	50.000	51.061	-2.1	0	0.00	20.07
92		Dibenz[a,h]anthracene	50.000	51.259	-2.5	0	-0.01	20.10
93		Benzo[g,h,i]perylene	50.000	51.122	-2.2	0	-0.01	20.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L021799.D 8270C.M Tue Jun 08 09:23:06 2004

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1176-DFTPP	Injection Date:	06/14/04
Lab File ID:	L021890.D	Injection Time:	08:32
Instrument ID:	GCMSL		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	110946	46.4		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	101983	42.7		Pass
70	Less than 2.0% of mass 69	512	0.21	(0.5) [a]	Pass
127	40.0 - 60.0% of mass 198	122744	51.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	239037	100.0		Pass
199	5.0 - 9.0% of mass 198	16767	7.0		Pass
275	10.0 - 30.0% of mass 198	49680	20.8		Pass
365	1.0 - 100.0% of mass 198	5084	2.1		Pass
441	Present, but less than mass 443	19314	8.1	(74.6) [b]	Pass
442	40.0 - 100.0% of mass 198	135257	56.6		Pass
443	17.0 - 23.0% of mass 442	25880	10.8	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1176-CC1171	L021891.D	06/14/04	08:51	00:19	Continuing cal 75
OP10656-BS	L021892.D	06/14/04	09:21	00:49	Blank Spike
OP10656-MB	L021893.D	06/14/04	09:51	01:19	Method Blank
ZZZZZZ	L021894.D	06/14/04	10:22	01:50	(unrelated sample)
F24649-1	L021895.D	06/14/04	10:52	02:20	C03D-13C-06-0604
F24649-2	L021896.D	06/14/04	11:23	02:51	C03D-13C-12-0604
F24649-3	L021897.D	06/14/04	11:54	03:22	C03D-13C-24-0604
F24649-4	L021898.D	06/14/04	12:25	03:53	C03D-9C-06-0604
OP10656-MS	L021899.D	06/14/04	12:57	04:25	Matrix Spike
OP10656-MSD	L021900.D	06/14/04	13:28	04:56	Matrix Spike Duplicate
F24649-5	L021901.D	06/14/04	14:00	05:28	C03D-9C-12-0604
F24649-6	L021902.D	06/14/04	14:31	05:59	C03D-9C-24-0604
F24649-7	L021903.D	06/14/04	15:03	06:31	C03D-5C-06-0604
F24649-8	L021904.D	06/14/04	15:35	07:03	C03D-5C-12-0604
F24649-9	L021905.D	06/14/04	16:07	07:35	C03D-5C-24-0604
F24649-10	L021906.D	06/14/04	16:38	08:06	C03D-01C-06-0604
F24649-11	L021907.D	06/14/04	17:31	08:59	C03D-01C-12-0604
F24649-12	L021908.D	06/14/04	18:02	09:30	C03D-01C-24-0604
F24649-13	L021909.D	06/14/04	18:33	10:01	KW-DUP-01-0604

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1176-DFTPP	Injection Date:	06/14/04
Lab File ID:	L021890.D	Injection Time:	08:32
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F24649-14	L021910.D	06/14/04	19:03	10:31	KW-DUP-02-0604
F24649-15	L021911.D	06/14/04	19:33	11:01	KW-DUP-03-0604
F24649-16	L021912.D	06/14/04	20:03	11:31	C03D-02C-06-0604

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1176-CC1171
Lab FileID: L021891.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\061404\L021891.D
Acq On : 14 Jun 2004 8:51 am
Sample : cc1171-75
Misc : op10630,sl1176,1000,,,1,1,water
MS Integration Params: LSCINT.P

Vial: 2
Operator: marke
Inst : MSBNA02
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Mon Jun 07 16:42:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	-0.01	4.97
2		1,4-Dioxane	0.490	0.500	-2.0	103	-0.02	2.55
3		N-nitrosodimethylamine	0.643	0.691	-7.5	109	-0.02	2.89
4		Pyridine	1.331	1.352	-1.6	101	-0.02	2.89
5		Benzaldehyde	1.027	0.746	27.4#	76	-0.01	4.64
6		Aniline	1.981	2.006	-1.3	104	-0.01	4.74
7	S	2-Fluorophenol	1.169	1.179	-0.9	102	-0.01	4.05
8		bis(2-Chloroethyl)ether	1.187	1.156	2.6	101	-0.01	4.78
9	S	Phenol-d5	1.520	1.503	1.1	101	-0.01	4.75
10	C	Phenol	1.768	1.746	1.2	101	-0.02	4.75
11		2-Chlorophenol	1.406	1.438	-2.3	103	-0.01	4.84
12		1,3-Dichlorobenzene	1.541	1.544	-0.2	101	-0.02	4.94
13	C	1,4-Dichlorobenzene	1.549	1.545	0.3	101	-0.01	4.98
14		1,2-Dichlorobenzene	1.455	1.443	0.8	101	-0.01	5.13
15		Benzyl alcohol	0.899	0.909	-1.1	102	-0.02	5.10
16		bis(2-chloroisopropyl)eth	1.832	1.860	-1.5	106	-0.02	5.21
17		2-Methylphenol	1.215	1.226	-0.9	102	-0.01	5.22
18		Acetophenone	1.866	1.861	0.3	105	-0.02	5.32
19		Hexachloroethane	0.547	0.565	-3.3	102	-0.02	5.39
20	P	N-Nitroso-di-n-propylamin	0.931	0.943	-1.3	106	-0.01	5.34
21		3&4-Methylphenol	1.301	1.317	-1.2	104	-0.01	5.34
22	I	Naphthalene-d8	1.000	1.000	0.0	102	-0.02	6.14
23	S	Nitrobenzene-d5	0.357	0.375	-5.0	104	-0.02	5.46
24		Nitrobenzene	0.352	0.362	-2.8	103	-0.02	5.47
25		Isophorone	0.642	0.648	-0.9	103	-0.01	5.69
26	C	2-Nitrophenol	0.194	0.203	-4.6	104	-0.01	5.77
27		2,4-Dimethylphenol	0.346	0.358	-3.5	103	-0.02	5.82
28		bis(2-Chloroethoxy)methan	0.380	0.384	-1.1	102	-0.02	5.89
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	75.000	74.573	0.6	100	-0.02	5.95
		----------	AvgRF	CCRF	%Dev		----------	
30	C	2,4-Dichlorophenol	0.300	0.309	-3.0	102	-0.01	6.02
31		1,2,4-Trichlorobenzene	0.313	0.317	-1.3	101	-0.02	6.09
32		Naphthalene	0.992	0.995	-0.3	104	-0.02	6.16
33		4-Chloroaniline	0.450	0.446	0.9	100	-0.02	6.24
34		2,6-Dichlorophenol	0.297	0.301	-1.3	102	-0.02	6.25
35	C	Hexachlorobutadiene	0.157	0.167	-6.4	108	-0.02	6.35
36		Caprolactam	0.127	0.120	5.5	96	-0.01	6.62
37	C	4-Chloro-3-methylphenol	0.307	0.316	-2.9	102	-0.02	6.83

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1176-CC1171
Lab FileID: L021891.D

38	2-Methylnaphthalene	0.684	0.679	0.7	101	-0.02	6.97
39	1-Methylnaphthalene	0.667	0.671	-0.6	103	-0.02	7.10
40	1,2,4,5-Tetrachlorobenzen	0.321	0.325	-1.2	103	-0.02	7.24
41 I	Acenaphthene-d10	1.000	1.000	0.0	100	-0.02	8.48
	----------	Amount	Calc.	%Drift		----------	
42 P	Hexachlorocyclopentadiene	75.000	77.599	-3.5	103	-0.02	7.26
	----------	AvgRF	CCRF	%Dev		----------	
43 C	2,4,6-Trichlorophenol	0.383	0.403	-5.2	104	-0.02	7.39
44	2,4,5-Trichlorophenol	0.412	0.429	-4.1	105	-0.02	7.45
45 S	2-Fluorobiphenyl	1.362	1.372	-0.7	102	-0.02	7.48
46	1,1'-Biphenyl	1.542	1.542	0.0	103	-0.02	7.61
47	2-Chloronaphthalene	1.175	1.183	-0.7	102	-0.02	7.62
48	2-Nitroaniline	0.377	0.402	-6.6	105	-0.02	7.83
49	Acenaphthylene	1.924	1.939	-0.8	102	-0.02	8.24
50	Dimethylphthalate	1.440	1.418	1.5	100	-0.02	8.16
51	2,6-Dinitrotoluene	0.320	0.322	-0.6	100	-0.02	8.25
52 C	Acenaphthene	1.187	1.179	0.7	101	-0.02	8.52
53	3-Nitroaniline	0.382	0.378	1.0	99	-0.02	8.47
	----------	Amount	Calc.	%Drift		----------	
54 P	2,4-Dinitrophenol	75.000	75.217	-0.3	102	-0.02	8.63
	----------	AvgRF	CCRF	%Dev		----------	
55	Dibenzofuran	1.712	1.712	0.0	103	-0.02	8.78
56	2,4-Dinitrotoluene	0.456	0.461	-1.1	100	-0.02	8.88
	----------	Amount	Calc.	%Drift		----------	
57 P	4-Nitrophenol	75.000	77.352	-3.1	105	-0.01	8.82
	----------	AvgRF	CCRF	%Dev		----------	
58	2,3,4,6-Tetrachlorophenol	0.307	0.314	-2.3	98	-0.02	9.08
59	Fluorene	1.370	1.348	1.6	100	-0.02	9.35
60	4-Chlorophenyl-phenylethe	0.643	0.635	1.2	100	-0.02	9.37
61	Diethylphthalate	1.406	1.395	0.8	101	-0.02	9.31
62	4-Nitroaniline	0.392	0.391	0.3	99	-0.02	9.49
63 I	Phenanthrene-d10	1.000	1.000	0.0	99	-0.02	10.96
	----------	Amount	Calc.	%Drift		----------	
64	4,6-Dinitro-2-methylpheno	75.000	76.720	-2.3	105	-0.02	9.56
	----------	AvgRF	CCRF	%Dev		----------	
65 C	n-Nitrosodiphenylamine	0.581	0.585	-0.7	100	-0.02	9.60
66	1,2-Diphenylhydrazine	0.720	0.752	-4.4	102	-0.02	9.64
67 S	2,4,6-Tribromophenol	0.081	0.086	-6.2	101	-0.02	9.80
68	4-Bromophenyl-phenylether	0.193	0.201	-4.1	103	-0.02	10.20
69	Hexachlorobenzene	0.187	0.191	-2.1	101	-0.02	10.44
70	Atrazine	0.233	0.229	1.7	98	-0.02	10.63
	----------	Amount	Calc.	%Drift		----------	
71 C	Pentachlorophenol	75.000	71.680	4.4	92	-0.02	10.78
	----------	AvgRF	CCRF	%Dev		----------	
72	Phenanthrene	1.131	1.130	0.1	101	-0.02	11.00
73	Anthracene	1.162	1.166	-0.3	100	-0.02	11.08
74	Carbazole	1.112	1.103	0.8	100	-0.02	11.43
75	Di-n-butylphthalate	1.263	1.305	-3.3	102	-0.03	12.26

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1176-CC1171
Lab FileID: L021891.D

76	C	Fluoranthene	1.197	1.201	-0.3	103	-0.03	13.19
77	I	Chrysene-d12	1.000	1.000	0.0	100	-0.02	15.91
78		Benzidine	0.923	0.888	3.8	92	-0.03	13.52
79		Pyrene	1.344	1.393	-3.6	103	-0.03	13.59
80	S	Terphenyl-d14	0.777	0.806	-3.7	104	-0.03	14.00
81		Butylbenzylphthalate	0.605	0.635	-5.0	101	-0.02	15.06
82		3,3'-Dichlorobenzidine	0.443	0.454	-2.5	100	-0.02	15.93
83		Benzo[a]anthracene	1.205	1.233	-2.3	102	-0.02	15.88
84		Chrysene	1.117	1.129	-1.1	102	-0.03	15.96
85		bis(2-Ethylhexyl)phthalat	0.826	0.856	-3.6	100	-0.02	16.27
86	I	Perylene-d12	1.000	1.000	0.0	103	-0.03	18.42
87	C	Di-n-octylphthalate	1.895	1.937	-2.2	100	-0.02	17.39
88		Benzo[b]fluoranthene	1.664	1.634	1.8	99	-0.03	17.82
89		Benzo[k]fluoranthene	1.580	1.616	-2.3	103	-0.03	17.86
90	C	Benzo[a]pyrene	1.543	1.562	-1.2	100	-0.03	18.33
91		Indeno[1,2,3-cd]pyrene	1.586	1.659	-4.6	104	-0.03	20.05
92		Dibenz[a,h]anthracene	1.436	1.455	-1.3	102	-0.03	20.09
93		Benzo[g,h,i]perylene	1.622	1.641	-1.2	99	-0.03	20.41

(#) = Out of Range
L021796.D 8270C.M

SPCC's out = 0 CCC's out = 0
Tue Jun 15 10:33:00 2004

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1177-DFTPP	Injection Date:	06/15/04
Lab File ID:	L021916.D	Injection Time:	09:21
Instrument ID:	GCMSL		

5.4 C

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	146193	39.0		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	143220	38.2		Pass
70	Less than 2.0% of mass 69	305	0.08	(0.21) [a]	Pass
127	40.0 - 60.0% of mass 198	181288	48.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	375312	100.0		Pass
199	5.0 - 9.0% of mass 198	25765	6.9		Pass
275	10.0 - 30.0% of mass 198	82669	22.0		Pass
365	1.0 - 100.0% of mass 198	8998	2.4		Pass
441	Present, but less than mass 443	37104	9.9	(72.1) [b]	Pass
442	40.0 - 100.0% of mass 198	264768	70.5		Pass
443	17.0 - 23.0% of mass 442	51461	13.7	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1177-CC1171	L021917.D	06/15/04	09:41	00:20	Continuing cal 50
OP10674-BS	L021918.D	06/15/04	10:11	00:50	Blank Spike
OP10674-MB	L021919.D	06/15/04	10:41	01:20	Method Blank
F24649-20	L021920.D	06/15/04	11:12	01:51	C03D-03C-12-0604
F24649-21	L021921.D	06/15/04	11:43	02:22	C03D-03C-24-0604
F24649-22	L021922.D	06/15/04	12:14	02:53	C03D-04C-06-0604
F24649-23	L021923.D	06/15/04	12:45	03:24	C03D-04C-12-0604
F24649-24	L021924.D	06/15/04	13:16	03:55	C03D-04C-24-0604
F24649-25	L021925.D	06/15/04	13:47	04:26	C03D-16C-06-0604
F24649-26	L021926.D	06/15/04	14:19	04:58	C03D-16C-12-0604
F24649-27	L021927.D	06/15/04	14:50	05:29	C03D-16C-24-0604
F24649-28	L021928.D	06/15/04	15:22	06:01	C03D-12C-06-0604
F24649-29	L021929.D	06/15/04	15:53	06:32	C03D-12C-12-0604
F24649-30	L021930.D	06/15/04	16:24	07:03	C03D-12C-24-0604
F24649-31	L021931.D	06/15/04	16:55	07:34	C03D-08C-06-0604
F24649-32	L021932.D	06/15/04	17:26	08:05	C03D-08C-12-0604
OP10674-MS	L021933.D	06/15/04	17:57	08:36	Matrix Spike
OP10674-MSD	L021934.D	06/15/04	18:28	09:07	Matrix Spike Duplicate
F24649-34	L021935.D	06/15/04	18:58	09:37	C03D-15C-06-0604

ACCUTEST Laboratories

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1177-DFTPP	Injection Date:	06/15/04
Lab File ID:	L021916.D	Injection Time:	09:21
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F24649-35	L021936.D	06/15/04	19:29	10:08	C03D-15C-12-0604
F24649-36	L021937.D	06/15/04	19:59	10:38	C03D-15C-24-0604
F24649-37	L021938.D	06/15/04	20:30	11:09	KW-DUP-04-0604
F24649-38	L021939.D	06/15/04	21:00	11:39	C03D-14C-06-0604

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1177-CC1171
Lab FileID: L021917.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\061504\L021917.D
Acq On : 15 Jun 2004 9:41 am
Sample : cc1171-50
Misc : op10656,sl1177,30.8,,,1,1,soil
MS Integration Params: LSCINT.P

Vial: 2
Operator: marke
Inst : MSBNA02
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Mon Jun 07 16:42:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	-0.02	4.96
2		1,4-Dioxane	0.490	0.504	-2.9	106	-0.02	2.55
3		N-nitrosodimethylamine	0.643	0.717	-11.5	112	-0.02	2.88
4		Pyridine	1.331	1.332	-0.1	102	-0.02	2.89
5		Benzaldehyde	1.027	0.960	6.5	91	-0.02	4.63
6		Aniline	1.981	2.008	-1.4	103	-0.02	4.73
7	S	2-Fluorophenol	1.169	1.188	-1.6	103	-0.01	4.05
8		bis(2-Chloroethyl)ether	1.187	1.172	1.3	100	-0.02	4.77
9	S	Phenol-d5	1.520	1.529	-0.6	102	-0.02	4.74
10	C	Phenol	1.768	1.788	-1.1	102	-0.02	4.75
11		2-Chlorophenol	1.406	1.436	-2.1	105	-0.02	4.84
12		1,3-Dichlorobenzene	1.541	1.574	-2.1	103	-0.02	4.93
13	C	1,4-Dichlorobenzene	1.549	1.562	-0.8	102	-0.02	4.97
14		1,2-Dichlorobenzene	1.455	1.488	-2.3	104	-0.02	5.13
15		Benzyl alcohol	0.899	0.910	-1.2	103	-0.02	5.09
16		bis(2-chloroisopropyl)eth	1.832	1.926	-5.1	106	-0.02	5.21
17		2-Methylphenol	1.215	1.215	0.0	101	-0.01	5.22
18		Acetophenone	1.866	1.857	0.5	100	-0.02	5.31
19		Hexachloroethane	0.547	0.582	-6.4	108	-0.02	5.39
20	P	N-Nitroso-di-n-propylamin	0.931	0.935	-0.4	102	-0.02	5.33
21		3&4-Methylphenol	1.301	1.274	2.1	100	-0.02	5.33
22	I	Naphthalene-d8	1.000	1.000	0.0	102	-0.02	6.13
23	S	Nitrobenzene-d5	0.357	0.373	-4.5	107	-0.02	5.45
24		Nitrobenzene	0.352	0.355	-0.9	102	-0.02	5.47
25		Isophorone	0.642	0.648	-0.9	102	-0.03	5.67
26	C	2-Nitrophenol	0.194	0.200	-3.1	104	-0.02	5.77
27		2,4-Dimethylphenol	0.346	0.354	-2.3	102	-0.02	5.81
28		bis(2-Chloroethoxy)methan	0.380	0.379	0.3	101	-0.02	5.88
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	50.000	47.463	5.1	96	-0.04	5.93
		----------	AvgRF	CCRF	%Dev		----------	
30	C	2,4-Dichlorophenol	0.300	0.307	-2.3	102	-0.02	6.01
31		1,2,4-Trichlorobenzene	0.313	0.330	-5.4	104	-0.02	6.09
32		Naphthalene	0.992	1.001	-0.9	101	-0.03	6.15
33		4-Chloroaniline	0.450	0.445	1.1	100	-0.02	6.24
34		2,6-Dichlorophenol	0.297	0.306	-3.0	103	-0.02	6.25
35	C	Hexachlorobutadiene	0.157	0.167	-6.4	106	-0.03	6.34
36		Caprolactam	0.127	0.128	-0.8	102	-0.04	6.59
37	C	4-Chloro-3-methylphenol	0.307	0.312	-1.6	103	-0.02	6.82

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1177-CC1171
Lab FileID: L021917.D

38		2-Methylnaphthalene	0.684	0.686	-0.3	102	-0.03	6.96
39		1-Methylnaphthalene	0.667	0.676	-1.3	102	-0.03	7.10
40		1,2,4,5-Tetrachlorobenzen	0.321	0.327	-1.9	103	-0.02	7.23
41	I	Acenaphthene-d10	1.000	1.000	0.0	100	-0.03	8.46
		----------	Amount	Calc.	%Drift		----------	
42	P	Hexachlorocyclopentadiene	50.000	54.668	-9.3	112	-0.03	7.25
		----------	AvgRF	CCRF	%Dev		----------	
43	C	2,4,6-Trichlorophenol	0.383	0.406	-6.0	105	-0.03	7.38
44		2,4,5-Trichlorophenol	0.412	0.429	-4.1	103	-0.03	7.44
45	S	2-Fluorobiphenyl	1.362	1.413	-3.7	103	-0.02	7.47
46		1,1'-Biphenyl	1.542	1.636	-6.1	104	-0.02	7.60
47		2-Chloronaphthalene	1.175	1.204	-2.5	104	-0.03	7.61
48		2-Nitroaniline	0.377	0.397	-5.3	104	-0.03	7.82
49		Acenaphthylene	1.924	1.943	-1.0	101	-0.03	8.23
50		Dimethylphthalate	1.440	1.454	-1.0	100	-0.03	8.14
51		2,6-Dinitrotoluene	0.320	0.333	-4.1	104	-0.03	8.23
52	C	Acenaphthene	1.187	1.199	-1.0	100	-0.03	8.52
53		3-Nitroaniline	0.382	0.378	1.0	96	-0.03	8.45
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	50.000	53.357	-6.7	108	-0.03	8.62
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.712	1.735	-1.3	99	-0.03	8.77
56		2,4-Dinitrotoluene	0.456	0.477	-4.6	101	-0.03	8.86
		----------	Amount	Calc.	%Drift		----------	
57	P	4-Nitrophenol	50.000	53.783	-7.6	107	-0.02	8.82
		----------	AvgRF	CCRF	%Dev		----------	
58		2,3,4,6-Tetrachlorophenol	0.307	0.313	-2.0	97	-0.02	9.07
59		Fluorene	1.370	1.398	-2.0	101	-0.03	9.33
60		4-Chlorophenyl-phenylethe	0.643	0.658	-2.3	102	-0.03	9.36
61		Diethylphthalate	1.406	1.463	-4.1	105	-0.03	9.30
62		4-Nitroaniline	0.392	0.388	1.0	96	-0.04	9.47
63	I	Phenanthrene-d10	1.000	1.000	0.0	98	-0.03	10.95
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	50.000	53.886	-7.8	104	-0.03	9.55
		----------	AvgRF	CCRF	%Dev		----------	
65	C	n-Nitrosodiphenylamine	0.581	0.607	-4.5	100	-0.03	9.59
66		1,2-Diphenylhydrazine	0.720	0.764	-6.1	101	-0.03	9.62
67	S	2,4,6-Tribromophenol	0.081	0.087	-7.4	102	-0.03	9.79
68		4-Bromophenyl-phenylether	0.193	0.209	-8.3	104	-0.03	10.19
69		Hexachlorobenzene	0.187	0.194	-3.7	102	-0.03	10.42
70		Atrazine	0.233	0.251	-7.7	99	-0.03	10.62
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	50.000	47.363	5.3	97	-0.03	10.78
		----------	AvgRF	CCRF	%Dev		----------	
72		Phenanthrene	1.131	1.166	-3.1	100	-0.03	10.99
73		Anthracene	1.162	1.220	-5.0	100	-0.03	11.07
74		Carbazole	1.112	1.150	-3.4	97	-0.03	11.41
75		Di-n-butylphthalate	1.263	1.393	-10.3	103	-0.03	12.25

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1177-CC1171
Lab FileID: L021917.D

76	C	Fluoranthene	1.197	1.242	-3.8	99	-0.03	13.18
77	I	Chrysene-d12	1.000	1.000	0.0	95	-0.03	15.90
78		Benzidine	0.923	0.921	0.2	89	-0.04	13.51
79		Pyrene	1.344	1.413	-5.1	99	-0.04	13.58
80	S	Terphenyl-d14	0.777	0.822	-5.8	99	-0.04	13.99
81		Butylbenzylphthalate	0.605	0.672	-11.1	101	-0.03	15.06
82		3,3'-Dichlorobenzidine	0.443	0.462	-4.3	97	-0.03	15.93
83		Benzo[a]anthracene	1.205	1.248	-3.6	98	-0.03	15.87
84		Chrysene	1.117	1.128	-1.0	95	-0.04	15.95
85		bis(2-Ethylhexyl)phthalat	0.826	0.917	-11.0	101	-0.03	16.26
86	I	Perylene-d12	1.000	1.000	0.0	100	-0.03	18.42
87	C	Di-n-octylphthalate	1.895	2.114	-11.6	103	-0.03	17.38
88		Benzo[b]fluoranthene	1.664	1.653	0.7	97	-0.03	17.81
89		Benzo[k]fluoranthene	1.580	1.630	-3.2	99	-0.04	17.85
90	C	Benzo[a]pyrene	1.543	1.569	-1.7	100	-0.04	18.32
91		Indeno[1,2,3-cd]pyrene	1.586	1.658	-4.5	102	-0.04	20.04
92		Dibenz[a,h]anthracene	1.436	1.508	-5.0	102	-0.04	20.07
93		Benzo[g,h,i]perylene	1.622	1.717	-5.9	104	-0.04	20.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L021795.D 8270C.M Wed Jun 16 08:20:09 2004

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1178-DFTPP	Injection Date:	06/16/04
Lab File ID:	L021942.D	Injection Time:	07:56
Instrument ID:	GCMSL		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	169621	42.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	161694	40.5		Pass
70	Less than 2.0% of mass 69	856	0.21	(0.53) [a]	Pass
127	40.0 - 60.0% of mass 198	197376	49.4		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	399168	100.0		Pass
199	5.0 - 9.0% of mass 198	27174	6.8		Pass
275	10.0 - 30.0% of mass 198	85760	21.5		Pass
365	1.0 - 100.0% of mass 198	9316	2.3		Pass
441	Present, but less than mass 443	35225	8.8	(72.5) [b]	Pass
442	40.0 - 100.0% of mass 198	244040	61.1		Pass
443	17.0 - 23.0% of mass 442	48566	12.2	(19.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1178-CC1171	L021943.D	06/16/04	08:15	00:19	Continuing cal 75
OP10674-MB	L021944.D	06/16/04	08:45	00:49	Method Blank
F24649-39	L021945.D	06/16/04	09:15	01:19	C03D-14C-12-0604
F24649-40	L021946.D	06/16/04	09:45	01:49	C03D-14C-24-0604
OP10685-MB	L021948.D	06/16/04	10:45	02:49	Method Blank
F24649-33	L021950.D	06/16/04	11:47	03:51	C03D-08C-24-0604
ZZZZZZ	L021951.D	06/16/04	12:17	04:21	(unrelated sample)
ZZZZZZ	L021952.D	06/16/04	12:48	04:52	(unrelated sample)
OP10685-BS	L021953.D	06/16/04	13:18	05:22	Blank Spike
ZZZZZZ	L021954.D	06/16/04	13:50	05:54	(unrelated sample)
ZZZZZZ	L021955.D	06/16/04	14:21	06:25	(unrelated sample)
F24685-6	L021956.D	06/16/04	14:52	06:56	(used for QC only; not part of job F24649)
OP10685-MS	L021957.D	06/16/04	15:24	07:28	Matrix Spike
OP10685-MSD	L021958.D	06/16/04	15:55	07:59	Matrix Spike Duplicate
ZZZZZZ	L021959.D	06/16/04	16:27	08:31	(unrelated sample)
ZZZZZZ	L021960.D	06/16/04	16:58	09:02	(unrelated sample)
ZZZZZZ	L021962.D	06/16/04	18:01	10:05	(unrelated sample)
ZZZZZZ	L021963.D	06/16/04	18:32	10:36	(unrelated sample)
ZZZZZZ	L021964.D	06/16/04	19:04	11:08	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1178-DFTPP	Injection Date:	06/16/04
Lab File ID:	L021942.D	Injection Time:	07:56
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	L021965.D	06/16/04	19:35	11:39	(unrelated sample)

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1178-CC1171
Lab FileID: L021943.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\061604\L021943.D
Acq On : 16 Jun 2004 8:15 am
Sample : cc1171-75
Misc : op10674,sl1178,30.0,,,1,1,soil
MS Integration Params: LSCINT.P

Vial: 2
Operator: marke
Inst : MSBNA02
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Mon Jun 07 16:42:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	-0.02	4.96
2		1,4-Dioxane	0.490	0.512	-4.5	101	-0.02	2.55
3		N-nitrosodimethylamine	0.643	0.715	-11.2	108	-0.02	2.88
4		Pyridine	1.331	1.323	0.6	94	-0.02	2.89
5		Benzaldehyde	1.027	1.055	-2.7	102	-0.02	4.63
6		Aniline	1.981	2.002	-1.1	98	-0.02	4.74
7	S	2-Fluorophenol	1.169	1.180	-0.9	97	-0.02	4.04
8		bis(2-Chloroethyl)ether	1.187	1.202	-1.3	100	-0.02	4.77
9	S	Phenol-d5	1.520	1.522	-0.1	97	-0.02	4.74
10	C	Phenol	1.768	1.829	-3.5	101	-0.02	4.75
11		2-Chlorophenol	1.406	1.445	-2.8	98	-0.02	4.84
12		1,3-Dichlorobenzene	1.541	1.581	-2.6	99	-0.02	4.93
13	C	1,4-Dichlorobenzene	1.549	1.574	-1.6	98	-0.02	4.97
14		1,2-Dichlorobenzene	1.455	1.494	-2.7	100	-0.02	5.13
15		Benzyl alcohol	0.899	0.855	4.9	92	-0.02	5.10
16		bis(2-chloroisopropyl)eth	1.832	1.888	-3.1	103	-0.02	5.21
17		2-Methylphenol	1.215	1.231	-1.3	97	-0.02	5.21
18		Acetophenone	1.866	1.934	-3.6	104	-0.02	5.31
19		Hexachloroethane	0.547	0.585	-6.9	101	-0.02	5.39
20	P	N-Nitroso-di-n-propylamin	0.931	0.962	-3.3	103	-0.02	5.33
21		3&4-Methylphenol	1.301	1.326	-1.9	100	-0.02	5.33
22	I	Naphthalene-d8	1.000	1.000	0.0	98	-0.02	6.13
23	S	Nitrobenzene-d5	0.357	0.374	-4.8	100	-0.02	5.45
24		Nitrobenzene	0.352	0.364	-3.4	99	-0.02	5.47
25		Isophorone	0.642	0.651	-1.4	99	-0.02	5.68
26	C	2-Nitrophenol	0.194	0.206	-6.2	101	-0.02	5.76
27		2,4-Dimethylphenol	0.346	0.358	-3.5	99	-0.02	5.81
28		bis(2-Chloroethoxy)methan	0.380	0.379	0.3	96	-0.03	5.88
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	75.000	67.366	10.2	85	-0.03	5.94
		----------	AvgRF	CCRF	%Dev		----------	
30	C	2,4-Dichlorophenol	0.300	0.309	-3.0	98	-0.02	6.01
31		1,2,4-Trichlorobenzene	0.313	0.328	-4.8	100	-0.03	6.09
32		Naphthalene	0.992	1.003	-1.1	100	-0.02	6.15
33		4-Chloroaniline	0.450	0.449	0.2	97	-0.02	6.23
34		2,6-Dichlorophenol	0.297	0.303	-2.0	98	-0.02	6.25
35	C	Hexachlorobutadiene	0.157	0.172	-9.6	106	-0.03	6.34
36		Caprolactam	0.127	0.125	1.6	96	-0.03	6.60
37	C	4-Chloro-3-methylphenol	0.307	0.317	-3.3	98	-0.03	6.82

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1178-CC1171
Lab FileID: L021943.D

38		2-Methylnaphthalene	0.684	0.685	-0.1	97	-0.03	6.96
39		1-Methylnaphthalene	0.667	0.668	-0.1	98	-0.02	7.10
40		1,2,4,5-Tetrachlorobenzen	0.321	0.334	-4.0	101	-0.03	7.23
41	I	Acenaphthene-d10	1.000	1.000	0.0	94	-0.03	8.47
		----------	Amount	Calc.	%Drift		----------	
42	P	Hexachlorocyclopentadiene	75.000	75.820	-1.1	94	-0.02	7.25
		----------	AvgRF	CCRF	%Dev		----------	
43	C	2,4,6-Trichlorophenol	0.383	0.401	-4.7	97	-0.02	7.38
44		2,4,5-Trichlorophenol	0.412	0.427	-3.6	98	-0.03	7.44
45	S	2-Fluorobiphenyl	1.362	1.395	-2.4	97	-0.03	7.47
46		1,1'-Biphenyl	1.542	1.587	-2.9	99	-0.03	7.60
47		2-Chloronaphthalene	1.175	1.188	-1.1	97	-0.03	7.61
48		2-Nitroaniline	0.377	0.399	-5.8	98	-0.03	7.82
49		Acenaphthylene	1.924	1.967	-2.2	97	-0.03	8.23
50		Dimethylphthalate	1.440	1.445	-0.3	96	-0.03	8.15
51		2,6-Dinitrotoluene	0.320	0.332	-3.8	97	-0.03	8.24
52	C	Acenaphthene	1.187	1.208	-1.8	97	-0.03	8.52
53		3-Nitroaniline	0.382	0.384	-0.5	95	-0.03	8.46
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	75.000	70.148	6.5	87	-0.03	8.62
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.712	1.719	-0.4	97	-0.03	8.77
56		2,4-Dinitrotoluene	0.456	0.472	-3.5	96	-0.03	8.87
		----------	Amount	Calc.	%Drift		----------	
57	P	4-Nitrophenol	75.000	77.328	-3.1	99	-0.02	8.81
		----------	AvgRF	CCRF	%Dev		----------	
58		2,3,4,6-Tetrachlorophenol	0.307	0.320	-4.2	94	-0.03	9.07
59		Fluorene	1.370	1.376	-0.4	96	-0.03	9.34
60		4-Chlorophenyl-phenylethe	0.643	0.650	-1.1	96	-0.03	9.36
61		Diethylphthalate	1.406	1.421	-1.1	97	-0.03	9.30
62		4-Nitroaniline	0.392	0.397	-1.3	95	-0.03	9.48
63	I	Phenanthrene-d10	1.000	1.000	0.0	94	-0.03	10.95
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	75.000	76.987	-2.6	100	-0.03	9.55
		----------	AvgRF	CCRF	%Dev		----------	
65	C	n-Nitrosodiphenylamine	0.581	0.599	-3.1	97	-0.03	9.59
66		1,2-Diphenylhydrazine	0.720	0.749	-4.0	96	-0.03	9.63
67	S	2,4,6-Tribromophenol	0.081	0.086	-6.2	96	-0.03	9.79
68		4-Bromophenyl-phenylether	0.193	0.205	-6.2	100	-0.03	10.19
69		Hexachlorobenzene	0.187	0.195	-4.3	98	-0.03	10.43
70		Atrazine	0.233	0.245	-5.2	100	-0.03	10.62
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	75.000	73.144	2.5	89	-0.03	10.78
		----------	AvgRF	CCRF	%Dev		----------	
72		Phenanthrene	1.131	1.142	-1.0	97	-0.03	10.99
73		Anthracene	1.162	1.179	-1.5	95	-0.03	11.07
74		Carbazole	1.112	1.120	-0.7	96	-0.03	11.42
75		Di-n-butylphthalate	1.263	1.344	-6.4	100	-0.04	12.25

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1178-CC1171
Lab FileID: L021943.D

76	C	Fluoranthene	1.197	1.228	-2.6	100	-0.03	13.18
77	I	Chrysene-d12	1.000	1.000	0.0	95	-0.03	15.90
78		Benzidine	0.923	0.961	-4.1	94	-0.04	13.51
79		Pyrene	1.344	1.403	-4.4	99	-0.03	13.59
80	S	Terphenyl-d14	0.777	0.811	-4.4	100	-0.04	13.99
81		Butylbenzylphthalate	0.605	0.652	-7.8	99	-0.03	15.05
82		3,3'-Dichlorobenzidine	0.443	0.460	-3.8	96	-0.03	15.93
83		Benzo[a]anthracene	1.205	1.226	-1.7	96	-0.03	15.87
84		Chrysene	1.117	1.115	0.2	96	-0.03	15.95
85		bis(2-Ethylhexyl)phthalat	0.826	0.865	-4.7	97	-0.03	16.26
86	I	Perylene-d12	1.000	1.000	0.0	93	-0.03	18.42
87	C	Di-n-octylphthalate	1.895	2.063	-8.9	96	-0.03	17.38
88		Benzo[b]fluoranthene	1.664	1.721	-3.4	94	-0.03	17.82
89		Benzo[k]fluoranthene	1.580	1.650	-4.4	95	-0.04	17.85
90	C	Benzo[a]pyrene	1.543	1.627	-5.4	94	-0.03	18.33
91		Indeno[1,2,3-cd]pyrene	1.586	1.618	-2.0	91	-0.04	20.04
92		Dibenz[a,h]anthracene	1.436	1.466	-2.1	93	-0.04	20.08
93		Benzo[g,h,i]perylene	1.622	1.659	-2.3	90	-0.03	20.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L021796.D 8270C.M Wed Jun 16 12:52:53 2004

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SW1064-DFTPP	Injection Date:	06/09/04
Lab File ID:	W020219.D	Injection Time:	14:11
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	36693	47.8		Pass
68	Less than 2.0% of mass 69	200	0.26	(0.63) [a]	Pass
69	Mass 69 relative abundance	31819	41.4		Pass
70	Less than 2.0% of mass 69	131	0.17	(0.41) [a]	Pass
127	40.0 - 60.0% of mass 198	41779	54.4		Pass
197	Less than 1.0% of mass 198	469	0.61		Pass
198	Base peak, 100% relative abundance	76779	100.0		Pass
199	5.0 - 9.0% of mass 198	5155	6.7		Pass
275	10.0 - 30.0% of mass 198	14061	18.3		Pass
365	1.0 - 100.0% of mass 198	1519	2.0		Pass
441	Present, but less than mass 443	7332	9.5	(83.1) [b]	Pass
442	40.0 - 100.0% of mass 198	46107	60.1		Pass
443	17.0 - 23.0% of mass 442	8819	11.5	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1064-IC1064	W020220.D	06/09/04	14:30	00:19	Initial cal 5
SW1064-IC1064	W020221.D	06/09/04	15:01	00:50	Initial cal 25
SW1064-IC1064	W020222.D	06/09/04	15:32	01:21	Initial cal 50
SW1064-ICC1064	W020223.D	06/09/04	16:03	01:52	Initial cal 75
SW1064-IC1064	W020224.D	06/09/04	16:34	02:23	Initial cal 100
SW1064-IC1064	W020225.D	06/09/04	17:04	02:53	Initial cal 125
SW1064-ICV1064	W020226.D	06/09/04	17:35	03:24	Initial cal verification 50
OP10581-BS	W020227.D	06/09/04	18:06	03:55	Blank Spike
OP10581-MB	W020228.D	06/09/04	18:37	04:26	Method Blank
ZZZZZZ	W020229.D	06/09/04	19:07	04:56	(unrelated sample)
ZZZZZZ	W020230.D	06/09/04	19:37	05:26	(unrelated sample)
ZZZZZZ	W020231.D	06/09/04	20:08	05:57	(unrelated sample)
ZZZZZZ	W020232.D	06/09/04	20:38	06:27	(unrelated sample)
ZZZZZZ	W020233.D	06/09/04	21:08	06:57	(unrelated sample)
ZZZZZZ	W020234.D	06/09/04	21:38	07:27	(unrelated sample)
ZZZZZZ	W020235.D	06/09/04	22:08	07:57	(unrelated sample)
ZZZZZZ	W020236.D	06/09/04	22:37	08:26	(unrelated sample)
F24290-4	W020237.D	06/09/04	23:07	08:56	(used for QC only; not part of job F24649)
OP10581-MS	W020238.D	06/09/04	23:37	09:26	Matrix Spike

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SW1064-DFTPP	Injection Date:	06/09/04
Lab File ID:	W020219.D	Injection Time:	14:11
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP10581-MSD	W020239.D	06/10/04	00:06	09:55	Matrix Spike Duplicate
ZZZZZZ	W020240.D	06/10/04	00:36	10:25	(unrelated sample)
ZZZZZZ	W020241.D	06/10/04	01:05	10:54	(unrelated sample)
ZZZZZZ	W020242.D	06/10/04	01:35	11:24	(unrelated sample)

5.4 C

Initial Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICC1064
Lab FileID: W020223.D

Response Factor Report MSBNA01

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Initial Calibration

Calibration Files
5 =W020220.D 25 =W020221.D 50 =W020222.D 75 =W020223.D
100 =W020224.D 125 =W020225.D icv =W020226.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) 1,4-Dioxane	0.569	0.585	0.589	0.592	0.589	0.580		0.584	1.41
3) N-nitrosodimethyl	0.622	0.674	0.680	0.675	0.666	0.682		0.667	3.39
4) Pyridine	1.423	1.524	1.503	1.470	1.491	1.500		1.485	2.37
5) Benzaldehyde	1.081	1.167	1.109	0.957	0.817			1.026	13.62
6) Aniline	2.178	2.261	2.247	2.196	2.126	2.149		2.193	2.43
7)S 2-Fluorophenol	1.323	1.387	1.385	1.349	1.341	1.336		1.354	1.97
8) bis(2-Chloroethyl	1.298	1.403	1.330	1.393	1.408	1.366		1.366	3.24
9)S Phenol-d5	1.686	1.756	1.725	1.659	1.630	1.629		1.681	3.09
10)C Phenol	1.854	1.983	1.945	1.872	1.826	1.820		1.883	3.52
11) 2-Chlorophenol	1.468	1.542	1.545	1.519	1.514	1.509		1.516	1.84
12) 1,3-Dichlorobenze	1.556	1.615	1.590	1.586	1.582	1.578		1.585	1.20
13)C 1,4-Dichlorobenze	1.592	1.673	1.654	1.616	1.588	1.593		1.619	2.23
14) 1,2-Dichlorobenze	1.481	1.509	1.526	1.499	1.474	1.471		1.493	1.45
15) Benzyl alcohol	0.937	1.015	1.005	0.994	0.988	0.992		0.988	2.73
16) bis(2-chloroisopr	2.521	2.798	2.788	2.665	2.684	2.657		2.686	3.78
17) 2-Methylphenol	1.338	1.377	1.369	1.336	1.310	1.324		1.342	1.93
18) Acetophenone	1.737	1.942	2.016	1.869	1.875	1.968		1.901	5.16
19) Hexachloroethane	0.597	0.644	0.641	0.628	0.633	0.634		0.630	2.70
20)P N-Nitroso-di-n-pr	0.952	0.974	0.975	0.954	0.960	0.943		0.960	1.32
21) 3&4-Methylphenol	1.357	1.421	1.442	1.394	1.369	1.363		1.391	2.47
22) I Naphthalene-d8	----------ISTD----------								
23)S Nitrobenzene-d5	0.340	0.368	0.370	0.366	0.363	0.364		0.362	3.04
24) Nitrobenzene	0.346	0.360	0.360	0.362	0.356	0.357		0.357	1.58
25) Isophorone	0.608	0.625	0.636	0.625	0.622	0.627		0.624	1.46
26)C 2-Nitrophenol	0.179	0.190	0.194	0.196	0.194	0.197		0.192	3.41
27) 2,4-Dimethylpheno	0.344	0.364	0.361	0.360	0.350	0.351		0.355	2.19
28) bis(2-Chloroethox	0.386	0.417	0.412	0.404	0.402	0.400		0.404	2.65
29) Benzoic Acid	0.147	0.242	0.262	0.272	0.271	0.287		0.247	20.72
---- Linear regression ---- Coefficient = 0.9983									
Response Ratio = -0.02855 + 0.28968 *A									
30)C 2,4-Dichloropheno	0.254	0.267	0.273	0.271	0.268	0.266		0.267	2.45
31) 1,2,4-Trichlorobe	0.291	0.299	0.298	0.300	0.296	0.292		0.296	1.31
32) Naphthalene	1.009	1.068	1.042	1.039	1.026	1.022		1.034	1.95
33) 4-Chloroaniline	0.413	0.430	0.425	0.427	0.418	0.411		0.421	1.88
34) 2,6-Dichloropheno	0.256	0.270	0.270	0.267	0.262	0.258		0.264	2.31
35)C Hexachlorobutadie	0.145	0.148	0.147	0.148	0.147	0.145		0.147	1.00
36) Caprolactam	0.082	0.107	0.104	0.100	0.096	0.096		0.097	8.81
37)C 4-Chloro-3-methyl	0.286	0.293	0.292	0.288	0.285	0.287		0.288	1.14
38) 2-Methylnaphthale	0.617	0.645	0.626	0.636	0.624	0.612		0.627	1.97
39) 1-Methylnaphthale	0.602	0.625	0.614	0.616	0.593	0.596		0.608	2.07
40) 1,2,4,5-Tetrachlo	0.252	0.262	0.256	0.252	0.252	0.251		0.254	1.70
41) I Acenaphthene-d10	----------ISTD----------								

ACCUTEST Laboratories

Initial Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICC1064
Lab FileID: W020223.D

42)P	Hexachlorocyclope	0.359	0.404	0.414	0.420	0.433	0.440	0.412	6.95
43)C	2,4,6-Trichloroph	0.385	0.418	0.409	0.417	0.419	0.430	0.413	3.73
44)	2,4,5-Trichloroph	0.419	0.448	0.438	0.442	0.438	0.438	0.437	2.24
45)S	2-Fluorobiphenyl	1.354	1.454	1.426	1.421	1.451	1.452	1.426	2.68
46)	1,1'-Biphenyl	1.584	1.729	1.731	1.654	1.679	1.792	1.695	4.27
47)	2-Chloronaphthale	1.264	1.327	1.289	1.285	1.265	1.303	1.289	1.86
48)	2-Nitroaniline	0.380	0.410	0.423	0.413	0.414	0.430	0.411	4.15
49)	Acenaphthylene	2.010	2.104	2.101	2.076	2.097	2.119	2.085	1.89
50)	Dimethylphthalate	1.331	1.350	1.312	1.270	1.271	1.298	1.305	2.46
51)	2,6-Dinitrotoluen	0.287	0.317	0.311	0.310	0.309	0.313	0.308	3.47
52)C	Acenaphthene	1.251	1.280	1.279	1.268	1.266	1.293	1.273	1.14
53)	3-Nitroaniline	0.371	0.396	0.401	0.384	0.380	0.385	0.386	2.87
54)P	2,4-Dinitrophenol	0.091	0.162	0.195	0.196	0.204	0.209	0.176	25.38

---- Quadratic regression ---- Coefficient = 0.9997
Response Ratio = -0.01577 + 0.19444 *A + 0.00624 *A^2

55)	Dibenzofuran	1.627	1.697	1.668	1.644	1.643	1.665	1.657	1.49
56)	2,4-Dinitrotoluen	0.398	0.410	0.413	0.404	0.405	0.415	0.407	1.49
57)P	4-Nitrophenol	0.185	0.201	0.207	0.207	0.198	0.209	0.201	4.43
58)	2,3,4,6-Tetrachlo	0.303	0.319	0.326	0.319	0.314	0.321	0.317	2.50
59)	Fluorene	1.283	1.336	1.306	1.284	1.282	1.299	1.298	1.61
60)	4-Chlorophenyl-ph	0.625	0.623	0.611	0.596	0.596	0.602	0.609	2.11
61)	Diethylphthalate	1.327	1.409	1.376	1.319	1.346	1.356	1.356	2.46
62)	4-Nitroaniline	0.347	0.386	0.380	0.368	0.358	0.371	0.368	3.79
63) I	Phenanthrene-d10	----------ISTD----------							
64)	4,6-Dinitro-2-met	0.090	0.137	0.151	0.153	0.160	0.162	0.142	19.04

---- Quadratic regression ---- Coefficient = 0.9999
Response Ratio = -0.00805 + 0.14876 *A + 0.00527 *A^2

65)C	n-Nitrosodiphenyl	0.577	0.620	0.605	0.607	0.610	0.598	0.603	2.38
66)	1,2-Diphenylhydra	0.880	0.929	0.908	0.908	0.915	0.999	0.923	4.40
67)S	2,4,6-Tribromophe	0.075	0.084	0.083	0.083	0.085	0.083	0.082	4.20
68)	4-Bromophenyl-phe	0.183	0.192	0.192	0.192	0.194	0.192	0.191	2.00
69)	Hexachlorobenzene	0.179	0.180	0.178	0.176	0.177	0.175	0.177	1.08
70)	Atrazine	0.193	0.212	0.208	0.190	0.193	0.204	0.200	4.56
71)C	Pentachlorophenol	0.101	0.121	0.123	0.124	0.128	0.125	0.120	8.31
72)	Phenanthrene	1.188	1.204	1.218	1.203	1.198	1.187	1.200	0.96
73)	Anthracene	1.230	1.276	1.247	1.224	1.229	1.192	1.233	2.26
74)	Carbazole	1.030	1.066	1.043	1.017	1.039	1.021	1.036	1.74
75)	Di-n-butylphthala	1.299	1.419	1.409	1.374	1.404	1.401	1.384	3.19
76)C	Fluoranthene	1.021	1.086	1.073	1.042	1.041	1.038	1.050	2.32
77) I	Chrysene-d12	----------ISTD----------							
78)	Benzidine	0.996	1.091	1.070	1.070	1.022	0.954	1.034	5.08
79)	Pyrene	1.577	1.663	1.629	1.659	1.662	1.633	1.637	2.02
80)S	Terphenyl-d14	0.844	0.902	0.886	0.899	0.904	0.881	0.886	2.54
81)	Butylbenzylphthal	0.726	0.815	0.841	0.835	0.836	0.829	0.814	5.40
82)	3,3'-Dichlorobenz	0.413	0.437	0.439	0.437	0.427	0.422	0.429	2.39
83)	Benzo[a]anthracen	1.255	1.290	1.291	1.282	1.272	1.254	1.274	1.31
84)	Chrysene	1.172	1.221	1.199	1.195	1.179	1.189	1.193	1.44
85)	bis(2-Ethylhexyl)	0.963	1.090	1.093	1.113	1.151	1.112	1.087	5.93
86) I	Perylene-d12	----------ISTD----------							
87)C	Di-n-octylphthala	2.403	2.840	2.872	2.849	3.006	3.015	2.831	7.90
88)	Benzo[b]fluoranth	1.609	1.776	1.780	1.820	1.793	1.955	1.789	6.20
89)	Benzo[k]fluoranth	1.712	1.767	1.740	1.729	1.704	1.625	1.713	2.82
90)C	Benzo[a]pyrene	1.472	1.633	1.607	1.626	1.619	1.660	1.603	4.15
91)	Indeno[1,2,3-cd]p	1.117	1.230	1.256	1.313	1.301	1.355	1.262	6.63
92)	Dibenz[a,h]anthra	1.014	1.229	1.200	1.257	1.271	1.242	1.202	7.95

ACCUTEST Laboratories

Initial Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICC1064
Lab FileID: W020223.D

93)	Benzo[g,h,i]peryl	1.287	1.362	1.328	1.368	1.386	1.363	1.349	2.64

(#) = Out of Range

8270C.M Wed Jun 16 09:17:29 2004 MSBNA01

Initial Calibration Verification

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICV1064
Lab FileID: W020226.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\060904\W020226.D
Acq On : 9 Jun 2004 5:35 pm
Sample : icv1064-50
Misc : op10551,sw1064,30.8,,,1,1,soil
MS Integration Params: LSCINT.P

Vial: 8
Operator: marke
Inst : MSBNA01
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	97	0.00	5.26
2		1,4-Dioxane	50.000	49.238	1.5	0	0.04	2.05
3		N-nitrosodimethylamine	50.000	53.625	-7.2	0	0.02	2.67
4		Pyridine	50.000	43.801	12.4	0	0.02	2.64
5		Benzaldehyde		----------NA----------				
6		Aniline	50.000	14.816	70.4#	0	0.00	5.01
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	50.381	-0.8	0	0.00	5.06
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	48.847	2.3	0	0.00	5.00
11		2-Chlorophenol	50.000	49.417	1.2	0	0.00	5.10
12		1,3-Dichlorobenzene	50.000	47.905	4.2	0	0.00	5.23
13	C	1,4-Dichlorobenzene	50.000	48.597	2.8	0	0.00	5.27
14		1,2-Dichlorobenzene	50.000	48.832	2.3	0	0.00	5.44
15		Benzyl alcohol	50.000	48.110	3.8	0	0.00	5.40
16		bis(2-chloroisopropyl)eth	50.000	51.591	-3.2	0	0.00	5.53
17		2-Methylphenol	50.000	48.684	2.6	0	0.00	5.51
18		Acetophenone	50.000	49.771	0.5	0	0.00	5.64
19		Hexachloroethane	50.000	48.251	3.5	0	0.00	5.72
20	P	N-Nitroso-di-n-propylamin	50.000	50.579	-1.2	0	0.00	5.67
21		3&4-Methylphenol	100.000	95.227	4.8	0	0.00	5.64
22	I	Naphthalene-d8	40.000	40.000	0.0	100	0.00	6.50
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	48.217	3.6	0	0.00	5.80
25		Isophorone	50.000	51.805	-3.6	0	0.00	6.03
26	C	2-Nitrophenol	50.000	50.604	-1.2	0	0.00	6.11
27		2,4-Dimethylphenol	50.000	49.532	0.9	0	0.00	6.14
28		bis(2-Chloroethoxy)methan	50.000	46.172	7.7	0	0.00	6.25
29		Benzoic Acid	100.000	97.055	2.9	0	0.00	6.31
30	C	2,4-Dichlorophenol	50.000	49.894	0.2	0	0.00	6.35
31		1,2,4-Trichlorobenzene	50.000	48.842	2.3	0	0.00	6.45
32		Naphthalene	50.000	49.682	0.6	0	0.00	6.52
33		4-Chloroaniline	50.000	27.439	45.1#	0	0.00	6.59
34		2,6-Dichlorophenol	50.000	45.526	8.9	0	0.00	6.60
35	C	Hexachlorobutadiene	50.000	47.945	4.1	0	0.00	6.72
36		Caprolactam	50.000	51.681	-3.4	0	-0.02	6.99
37	C	4-Chloro-3-methylphenol	50.000	49.555	0.9	0	0.00	7.15
38		2-Methylnaphthalene	50.000	49.288	1.4	0	0.00	7.34
39		1-Methylnaphthalene	50.000	51.697	-3.4	0	0.00	7.48
40		1,2,4,5-Tetrachlorobenzen	50.000	47.621	4.8	0	0.00	7.61

ACCUTEST Laboratories

Initial Calibration Verification

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICV1064
Lab FileID: W020226.D

41	I	Acenaphthene-d10	40.000	40.000	0.0	100	0.00	8.85
42	P	Hexachlorocyclopentadiene	50.000	43.010	14.0	0	0.00	7.63
43	C	2,4,6-Trichlorophenol	50.000	48.187	3.6	0	0.00	7.74
44		2,4,5-Trichlorophenol	50.000	48.693	2.6	0	0.00	7.79
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	48.505	3.0	0	0.00	7.98
47		2-Chloronaphthalene	50.000	48.728	2.5	0	0.00	7.99
48		2-Nitroaniline	50.000	51.019	-2.0	0	0.00	8.18
49		Acenaphthylene	50.000	49.111	1.8	0	0.00	8.61
50		Dimethylphthalate	50.000	51.839	-3.7	0	-0.01	8.53
51		2,6-Dinitrotoluene	50.000	49.594	0.8	0	0.00	8.62
52	C	Acenaphthene	50.000	51.318	-2.6	0	0.00	8.90
53		3-Nitroaniline	50.000	30.627	38.7#	0	-0.01	8.82
		----------	Amount	Calc.	%Drift	----------		
54	P	2,4-Dinitrophenol	100.000	101.394	-1.4	0	0.00	8.99
		----------	Amount	Calc.	%Drift	----------		
55		Dibenzofuran	50.000	48.679	2.6	0	0.00	9.15
56		2,4-Dinitrotoluene	50.000	50.492	-1.0	0	0.00	9.24
57	P	4-Nitrophenol	100.000	99.419	0.6	0	0.00	9.10
58		2,3,4,6-Tetrachlorophenol	50.000	46.258	7.5	0	0.00	9.42
59		Fluorene	50.000	53.980	-8.0	0	0.00	9.72
60		4-Chlorophenyl-phenylethe	50.000	50.524	-1.0	0	0.00	9.74
61		Diethylphthalate	50.000	51.529	-3.1	0	0.00	9.69
62		4-Nitroaniline	50.000	47.807	4.4	0	-0.01	9.84
63	I	Phenanthrene-d10	40.000	40.000	0.0	105	0.00	11.32
		----------	Amount	Calc.	%Drift	----------		
64		4,6-Dinitro-2-methylpheno	100.000	102.360	-2.4	0	0.00	9.91
		----------	Amount	Calc.	%Drift	----------		
65	C	n-Nitrosodiphenylamine	50.000	49.948	0.1	0	0.00	9.96
66		1,2-Diphenylhydrazine	50.000	49.789	0.4	0	0.00	10.01
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	49.186	1.6	0	0.00	10.57
69		Hexachlorobenzene	50.000	48.264	3.5	0	0.00	10.80
70		Atrazine	50.000	19.819	60.4#	0	0.00	10.98
71	C	Pentachlorophenol	100.000	103.129	-3.1	0	0.00	11.12
72		Phenanthrene	50.000	51.439	-2.9	0	0.00	11.36
73		Anthracene	50.000	50.558	-1.1	0	0.00	11.44
74		Carbazole	50.000	49.856	0.3	0	0.00	11.76
75		Di-n-butylphthalate	50.000	49.272	1.5	0	0.00	12.62
76	C	Fluoranthene	50.000	49.440	1.1	0	0.00	13.54
77	I	Chrysene-d12	40.000	40.000	0.0	112	0.00	16.25
78		Benzidine		----------NA----------				
79		Pyrene	50.000	49.826	0.3	0	0.00	13.94
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	49.375	1.3	0	0.00	15.42
82		3,3'-Dichlorobenzidine	50.000	34.432	31.1#	0	0.00	16.26
83		Benzo[a]anthracene	50.000	50.760	-1.5	0	0.00	16.21
84		Chrysene	50.000	51.961	-3.9	0	0.00	16.29
85		bis(2-Ethylhexyl)phthalat	50.000	50.013	-0.0	0	0.00	16.62
86	I	Perylene-d12	40.000	40.000	0.0	110	0.00	18.75
87	C	Di-n-octylphthalate	50.000	55.913	-11.8	0	0.00	17.73
88		Benzo[b]fluoranthene	50.000	51.225	-2.5	0	0.00	18.14
89		Benzo[k]fluoranthene	50.000	52.189	-4.4	0	0.00	18.19

ACCUTEST Laboratories

Initial Calibration Verification

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICV1064
Lab FileID: W020226.D

90	C	Benzo[a]pyrene	50.000	52.840	-5.7	0	0.00	18.66
91		Indeno[1,2,3-cd]pyrene	50.000	49.419	1.2	0	0.00	20.34
92		Dibenz[a,h]anthracene	50.000	50.780	-1.6	0	0.00	20.39
93		Benzo[g,h,i]perylene	50.000	51.023	-2.0	0	0.00	20.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W020226.D 8270C.M Wed Jun 16 09:17:43 2004 MSBNA01

5.7 C

ACCUTEST Laboratories

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SW1067-DFTPP	Injection Date:	06/15/04
Lab File ID:	W020288.D	Injection Time:	08:19
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	38731	51.4		Pass
68	Less than 2.0% of mass 69	129	0.17	(0.39) [a]	Pass
69	Mass 69 relative abundance	33229	44.1		Pass
70	Less than 2.0% of mass 69	97	0.13	(0.29) [a]	Pass
127	40.0 - 60.0% of mass 198	40733	54.1		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	75341	100.0		Pass
199	5.0 - 9.0% of mass 198	5106	6.8		Pass
275	10.0 - 30.0% of mass 198	12978	17.2		Pass
365	1.0 - 100.0% of mass 198	1322	1.8		Pass
441	Present, but less than mass 443	5538	7.4	(74.2) [b]	Pass
442	40.0 - 100.0% of mass 198	38854	51.6		Pass
443	17.0 - 23.0% of mass 442	7467	9.9	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1067-CC1064	W020289.D	06/15/04	08:38	00:19	Continuing cal 50
OP10656-MB	W020290.D	06/15/04	09:07	00:48	Method Blank
F24649-17	W020291.D	06/15/04	09:37	01:18	C03D-02C-12-0604
F24649-18	W020292.D	06/15/04	10:06	01:47	C03D-02C-24-0604
F24649-19	W020293.D	06/15/04	10:36	02:17	C03D-03C-06-0604
OP10648-MB	W020294.D	06/15/04	11:06	02:47	Method Blank
ZZZZZZ	W020295.D	06/15/04	11:35	03:16	(unrelated sample)
OP10654-BS	W020296.D	06/15/04	12:05	03:46	Blank Spike
OP10654-MB	W020297.D	06/15/04	12:35	04:16	Method Blank
ZZZZZZ	W020298.D	06/15/04	13:05	04:46	(unrelated sample)
ZZZZZZ	W020299.D	06/15/04	13:36	05:17	(unrelated sample)
ZZZZZZ	W020300.D	06/15/04	14:06	05:47	(unrelated sample)
F24596-4	W020301.D	06/15/04	14:36	06:17	(used for QC only; not part of job F24649)
OP10654-MS	W020302.D	06/15/04	15:07	06:48	Matrix Spike
OP10654-MSD	W020303.D	06/15/04	15:37	07:18	Matrix Spike Duplicate
ZZZZZZ	W020304.D	06/15/04	16:08	07:49	(unrelated sample)
ZZZZZZ	W020305.D	06/15/04	16:38	08:19	(unrelated sample)
ZZZZZZ	W020306.D	06/15/04	17:07	08:48	(unrelated sample)
ZZZZZZ	W020307.D	06/15/04	17:37	09:18	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SW1067-DFTPP	Injection Date:	06/15/04
Lab File ID:	W020288.D	Injection Time:	08:19
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W020308.D	06/15/04	18:07	09:48	(unrelated sample)
ZZZZZZ	W020309.D	06/15/04	18:37	10:18	(unrelated sample)
ZZZZZZ	W020310.D	06/15/04	19:07	10:48	(unrelated sample)
ZZZZZZ	W020311.D	06/15/04	19:37	11:18	(unrelated sample)
ZZZZZZ	W020312.D	06/15/04	20:06	11:47	(unrelated sample)
OP10675-BS	W020316.D	06/15/04	22:05	13:46	Blank Spike
OP10675-MB	W020317.D	06/15/04	22:35	14:16	Method Blank
ZZZZZZ	W020318.D	06/15/04	23:05	14:46	(unrelated sample)
ZZZZZZ	W020319.D	06/15/04	23:34	15:15	(unrelated sample)
ZZZZZZ	W020320.D	06/16/04	00:04	15:45	(unrelated sample)
ZZZZZZ	W020321.D	06/16/04	00:33	16:14	(unrelated sample)
ZZZZZZ	W020322.D	06/16/04	01:03	16:44	(unrelated sample)
ZZZZZZ	W020323.D	06/16/04	01:32	17:13	(unrelated sample)
ZZZZZZ	W020324.D	06/16/04	02:02	17:43	(unrelated sample)
ZZZZZZ	W020325.D	06/16/04	02:31	18:12	(unrelated sample)
ZZZZZZ	W020326.D	06/16/04	03:00	18:41	(unrelated sample)
F24764-8	W020327.D	06/16/04	03:30	19:11	(used for QC only; not part of job F24649)
OP10675-MS	W020328.D	06/16/04	03:59	19:40	Matrix Spike
OP10675-MSD	W020329.D	06/16/04	04:28	20:09	Matrix Spike Duplicate
ZZZZZZ	W020330.D	06/16/04	04:57	20:38	(unrelated sample)
ZZZZZZ	W020331.D	06/16/04	05:27	21:08	(unrelated sample)
ZZZZZZ	W020332.D	06/16/04	05:56	21:37	(unrelated sample)
ZZZZZZ	W020333.D	06/16/04	06:25	22:06	(unrelated sample)
ZZZZZZ	W020334.D	06/16/04	06:55	22:36	(unrelated sample)

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1067-CC1064
Lab FileID: W020289.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\061504\W020289.D
Acq On : 15 Jun 2004 8:38 am
Sample : cc1064-50
Misc : op10648,sw1067,990,,,1,1,water
MS Integration Params: LSCINT.P

Vial: 2
Operator: marke
Inst : MSBNA01
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00	5.25
2		1,4-Dioxane	0.584	0.600	-2.7	119	-0.04	1.97
3		N-nitrosodimethylamine	0.667	0.664	0.4	114	-0.03	2.62
4		Pyridine	1.485	1.496	-0.7	117	-0.03	2.60
5		Benzaldehyde	1.026	1.007	1.9	106	0.00	4.88
6		Aniline	2.193	2.201	-0.4	115	-0.01	5.00
7	S	2-Fluorophenol	1.354	1.373	-1.4	116	0.00	4.18
8		bis(2-Chloroethyl)ether	1.366	1.372	-0.4	121	-0.01	5.06
9	S	Phenol-d5	1.681	1.692	-0.7	115	0.00	4.99
10	C	Phenol	1.883	1.896	-0.7	114	0.00	5.00
11		2-Chlorophenol	1.516	1.517	-0.1	115	0.00	5.10
12		1,3-Dichlorobenzene	1.585	1.598	-0.8	118	0.00	5.22
13	C	1,4-Dichlorobenzene	1.619	1.641	-1.4	116	0.00	5.27
14		1,2-Dichlorobenzene	1.493	1.501	-0.5	115	0.00	5.43
15		Benzyl alcohol	0.988	0.915	7.4	107	0.00	5.39
16		bis(2-chloroisopropyl)eth	2.686	2.737	-1.9	115	0.00	5.53
17		2-Methylphenol	1.342	1.326	1.2	114	0.00	5.50
18		Acetophenone	1.901	1.942	-2.2	113	0.00	5.64
19		Hexachloroethane	0.630	0.646	-2.5	118	0.00	5.71
20	P	N-Nitroso-di-n-propylamin	0.960	0.938	2.3	113	-0.02	5.66
21		3&4-Methylphenol	1.391	1.376	1.1	112	-0.01	5.64
22	I	Naphthalene-d8	1.000	1.000	0.0	113	-0.01	6.48
23	S	Nitrobenzene-d5	0.362	0.364	-0.6	112	-0.01	5.78
24		Nitrobenzene	0.357	0.356	0.3	112	0.00	5.80
25		Isophorone	0.624	0.614	1.6	109	-0.02	6.03
26	C	2-Nitrophenol	0.192	0.194	-1.0	113	-0.01	6.11
27		2,4-Dimethylphenol	0.355	0.350	1.4	110	0.00	6.14
28		bis(2-Chloroethoxy)methan	0.404	0.403	0.2	111	-0.01	6.24
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	50.000	46.099	7.8	106	-0.04	6.27
		----------	AvgRF	CCRF	%Dev		----------	
30	C	2,4-Dichlorophenol	0.267	0.267	0.0	111	0.00	6.35
31		1,2,4-Trichlorobenzene	0.296	0.297	-0.3	113	-0.01	6.44
32		Naphthalene	1.034	1.025	0.9	111	0.00	6.51
33		4-Chloroaniline	0.421	0.412	2.1	110	-0.01	6.59
34		2,6-Dichlorophenol	0.264	0.263	0.4	110	0.00	6.60
35	C	Hexachlorobutadiene	0.147	0.148	-0.7	114	-0.01	6.70
36		Caprolactam	0.097	0.096	1.0	105	-0.03	6.99
37	C	4-Chloro-3-methylphenol	0.288	0.275	4.5	107	0.00	7.15

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1067-CC1064
Lab FileID: W020289.D

38		2-Methylnaphthalene	0.627	0.622	0.8	113	0.00	7.33
39		1-Methylnaphthalene	0.608	0.611	-0.5	113	-0.01	7.47
40		1,2,4,5-Tetrachlorobenzen	0.254	0.245	3.5	109	-0.01	7.60
41	I	Acenaphthene-d10	1.000	1.000	0.0	108	0.00	8.85
42	P	Hexachlorocyclopentadiene	0.412	0.421	-2.2	110	0.00	7.63
43	C	2,4,6-Trichlorophenol	0.413	0.419	-1.5	111	0.00	7.73
44		2,4,5-Trichlorophenol	0.437	0.437	0.0	108	-0.01	7.78
45	S	2-Fluorobiphenyl	1.426	1.445	-1.3	110	-0.01	7.85
46		1,1'-Biphenyl	1.695	1.755	-3.5	110	-0.01	7.97
47		2-Chloronaphthalene	1.289	1.288	0.1	108	-0.01	7.99
48		2-Nitroaniline	0.411	0.399	2.9	102	0.00	8.18
49		Acenaphthylene	2.085	2.076	0.4	107	-0.01	8.61
50		Dimethylphthalate	1.305	1.291	1.1	107	-0.02	8.52
51		2,6-Dinitrotoluene	0.308	0.305	1.0	107	-0.01	8.62
52	C	Acenaphthene	1.273	1.239	2.7	105	-0.01	8.89
53		3-Nitroaniline	0.386	0.369	4.4	100	-0.01	8.82
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	50.000	48.153	3.7	101	-0.02	8.97
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.657	1.644	0.8	107	-0.01	9.14
56		2,4-Dinitrotoluene	0.407	0.390	4.2	102	-0.02	9.23
57	P	4-Nitrophenol	0.201	0.177	11.9	92	-0.01	9.09
58		2,3,4,6-Tetrachlorophenol	0.317	0.313	1.3	104	-0.01	9.42
59		Fluorene	1.298	1.273	1.9	106	-0.02	9.71
60		4-Chlorophenyl-phenylethe	0.609	0.609	0.0	108	-0.01	9.73
61		Diethylphthalate	1.356	1.287	5.1	101	-0.02	9.67
62		4-Nitroaniline	0.368	0.345	6.3	99	-0.02	9.83
63	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00	11.31
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	50.000	52.094	-4.2	103	-0.02	9.90
		----------	AvgRF	CCRF	%Dev		----------	
65	C	n-Nitrosodiphenylamine	0.603	0.628	-4.1	104	-0.01	9.95
66		1,2-Diphenylhydrazine	0.923	0.970	-5.1	107	-0.01	9.99
67	S	2,4,6-Tribromophenol	0.082	0.086	-4.9	105	-0.02	10.15
68		4-Bromophenyl-phenylether	0.191	0.203	-6.3	106	-0.01	10.56
69		Hexachlorobenzene	0.177	0.187	-5.6	105	-0.01	10.78
70		Atrazine	0.200	0.209	-4.5	100	-0.01	10.98
71	C	Pentachlorophenol	0.120	0.123	-2.5	100	0.00	11.11
72		Phenanthrene	1.200	1.222	-1.8	100	-0.01	11.36
73		Anthracene	1.233	1.252	-1.5	100	-0.02	11.43
74		Carbazole	1.036	1.012	2.3	97	0.00	11.76
75		Di-n-butylphthalate	1.384	1.356	2.0	96	-0.01	12.61
76	C	Fluoranthene	1.050	1.017	3.1	95	-0.01	13.53
77	I	Chrysene-d12	1.000	1.000	0.0	87	0.00	16.24
78		Benzidine	1.034	1.032	0.2	84	-0.01	13.86
79		Pyrene	1.637	1.770	-8.1	95	-0.01	13.93
80	S	Terphenyl-d14	0.886	0.952	-7.4	94	-0.01	14.34
81		Butylbenzylphthalate	0.814	0.838	-2.9	87	0.00	15.41
82		3,3'-Dichlorobenzidine	0.429	0.426	0.7	85	-0.01	16.26
83		Benzo[a]anthracene	1.274	1.273	0.1	86	-0.01	16.21
84		Chrysene	1.193	1.195	-0.2	87	-0.01	16.29
85		bis(2-Ethylhexyl)phthalat	1.087	1.072	1.4	86	0.00	16.61

Continuing Calibration Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1067-CC1064
Lab FileID: W020289.D

86	I	Perylene-d12	1.000	1.000	0.0	79	0.00	18.74
87	C	Di-n-octylphthalate	2.831	2.967	-4.8	81	0.00	17.72
88		Benzo[b]fluoranthene	1.789	1.873	-4.7	83	-0.01	18.14
89		Benzo[k]fluoranthene	1.713	1.792	-4.6	81	-0.01	18.18
90	C	Benzo[a]pyrene	1.603	1.639	-2.2	80	-0.01	18.65
91		Indeno[1,2,3-cd]pyrene	1.262	1.163	7.8	73	-0.01	20.34
92		Dibenz[a,h]anthracene	1.202	1.174	2.3	77	-0.01	20.38
93		Benzo[g,h,i]perylene	1.349	1.293	4.2	77	-0.02	20.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W020222.D 8270C.M Wed Jun 16 10:00:11 2004 MSBNA01

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**JUNE 24, 2004**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS + TIN**
NAS KEY WEST – CTO 349
SAMPLE DELIVERY GROUP (SDG) – F24649

SAMPLES: 40/SOIL/

C03D-01C-06-0604	C03D-01C-12-0604	C03D-01C-24-0604
C03D-02C-06-0604	C03D-02C-12-0604	C03D-02C-24-0604
C03D-03C-06-0604	C03D-03C-12-0604	C03D-03C-24-0604
C03D-04C-06-0604	C03D-04C-12-0604	C03D-04C-24-0604
C03D-08C-06-0604	C03D-08C-12-0604	C03D-08C-24-0604
C03D-12C-06-0604	C03D-12C-12-0604	C03D-12C-24-0604
C03D-13C-06-0604	C03D-13C-12-0604	C03D-13C-24-0604
C03D-14C-06-0604	C03D-14C-12-0604	C03D-14C-24-0604
C03D-15C-06-0604	C03D-15C-12-0604	C03D-15C-24-0604
C03D-16C-06-0604	C03D-16C-12-0604	C03D-16C-24-0604
C03D-5C-06-0604	C03D-5C-12-0604	C03D-5C-24-0604
C03D-9C-06-0604	C03D-9C-12-0604	C03D-9C-24-0604
KW-DUP-01-0604	KW-DUP-02-0604	KW-DUP-03-0604
KW-DUP-04-0604		

Overview

The sample set for NAS Key West, CTO 349, SDG F24649, consists of forty (40) soil environmental samples. Four (4) field duplicate pairs (KW-DUP-01-0604 / C03D-01C-06-0604; KW-DUP-02-0604 / C03D-01C-12-0604; KW-DUP-03-0604 / C03D-01C-24-0604; KW-DUP-04-0604 / C03D-15C-12-0604) were included in this SDG.

All samples were analyzed for target analyte list (TAL) metals plus tin. The samples were collected by Tetra Tech NUS on June 5-7, 2004 and analyzed by Accutest Laboratories Southeast, Inc. Metals analyses except mercury were conducted using SW846 method 6010B. Mercury analyses were conducted using SW846 method 7471A.

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

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
• Laboratory Blank Analyses
• Field Duplicate Results

* • Detection Limits

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	33.7 ug/L	16.9 mg/kg
Calcium	55.9 ug/L	28.0 mg/kg
Iron	36.7 ug/L	18.4 mg/kg
Lead	1.9 ug/L	0.95 mg/kg
Selenium	4.0 ug/L	2.0 mg/kg
Silver	0.89 ug/L	0.45 mg/kg
Thallium	5.9 ug/L	3.0 mg/kg
Tin	6.0 ug/L	3.0 mg/kg

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

Field Duplicate Results

Field duplicate imprecision (Difference >4X the CRDL) was noted for zinc for field duplicate pair KW-DUP-03-0604 / C03D-01C-24-0604. Positive results reported for zinc were qualified as estimated (J) for this field duplicate pair only.

Notes

Dilutions were performed for calcium in all samples due to the concentrations of calcium above the linear range of the instrument.

Executive Summary

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

Other Factors Affecting Data Quality: Zinc was qualified due to field duplicate imprecision.

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: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-01C-06-0604
samp_date	6/6/2004
lab_id	F24649-10
qc_type	NM
units	MG/KG
Pct_Solids	97.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	588		
ANTIMONY	0.15	U	
ARSENIC	1.3		
BARIUM	6.7		
BERYLLIUM	0.057		
CADMIUM	0.03	U	
CALCIUM	231000		
CHROMIUM	5.9		
COBALT	0.14		
COPPER	1.7		
IRON	519		
LEAD	10.6		
MAGNESIUM	1580		
MANGANESE	22.3		
MERCURY	0.016		
NICKEL	1.9		
POTASSIUM	109		
SELENIUM	20	U	
SILVER	0.061	U	
SODIUM	264		
THALLIUM	0.15	U	
TIN	2.9	U	A
VANADIUM	4.7		
ZINC	3.5		

nsample	C03D-01C-12-0604
samp_date	6/6/2004
lab_id	F24649-11
qc_type	NM
units	MG/KG
Pct_Solids	95.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	556		
ANTIMONY	0.16	U	
ARSENIC	1.5		
BARIUM	6.4		
BERYLLIUM	0.041		
CADMIUM	0.3		
CALCIUM	242000		
CHROMIUM	5.2		
COBALT	0.16		
COPPER	0.57		
IRON	485		
LEAD	0.74	U	A
MAGNESIUM	1580		
MANGANESE	21.8		
MERCURY	0.013		
NICKEL	0.86		
POTASSIUM	106		
SELENIUM	21	U	
SILVER	0.094	U	A
SODIUM	248		
THALLIUM	0.16	U	
TIN	2.9	U	A
VANADIUM	4.7		
ZINC	0.95		

nsample	C03D-01C-24-0604
samp_date	6/6/2004
lab_id	F24649-12
qc_type	NM
units	MG/KG
Pct_Solids	95.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	579		
ANTIMONY	0.16	U	
ARSENIC	1.1		
BARIUM	6.3		
BERYLLIUM	0.049		
CADMIUM	0.031	U	
CALCIUM	231000		
CHROMIUM	5		
COBALT	0.15		
COPPER	1.9		
IRON	540		
LEAD	26.8		
MAGNESIUM	1490		
MANGANESE	21.4		
MERCURY	0.012		
NICKEL	0.94		
POTASSIUM	112		
SELENIUM	21	U	
SILVER	0.12	U	A
SODIUM	275		
THALLIUM	0.16	U	
TIN	2.8	U	A
VANADIUM	4.9		
ZINC	7.1	J	G

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-02C-06-0604
samp_date	6/6/2004
lab_id	F24649-16
qc_type	NM
units	MG/KG
Pct_Solids	95.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	555		
ANTIMONY	0.16	U	
ARSENIC	1.1		
BARIUM	7.2		
BERYLLIUM	0.045		
CADMIUM	0.032	U	
CALCIUM	255000		
CHROMIUM	5.1		
COBALT	0.14		
COPPER	3		
IRON	530		
LEAD	101		
MAGNESIUM	1400		
MANGANESE	19.5		
MERCURY	0.039		
NICKEL	0.86		
POTASSIUM	105		
SELENIUM	21	U	
SILVER	0.064	U	
SODIUM	315		
THALLIUM	0.16	U	
TIN	3	U	A
VANADIUM	4.8		
ZINC	7.3		

nsample	C03D-02C-12-0604
samp_date	6/6/2004
lab_id	F24649-17
qc_type	NM
units	MG/KG
Pct_Solids	95.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	595		
ANTIMONY	0.16	U	
ARSENIC	1.4		
BARIUM	6.2		
BERYLLIUM	0.063		
CADMIUM	0.032	U	
CALCIUM	239000		
CHROMIUM	5		
COBALT	0.12		
COPPER	0.55		
IRON	496		
LEAD	0.82	U	A
MAGNESIUM	1520		
MANGANESE	21.5		
MERCURY	0.0084		
NICKEL	0.9		
POTASSIUM	118		
SELENIUM	21	U	
SILVER	0.064	U	
SODIUM	255		
THALLIUM	0.16	U	
TIN	2.9	U	A
VANADIUM	5.3		
ZINC	0.74		

nsample	C03D-02C-24-0604
samp_date	6/6/2004
lab_id	F24649-18
qc_type	NM
units	MG/KG
Pct_Solids	94.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	537		
ANTIMONY	0.16	U	
ARSENIC	1.4		
BARIUM	5.9		
BERYLLIUM	0.067		
CADMIUM	0.031	U	
CALCIUM	222000		
CHROMIUM	4.8		
COBALT	0.1		
COPPER	0.98		
IRON	439		
LEAD	2.9		
MAGNESIUM	1400		
MANGANESE	19.8		
MERCURY	0.015		
NICKEL	0.9		
POTASSIUM	106		
SELENIUM	21	U	
SILVER	0.062	U	
SODIUM	280		
THALLIUM	0.16	U	
TIN	2.8	U	A
VANADIUM	4.8		
ZINC	1.4		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-03C-06-0604
samp_date	6/6/2004
lab_id	F24649-19
qc_type	NM
units	MG/KG
Pct_Solids	97.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	561		
ANTIMONY	0.15	U	
ARSENIC	0.94		
BARIUM	6.2		
BERYLLIUM	0.063		
CADMIUM	0.031	U	
CALCIUM	228000		
CHROMIUM	4.6		
COBALT	0.07		
COPPER	2.1		
IRON	485		
LEAD	1.6		
MAGNESIUM	1560		
MANGANESE	21.6		
MERCURY	0.0097		
NICKEL	0.91		
POTASSIUM	114		
SELENIUM	20	U	
SILVER	0.061	U	
SODIUM	231		
THALLIUM	0.15	U	
TIN	3	U	A
VANADIUM	4.9		
ZINC	1.4		

nsample	C03D-03C-12-0604
samp_date	6/6/2004
lab_id	F24649-20
qc_type	NM
units	MG/KG
Pct_Solids	97.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	667		
ANTIMONY	0.15	U	
ARSENIC	1.5		
BARIUM	6.2		
BERYLLIUM	0.07		
CADMIUM	0.031	U	
CALCIUM	233000		
CHROMIUM	5.3		
COBALT	0.2		
COPPER	0.64		
IRON	516		
LEAD	1		
MAGNESIUM	1570		
MANGANESE	21		
MERCURY	0.0062		
NICKEL	0.92		
POTASSIUM	110		
SELENIUM	21	U	
SILVER	0.062	U	
SODIUM	243		
THALLIUM	0.45	U	A
TIN	3	U	A
VANADIUM	5.2		
ZINC	1.1		

nsample	C03D-03C-24-0604
samp_date	6/6/2004
lab_id	F24649-21
qc_type	NM
units	MG/KG
Pct_Solids	96.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	698		
ANTIMONY	0.15	U	
ARSENIC	1.2		
BARIUM	6		
BERYLLIUM	0.095		
CADMIUM	0.03	U	
CALCIUM	218000		
CHROMIUM	5.8		
COBALT	0.2		
COPPER	0.58		
IRON	510		
LEAD	0.66	U	A
MAGNESIUM	1520		
MANGANESE	20.9		
MERCURY	0.0019	U	
NICKEL	0.96		
POTASSIUM	119		
SELENIUM	20	U	
SILVER	0.061	U	
SODIUM	255		
THALLIUM	0.15	U	
TIN	2.8	U	A
VANADIUM	5.4		
ZINC	0.78		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-04C-06-0604
samp_date	6/6/2004
lab_id	F24649-22
qc_type	NM
units	MG/KG
Pct_Solids	97.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	595		
ANTIMONY	0.16	U	
ARSENIC	1		
BARIUM	6.7		
BERYLLIUM	0.068		
CADMIUM	0.031	U	
CALCIUM	236000		
CHROMIUM	4.6		
COBALT	0.15		
COPPER	1.7		
IRON	572		
LEAD	6.1		
MAGNESIUM	1620		
MANGANESE	22.1		
MERCURY	0.0041		
NICKEL	0.92		
POTASSIUM	107		
SELENIUM	21	U	
SILVER	0.063	U	
SODIUM	217		
THALLIUM	0.16	U	
TIN	3	U	A
VANADIUM	4.8		
ZINC	5		

nsample	C03D-04C-12-0604
samp_date	6/6/2004
lab_id	F24649-23
qc_type	NM
units	MG/KG
Pct_Solids	95.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	665		
ANTIMONY	0.16	U	
ARSENIC	1.7		
BARIUM	6.3		
BERYLLIUM	0.069		
CADMIUM	0.032	U	
CALCIUM	242000		
CHROMIUM	4.7		
COBALT	0.22		
COPPER	0.55		
IRON	536		
LEAD	0.61	U	A
MAGNESIUM	1760		
MANGANESE	23.2		
MERCURY	0.0019	U	
NICKEL	1		
POTASSIUM	114		
SELENIUM	21	U	
SILVER	0.064	U	
SODIUM	222		
THALLIUM	0.16	U	
TIN	3.1	U	A
VANADIUM	5.2		
ZINC	0.79		

nsample	C03D-04C-24-0604
samp_date	6/6/2004
lab_id	F24649-24
qc_type	NM
units	MG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	678		
ANTIMONY	0.15	U	
ARSENIC	1.2		
BARIUM	6		
BERYLLIUM	0.082		
CADMIUM	0.03	U	
CALCIUM	227000		
CHROMIUM	4.8		
COBALT	0.14		
COPPER	0.48		
IRON	512		
LEAD	0.73	U	A
MAGNESIUM	1610		
MANGANESE	21.8		
MERCURY	0.0031		
NICKEL	0.87		
POTASSIUM	113		
SELENIUM	20	U	
SILVER	0.06	U	
SODIUM	211		
THALLIUM	0.15	U	
TIN	2.9	U	A
VANADIUM	5.2		
ZINC	0.67		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-08C-06-0604
samp_date	6/7/2004
lab_id	F24649-31
qc_type	NM
units	MG/KG
Pct_Solids	98.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	651		
ANTIMONY	0.15	U	
ARSENIC	1.4		
BARIUM	6.7		
BERYLLIUM	0.095		
CADMIUM	0.03	U	
CALCIUM	238000		
CHROMIUM	5.1		
COBALT	0.16		
COPPER	1.4		
IRON	578		
LEAD	9.2		
MAGNESIUM	1650		
MANGANESE	22.5		
MERCURY	0.0061		
NICKEL	1		
POTASSIUM	121		
SELENIUM	20	U	
SILVER	0.06	U	
SODIUM	232		
THALLIUM	0.15	U	
TIN	2.8	U	A
VANADIUM	5.2		
ZINC	5.1		

nsample	C03D-08C-12-0604
samp_date	6/7/2004
lab_id	F24649-32
qc_type	NM
units	MG/KG
Pct_Solids	96.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	503		
ANTIMONY	0.16	U	
ARSENIC	1.1		
BARIUM	5.9		
BERYLLIUM	0.032	U	
CADMIUM	0.032	U	
CALCIUM	236000		
CHROMIUM	4.1		
COBALT	0.092		
COPPER	0.49		
IRON	440		
LEAD	1.4		
MAGNESIUM	1520		
MANGANESE	21.1		
MERCURY	0.0059		
NICKEL	0.76		
POTASSIUM	95.2		
SELENIUM	21	U	
SILVER	0.063	U	
SODIUM	203		
THALLIUM	0.16	U	
TIN	3.4		
VANADIUM	4.5		
ZINC	0.82		

nsample	C03D-08C-24-0604
samp_date	6/7/2004
lab_id	F24649-33
qc_type	NM
units	MG/KG
Pct_Solids	93.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	481		
ANTIMONY	0.15	U	
ARSENIC	2		
BARIUM	187		
BERYLLIUM	0.031	U	
CADMIUM	0.067		
CALCIUM	259000		
CHROMIUM	4.5		
COBALT	0.051	U	
COPPER	10.8		
IRON	544		
LEAD	33.5		
MAGNESIUM	2590		
MANGANESE	19.2		
MERCURY	0.046		
NICKEL	1.1		
POTASSIUM	82.3		
SELENIUM	21	U	
SILVER	0.062	U	
SODIUM	670		
THALLIUM	0.15	U	
TIN	3.9		
VANADIUM	3.8		
ZINC	49.9		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-12C-06-0604
samp_date	6/7/2004
lab_id	F24649-28
qc_type	NM
units	MG/KG
Pct_Solids	98.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	652		
ANTIMONY	0.15	U	
ARSENIC	1.4		
BARIUM	5.9		
BERYLLIUM	0.086		
CADMIUM	0.031	U	
CALCIUM	230000		
CHROMIUM	4.8		
COBALT	0.13		
COPPER	0.48		
IRON	505		
LEAD	1.6		
MAGNESIUM	1590		
MANGANESE	21.6		
MERCURY	0.0019	U	
NICKEL	0.84		
POTASSIUM	111		
SELENIUM	20	U	
SILVER	0.061	U	
SODIUM	216		
THALLIUM	0.15	U	
TIN	2.8	U	A
VANADIUM	5.2		
ZINC	0.83		

nsample	C03D-12C-12-0604
samp_date	6/7/2004
lab_id	F24649-29
qc_type	NM
units	MG/KG
Pct_Solids	95.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	653		
ANTIMONY	0.15	U	
ARSENIC	1.4		
BARIUM	6.9		
BERYLLIUM	0.086		
CADMIUM	0.031	U	
CALCIUM	241000		
CHROMIUM	4.9		
COBALT	0.13		
COPPER	1.1		
IRON	518		
LEAD	3.9		
MAGNESIUM	1860		
MANGANESE	21.7		
MERCURY	0.0048		
NICKEL	0.92		
POTASSIUM	114		
SELENIUM	21	U	
SILVER	0.062	U	
SODIUM	352		
THALLIUM	0.15	U	
TIN	3	U	A
VANADIUM	5.3		
ZINC	2.5		

nsample	C03D-12C-24-0604
samp_date	6/7/2004
lab_id	F24649-30
qc_type	NM
units	MG/KG
Pct_Solids	86.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	326		
ANTIMONY	0.17	U	
ARSENIC	2.3		
BARIUM	28.9		
BERYLLIUM	0.035	U	
CADMIUM	0.035	U	
CALCIUM	385000		
CHROMIUM	3.1		
COBALT	0.11		
COPPER	4.3		
IRON	267		
LEAD	14.3		
MAGNESIUM	1170		
MANGANESE	15.5		
MERCURY	0.04		
NICKEL	0.55		
POTASSIUM	53.5		
SELENIUM	23	U	
SILVER	0.07	U	
SODIUM	1520		
THALLIUM	0.17	U	
TIN	4.6		
VANADIUM	1		
ZINC	10.1		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-13C-06-0604
samp_date	6/5/2004
lab_id	F24649-1
qc_type	NM
units	MG/KG
Pct_Solids	94.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	192		
ANTIMONY	4.7		
ARSENIC	1.9		
BARIUM	19.4		
BERYLLIUM	0.031	U	
CADMIUM	0.46		
CALCIUM	389000		
CHROMIUM	4.6		
COBALT	0.1		
COPPER	23.6		
IRON	497		
LEAD	288		
MAGNESIUM	1000		
MANGANESE	10.3		
MERCURY	0.033		
NICKEL	1.3		
POTASSIUM	50.9		
SELENIUM	21	U	
SILVER	0.19	U	A
SODIUM	1450		
THALLIUM	0.16	U	
TIN	5.1		
VANADIUM	1.8		
ZINC	75.7		

nsample	C03D-13C-12-0604
samp_date	6/5/2004
lab_id	F24649-2
qc_type	NM
units	MG/KG
Pct_Solids	91.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	61.7		
ANTIMONY	0.17	U	
ARSENIC	2.1		
BARIUM	7.5		
BERYLLIUM	0.033	U	
CADMIUM	0.033	U	
CALCIUM	397000		
CHROMIUM	1.7		
COBALT	0.056	U	
COPPER	1.2		
IRON	46		
LEAD	1.7		
MAGNESIUM	884		
MANGANESE	1.5		
MERCURY	0.0095		
NICKEL	0.58		
POTASSIUM	32.9		
SELENIUM	22	U	
SILVER	0.14	U	A
SODIUM	1370		
THALLIUM	0.17	U	
TIN	4.9		
VANADIUM	1.5		
ZINC	3		

nsample	C03D-13C-24-0604
samp_date	6/5/2004
lab_id	F24649-3
qc_type	NM
units	MG/KG
Pct_Solids	90.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	50.5		
ANTIMONY	0.17	U	
ARSENIC	1.7		
BARIUM	8.8		
BERYLLIUM	0.034	U	
CADMIUM	0.034	U	
CALCIUM	380000		
CHROMIUM	1.5		
COBALT	0.056	U	
COPPER	0.49		
IRON	25.5		
LEAD	0.87	U	A
MAGNESIUM	547		
MANGANESE	0.84		
MERCURY	0.0021	U	
NICKEL	0.4		
POTASSIUM	38.6		
SELENIUM	23	U	
SILVER	0.11	U	A
SODIUM	1700		
THALLIUM	0.17	U	
TIN	4.3		
VANADIUM	1.2		
ZINC	0.42		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-14C-06-0604
samp_date	6/7/2004
lab_id	F24649-38
qc_type	NM
units	MG/KG
Pct_Solids	98.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	600		
ANTIMONY	0.15	U	
ARSENIC	1.9		
BARIUM	6.3		
BERYLLIUM	0.083		
CADMIUM	0.03	U	
CALCIUM	243000		
CHROMIUM	4.6		
COBALT	0.16		
COPPER	0.95		
IRON	628		
LEAD	8.9		
MAGNESIUM	1710		
MANGANESE	23.4		
MERCURY	0.0038		
NICKEL	1		
POTASSIUM	102		
SELENIUM	20	U	
SILVER	0.06	U	
SODIUM	218		
THALLIUM	0.15	U	
TIN	3.2		
VANADIUM	5		
ZINC	2.7		

nsample	C03D-14C-12-0604
samp_date	6/7/2004
lab_id	F24649-39
qc_type	NM
units	MG/KG
Pct_Solids	96.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	627		
ANTIMONY	0.15	U	
ARSENIC	1.6		
BARIUM	6.4		
BERYLLIUM	0.087		
CADMIUM	0.03	U	
CALCIUM	236000		
CHROMIUM	4.5		
COBALT	0.15		
COPPER	0.71		
IRON	524		
LEAD	25.5		
MAGNESIUM	1640		
MANGANESE	22.7		
MERCURY	0.012		
NICKEL	0.95		
POTASSIUM	108		
SELENIUM	20	U	
SILVER	0.061	U	
SODIUM	226		
THALLIUM	0.15	U	
TIN	2.8	U	A
VANADIUM	5.1		
ZINC	1.6		

nsample	C03D-14C-24-0604
samp_date	6/7/2004
lab_id	F24649-40
qc_type	NM
units	MG/KG
Pct_Solids	90.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	623		
ANTIMONY	0.16	U	
ARSENIC	1.8		
BARIUM	6.1		
BERYLLIUM	0.081		
CADMIUM	0.033	U	
CALCIUM	234000		
CHROMIUM	4.9		
COBALT	0.16		
COPPER	0.57		
IRON	511		
LEAD	3.8		
MAGNESIUM	1630		
MANGANESE	22.2		
MERCURY	0.0037		
NICKEL	0.87		
POTASSIUM	102		
SELENIUM	22	U	
SILVER	0.065	U	
SODIUM	213		
THALLIUM	0.16	U	
TIN	2.6	U	A
VANADIUM	5.1		
ZINC	0.99		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-15C-06-0604
samp_date	6/7/2004
lab_id	F24649-34
qc_type	NM
units	MG/KG
Pct_Solids	97.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	637		
ANTIMONY	0.15	U	
ARSENIC	1.9		
BARIUM	6.3		
BERYLLIUM	0.073		
CADMIUM	0.03	U	
CALCIUM	249000		
CHROMIUM	4.4		
COBALT	0.14		
COPPER	0.75		
IRON	527		
LEAD	4.9		
MAGNESIUM	1850		
MANGANESE	24.2		
MERCURY	0.0038		
NICKEL	0.89		
POTASSIUM	109		
SELENIUM	20	U	
SILVER	0.059	U	
SODIUM	198		
THALLIUM	0.15	U	
TIN	3.1		
VANADIUM	5		
ZINC	1.7		

nsample	C03D-15C-12-0604
samp_date	6/7/2004
lab_id	F24649-35
qc_type	NM
units	MG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	632		
ANTIMONY	0.15	U	
ARSENIC	1.8		
BARIUM	6.5		
BERYLLIUM	0.073		
CADMIUM	0.03	U	
CALCIUM	271000		
CHROMIUM	4.4		
COBALT	0.12		
COPPER	0.48		
IRON	523		
LEAD	0.49	U	A
MAGNESIUM	1970		
MANGANESE	25.6		
MERCURY	0.0021		
NICKEL	0.89		
POTASSIUM	108		
SELENIUM	20	U	
SILVER	0.06	U	
SODIUM	188		
THALLIUM	0.15	U	
TIN	3.3		
VANADIUM	5		
ZINC	0.63		

nsample	C03D-15C-24-0604
samp_date	6/7/2004
lab_id	F24649-36
qc_type	NM
units	MG/KG
Pct_Solids	80.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	119		
ANTIMONY	0.19	U	
ARSENIC	2.1		
BARIUM	9.3		
BERYLLIUM	0.038	U	
CADMIUM	0.038	U	
CALCIUM	394000		
CHROMIUM	2.2		
COBALT	0.063	U	
COPPER	3		
IRON	177		
LEAD	9.9		
MAGNESIUM	1660		
MANGANESE	3.1		
MERCURY	0.054		
NICKEL	0.52		
POTASSIUM	39.7		
SELENIUM	25	U	
SILVER	0.076	U	
SODIUM	1580		
THALLIUM	0.19	U	
TIN	5.1		
VANADIUM	1.1		
ZINC	7.2		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-16C-06-0604
samp_date	6/7/2004
lab_id	F24649-25
qc_type	NM
units	MG/KG
Pct_Solids	95.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	550		
ANTIMONY	0.15	U	
ARSENIC	1.1		
BARIUM	6.3		
BERYLLIUM	0.067		
CADMIUM	0.031	U	
CALCIUM	231000		
CHROMIUM	4.6		
COBALT	0.15		
COPPER	1.3		
IRON	493		
LEAD	9.3		
MAGNESIUM	1600		
MANGANESE	22.1		
MERCURY	0.0048		
NICKEL	0.85		
POTASSIUM	103		
SELENIUM	20	U	
SILVER	0.061	U	
SODIUM	212		
THALLIUM	0.15	U	
TIN	2.8	U	A
VANADIUM	4.6		
ZINC	4.5		

nsample	C03D-16C-12-0604
samp_date	6/7/2004
lab_id	F24649-26
qc_type	NM
units	MG/KG
Pct_Solids	93.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	581		
ANTIMONY	0.16	U	
ARSENIC	1.5		
BARIUM	6.2		
BERYLLIUM	0.064		
CADMIUM	0.033	U	
CALCIUM	244000		
CHROMIUM	4.6		
COBALT	0.16		
COPPER	1.2		
IRON	551		
LEAD	13.5		
MAGNESIUM	1710		
MANGANESE	23.5		
MERCURY	0.0026		
NICKEL	0.88		
POTASSIUM	112		
SELENIUM	22	U	
SILVER	0.066	U	
SODIUM	195		
THALLIUM	0.16	U	
TIN	3.1	U	A
VANADIUM	4.8		
ZINC	3.1		

nsample	C03D-16C-24-0604
samp_date	6/7/2004
lab_id	F24649-27
qc_type	NM
units	MG/KG
Pct_Solids	92.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	545		
ANTIMONY	0.17	U	
ARSENIC	1.7		
BARIUM	6.5		
BERYLLIUM	0.044		
CADMIUM	0.033	U	
CALCIUM	265000		
CHROMIUM	4.2		
COBALT	0.17		
COPPER	2.2		
IRON	498		
LEAD	35.7		
MAGNESIUM	1900		
MANGANESE	25.1		
MERCURY	0.0019		
NICKEL	0.87		
POTASSIUM	102		
SELENIUM	22	U	
SILVER	0.066	U	
SODIUM	189		
THALLIUM	0.17	U	
TIN	3.4		
VANADIUM	4.7		
ZINC	5.9		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-5C-06-0604
samp_date	6/5/2004
lab_id	F24649-7
qc_type	NM
units	MG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	248		
ANTIMONY	5.7		
ARSENIC	2.8		
BARIUM	34.6		
BERYLLIUM	0.032	U	
CADMIUM	0.83		
CALCIUM	385000		
CHROMIUM	4.9		
COBALT	0.21		
COPPER	69.6		
IRON	2220		
LEAD	595		
MAGNESIUM	1260		
MANGANESE	28.2		
MERCURY	0.1		
NICKEL	2.4		
POTASSIUM	47.9		
SELENIUM	21	U	
SILVER	0.064	U	
SODIUM	1280		
THALLIUM	0.16	U	
TIN	5.9		
VANADIUM	2.7		
ZINC	166		

nsample	C03D-5C-12-0604
samp_date	6/5/2004
lab_id	F24649-8
qc_type	NM
units	MG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	85		
ANTIMONY	0.16	U	
ARSENIC	1.8		
BARIUM	5.8		
BERYLLIUM	0.032	U	
CADMIUM	0.032	U	
CALCIUM	391000		
CHROMIUM	1.5		
COBALT	0.053	U	
COPPER	0.98		
IRON	77.6		
LEAD	2.5		
MAGNESIUM	985		
MANGANESE	3.2		
MERCURY	0.011		
NICKEL	0.41		
POTASSIUM	24.5		
SELENIUM	21	U	
SILVER	0.064	U	
SODIUM	985		
THALLIUM	0.16	U	
TIN	4.4		
VANADIUM	0.93		
ZINC	2.1		

nsample	C03D-5C-24-0604
samp_date	6/5/2004
lab_id	F24649-9
qc_type	NM
units	MG/KG
Pct_Solids	91.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	76.2		
ANTIMONY	0.16	U	
ARSENIC	1.7		
BARIUM	8.7		
BERYLLIUM	0.033	U	
CADMIUM	0.033	U	
CALCIUM	383000		
CHROMIUM	1.6		
COBALT	0.055	U	
COPPER	0.84		
IRON	41.7		
LEAD	1.4		
MAGNESIUM	716		
MANGANESE	1.6		
MERCURY	0.0093		
NICKEL	0.37		
POTASSIUM	33.1		
SELENIUM	22	U	
SILVER	0.099	U	A
SODIUM	1350		
THALLIUM	0.16	U	
TIN	4.3		
VANADIUM	1.3		
ZINC	0.98		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-9C-06-0604
samp_date	6/5/2004
lab_id	F24649-4
qc_type	NM
units	MG/KG
Pct_Solids	97.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	524		
ANTIMONY	0.15	U	
ARSENIC	0.86		
BARIUM	6.1		
BERYLLIUM	0.036		
CADMIUM	0.03	U	
CALCIUM	234000		
CHROMIUM	4.5		
COBALT	0.17		
COPPER	0.79		
IRON	465		
LEAD	5.7		
MAGNESIUM	1530		
MANGANESE	21.3		
MERCURY	0.007		
NICKEL	0.87		
POTASSIUM	106		
SELENIUM	20	U	
SILVER	0.061	U	
SODIUM	246		
THALLIUM	0.15	U	
TIN	2.7	U	A
VANADIUM	4.8		
ZINC	1.4		

nsample	C03D-9C-12-0604
samp_date	6/5/2004
lab_id	F24649-5
qc_type	NM
units	MG/KG
Pct_Solids	96.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	501		
ANTIMONY	0.16	U	
ARSENIC	0.77		
BARIUM	5.6		
BERYLLIUM	0.032	U	
CADMIUM	0.032	U	
CALCIUM	230000		
CHROMIUM	4.4		
COBALT	0.13		
COPPER	0.44		
IRON	442		
LEAD	0.59	U	A
MAGNESIUM	1440		
MANGANESE	20.1		
MERCURY	0.0084		
NICKEL	0.8		
POTASSIUM	95.5		
SELENIUM	21	U	
SILVER	0.063	U	
SODIUM	217		
THALLIUM	0.16	U	
TIN	2.7	U	A
VANADIUM	4.6		
ZINC	0.66		

nsample	C03D-9C-24-0604
samp_date	6/5/2004
lab_id	F24649-6
qc_type	NM
units	MG/KG
Pct_Solids	95.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	497		
ANTIMONY	0.16	U	
ARSENIC	1.2		
BARIUM	6		
BERYLLIUM	0.032	U	
CADMIUM	0.032	U	
CALCIUM	240000		
CHROMIUM	4.5		
COBALT	0.13		
COPPER	0.46		
IRON	423		
LEAD	1.7		
MAGNESIUM	1460		
MANGANESE	19.6		
MERCURY	0.0059		
NICKEL	0.78		
POTASSIUM	94.6		
SELENIUM	21	U	
SILVER	0.18	U	A
SODIUM	282		
THALLIUM	0.16	U	
TIN	2.9	U	A
VANADIUM	4.5		
ZINC	0.77		

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	KW-DUP-01-0604
samp_date	6/6/2004
lab_id	F24649-13
qc_type	NM
units	MG/KG
Pct_Solids	96.6
DUP_OF:	C03D-01C-06-0604

Parameter	Result	Val Qual	Qual Code
ALUMINUM	659		
ANTIMONY	0.15	U	
ARSENIC	1.2		
BARIUM	6.7		
BERYLLIUM	0.066		
CADMIUM	0.03	U	
CALCIUM	232000		
CHROMIUM	5.3		
COBALT	0.16		
COPPER	0.6		
IRON	494		
LEAD	0.75	U	A
MAGNESIUM	1510		
MANGANESE	21.8		
MERCURY	0.0079		
NICKEL	0.99		
POTASSIUM	123		
SELENIUM	20	U	
SILVER	0.061	U	
SODIUM	256		
THALLIUM	0.15	U	
TIN	2.8	U	A
VANADIUM	5.2		
ZINC	1		

nsample	KW-DUP-02-0604
samp_date	6/6/2004
lab_id	F24649-14
qc_type	NM
units	MG/KG
Pct_Solids	95.0
DUP_OF:	C03D-01C-12-0604

Parameter	Result	Val Qual	Qual Code
ALUMINUM	526		
ANTIMONY	0.15	U	
ARSENIC	1.5		
BARIUM	6.1		
BERYLLIUM	0.035		
CADMIUM	0.03	U	
CALCIUM	249000		
CHROMIUM	4.8		
COBALT	0.16		
COPPER	0.81		
IRON	449		
LEAD	3.2		
MAGNESIUM	1520		
MANGANESE	20.4		
MERCURY	0.0087		
NICKEL	0.87		
POTASSIUM	100		
SELENIUM	20	U	
SILVER	0.061	U	
SODIUM	303		
THALLIUM	0.15	U	
TIN	3	U	A
VANADIUM	4.4		
ZINC	1.1		

nsample	KW-DUP-03-0604
samp_date	6/6/2004
lab_id	F24649-15
qc_type	NM
units	MG/KG
Pct_Solids	97.7
DUP_OF:	C03D-01C-24-0604

Parameter	Result	Val Qual	Qual Code
ALUMINUM	572		
ANTIMONY	0.15	U	
ARSENIC	1.2		
BARIUM	7.7		
BERYLLIUM	0.057		
CADMIUM	0.14		
CALCIUM	227000		
CHROMIUM	5.2		
COBALT	0.13		
COPPER	4.5		
IRON	712		
LEAD	20.1		
MAGNESIUM	1520		
MANGANESE	22.3		
MERCURY	0.011		
NICKEL	1.1		
POTASSIUM	109		
SELENIUM	20	U	
SILVER	0.059	U	
SODIUM	258		
THALLIUM	0.15	U	
TIN	2.7	U	A
VANADIUM	4.9		
ZINC	19.2	J	G

PROJ_NO: 0693

SDG: F24649 MEDIA: SOIL DATA FRACTION: M

nsample	KW-DUP-04-0604
samp_date	6/7/2004
lab_id	F24649-37
qc_type	NM
units	MG/KG
Pct_Solids	95.6
DUP_OF:	C03D-15C-12-0604

Parameter	Result	Val Qual	Qual Code
ALUMINUM	621		
ANTIMONY	0.16	U	
ARSENIC	1.6		
BARIUM	6.3		
BERYLLIUM	0.074		
CADMIUM	0.031	U	
CALCIUM	262000		
CHROMIUM	4.3		
COBALT	0.16		
COPPER	0.6		
IRON	525		
LEAD	1.9		
MAGNESIUM	1900		
MANGANESE	24.8		
MERCURY	0.0027		
NICKEL	0.89		
POTASSIUM	107		
SELENIUM	21	U	
SILVER	0.063	U	
SODIUM	200		
THALLIUM	0.16	U	
TIN	3.2		
VANADIUM	5		
ZINC	0.75		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	C03D-01C-06-0604		
Lab Sample ID:	F24649-10	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	97.0
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	588	20	0.67	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.3	0.51	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.7 B	20	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.057 B	0.51	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.40	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	231000	5100	3.8	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.9	1.0	0.040	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.14 B	5.1	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	1.7 B	2.5	0.044	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	519	10	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	10.6	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1580	510	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	22.3	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.016 B	0.087	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	1.9 B	4.0	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	109 B	510	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.061 U	1.0	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	264 B	510	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.9 B	5.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.7 B	5.1	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	3.5	2.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	C03D-01C-12-0604		
Lab Sample ID:	F24649-11	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.7
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	556	21	0.69	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.5	0.52	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.4 B	21	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.041 B	0.52	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.30 B	0.42	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	242000	5200	4.0	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.2	1.0	0.042	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.16 B	5.2	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.57 B	2.6	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	485	10	0.74	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	0.74 B	10	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1580	520	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.8	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.013 B	0.089	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.86 B	4.2	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	106 B	520	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	40	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.094 B	1.0	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	248 B	520	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.0	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.9 B	5.2	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.7 B	5.2	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.95 B	2.1	0.062	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

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Report of Analysis

Client Sample ID:	C03D-01C-24-0604		
Lab Sample ID:	F24649-12	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.5
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	579	21	0.69	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.1	0.52	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.3 B	21	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.049 B	0.52	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.42	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	231000	5200	4.0	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.0	1.0	0.042	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.15 B	5.2	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	1.9 B	2.6	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	540	10	0.74	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	26.8	10	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1490	520	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.4	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.012 B	0.086	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.94 B	4.2	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	112 B	520	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	40	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.12 B	1.0	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	275 B	520	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.0	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.8 B	5.2	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.9 B	5.2	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	7.1	2.1	0.062	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-02C-06-0604		
Lab Sample ID:	F24649-16	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.8
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	555	21	0.70	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.4	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.1	0.53	0.30	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	7.2 B	21	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.045 B	0.53	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.032 U	0.43	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	255000	5300	4.0	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.1	1.1	0.043	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.14 B	5.3	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	3.0	2.7	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	530	11	0.76	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	101	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1400	530	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	19.5	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.039 B	0.086	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.86 B	4.3	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	105 B	530	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.064 U	1.1	0.064	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	315 B	530	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.0 B	5.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.8 B	5.3	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	7.3	2.1	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	C03D-02C-12-0604		
Lab Sample ID:	F24649-17	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.9
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	595	21	0.70	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.4	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.4	0.53	0.30	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.2 B	21	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.063 B	0.53	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.032 U	0.43	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	239000	5300	4.0	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.0	1.1	0.043	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.12 B	5.3	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.55 B	2.7	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	496	11	0.76	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	0.82 B	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1520	530	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.5	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0084 B	0.087	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.90 B	4.3	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	118 B	530	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.064 U	1.1	0.064	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	255 B	530	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.9 B	5.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.3	5.3	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.74 B	2.1	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-02C-24-0604		
Lab Sample ID:	F24649-18	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	94.5
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	537	21	0.68	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.2	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.4	0.52	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	5.9 B	21	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.067 B	0.52	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.41	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	222000	5200	3.9	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.8	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.10 B	5.2	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.98 B	2.6	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	439	10	0.74	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	2.9 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1400	520	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	19.8	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.015 B	0.085	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.90 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	106 B	520	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	40	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.062 U	1.0	0.062	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	280 B	520	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.0	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.8 B	5.2	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.8 B	5.2	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	1.4 B	2.1	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	C03D-03C-06-0604		
Lab Sample ID:	F24649-19	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	97.9
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	561	20	0.67	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	0.94	0.51	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.2 B	20	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.063 B	0.51	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.41	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	228000	5100	3.9	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.6	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.070 B	5.1	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	2.1 B	2.6	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	485	10	0.73	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	1.6 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1560	510	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.6	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0097 B	0.087	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.91 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	114 B	510	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.061 U	1.0	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	231 B	510	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.0 B	5.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.9 B	5.1	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	1.4 B	2.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	C03D-03C-12-0604		
Lab Sample ID:	F24649-20	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	97.0
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	667	21	0.68	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.2	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.5	0.52	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.2 B	21	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.070 B	0.52	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.41	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	233000	5200	3.9	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.3	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.20 B	5.2	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.64 B	2.6	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	516	10	0.73	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	1.0 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1570	520	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.0	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0062 B	0.085	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.92 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	110 B	520	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	21 U	40	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.062 U	1.0	0.062	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	243 B	520	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.45 B	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.0 B	5.2	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.2	5.2	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	1.1 B	2.1	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	C03D-03C-24-0604		
Lab Sample ID:	F24649-21	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	96.7
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	698	20	0.67	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.2	0.51	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.0 B	20	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.095 B	0.51	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.41	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	218000	5100	3.9	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.8	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.20 B	5.1	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.58 B	2.5	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	510	10	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	0.66 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1520	510	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	20.9	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0019 U	0.086	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.96 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	119 B	510	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.061 U	1.0	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	255 B	510	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.8 B	5.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.4	5.1	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.78 B	2.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	C03D-04C-06-0604		
Lab Sample ID:	F24649-22	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	97.9
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	595	21	0.69	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.0	0.52	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.7 B	21	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.068 B	0.52	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.42	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	236000	5200	4.0	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.6	1.0	0.042	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.15 B	5.2	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	1.7 B	2.6	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	572	10	0.74	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	6.1 B	10	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1620	520	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	22.1	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0041 B	0.085	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.92 B	4.2	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	107 B	520	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	21 U	40	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.063 U	1.0	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	217 B	520	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.0	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.0 B	5.2	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.8 B	5.2	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	5.0	2.1	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-04C-12-0604		
Lab Sample ID:	F24649-23	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.5
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	665	21	0.71	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.4	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.7	0.53	0.30	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.3 B	21	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.069 B	0.53	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.032 U	0.43	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	242000	5300	4.1	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.7	1.1	0.043	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.22 B	5.3	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.55 B	2.7	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	536	11	0.76	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	0.61 B	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1760	530	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	23.2	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0019 U	0.087	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	1.0 B	4.3	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	114 B	530	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	21 U	44	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.064 U	1.1	0.064	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	222 B	530	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.1 B	5.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.2 B	5.3	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.79 B	2.1	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-04C-24-0604		
Lab Sample ID:	F24649-24	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.4
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	678	20	0.67	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.2	0.50	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.0 B	20	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.082 B	0.50	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.40	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	227000	5000	3.8	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.8	1.0	0.040	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.14 B	5.0	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.48 B	2.5	0.044	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	512	10	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	0.73 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1610	500	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.8	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0031 B	0.089	0.0020	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.87 B	4.0	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	113 B	500	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.060 U	1.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	211 B	500	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.9 B	5.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.2	5.0	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.67 B	2.0	0.059	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-08C-06-0604		
Lab Sample ID:	F24649-31	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	98.2
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	651	20	0.66	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.4	0.50	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.7 B	20	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.095 B	0.50	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.40	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	238000	5000	3.8	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.1	1.0	0.040	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.16 B	5.0	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	1.4 B	2.5	0.044	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	578	10	0.71	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	9.2 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1650	500	0.99	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	22.5	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0061 B	0.085	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	1.0 B	4.0	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	121 B	500	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.060 U	1.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	232 B	500	14	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.8 B	5.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.2	5.0	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	5.1	2.0	0.059	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-08C-12-0604		
Lab Sample ID:	F24649-32	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	96.8
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	503	21	0.70	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.1	0.53	0.30	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	5.9 B	21	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.032 U	0.53	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.032 U	0.42	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	236000	5300	4.0	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.1	1.1	0.042	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.092 B	5.3	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.49 B	2.6	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	440	11	0.75	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	1.4 B	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1520	530	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.1	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0059 B	0.086	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.76 B	4.2	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	95.2 B	530	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.063 U	1.1	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	203 B	530	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.4 B	5.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.5 B	5.3	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.82 B	2.1	0.062	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-08C-24-0604		
Lab Sample ID:	F24649-33	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	93.4
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	481	21	0.68	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.2	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.0	0.51	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	187	21	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.031 U	0.51	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.067 B	0.41	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	259000	5100	3.9	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.5	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.051 U	5.1	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	10.8	2.6	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	544	10	0.73	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	33.5	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	2590	510	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	19.2	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.046 B	0.089	0.0020	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	1.1 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	82.3 B	510	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	40	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.062 U	1.0	0.062	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	670	510	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.9 B	5.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	3.8 B	5.1	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	49.9	2.1	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	C03D-12C-06-0604		
Lab Sample ID:	F24649-28	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	98.0
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	652	20	0.67	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.4	0.51	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	5.9 B	20	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.086 B	0.51	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.41	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	230000	5100	3.9	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.8	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.13 B	5.1	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.48 B	2.6	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	505	10	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	1.6 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1590	510	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.6	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0019 U	0.085	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.84 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	111 B	510	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.061 U	1.0	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	216 B	510	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.8 B	5.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.2	5.1	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.83 B	2.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-12C-12-0604		
Lab Sample ID:	F24649-29	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.3
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	653	21	0.68	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.2	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.4	0.51	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.9 B	21	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.086 B	0.51	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.41	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	241000	5100	3.9	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.9	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.13 B	5.1	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	1.1 B	2.6	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	518	10	0.73	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	3.9 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1860	510	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.7	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0048 B	0.087	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.92 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	114 B	510	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	21 U	40	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.062 U	1.0	0.062	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	352 B	510	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.0 B	5.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.3	5.1	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	2.5	2.1	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-12C-24-0604		
Lab Sample ID:	F24649-30	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	86.2
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	326	23	0.77	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.17 U	7.0	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.3	0.58	0.32	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	28.9	23	0.058	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.035 U	0.58	0.035	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.035 U	0.46	0.035	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	385000	5800	4.4	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	3.1	1.2	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.11 B	5.8	0.058	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	4.3	2.9	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	267	12	0.82	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	14.3	12	0.14	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1170	580	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	15.5	1.7	0.019	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.040 B	0.095	0.0021	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.55 B	4.6	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	53.5 B	580	1.6	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	23 U	48	23	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.070 U	1.2	0.070	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	1520	580	17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.17 U	1.2	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	4.6 B	5.8	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	1.0 B	5.8	0.055	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	10.1	2.3	0.068	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-13C-06-0604		
Lab Sample ID:	F24649-1	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	94.6
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	192	21	0.68	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	4.7 B	6.2	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.9	0.52	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	19.4 B	21	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.031 U	0.52	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.46	0.41	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	389000	5200	3.9	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.6	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.10 B	5.2	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	23.6	2.6	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	497	10	0.74	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	288	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1000	520	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	10.3	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.033 B	0.090	0.0020	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	1.3 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	50.9 B	520	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	40	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.19 B	1.0	0.062	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	1450	520	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.0	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	5.1 B	5.2	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	1.8 B	5.2	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	75.7	2.1	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	C03D-13C-12-0604		
Lab Sample ID:	F24649-2	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	91.5
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	61.7	22	0.74	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.17 U	6.7	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.1	0.56	0.31	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	7.5 B	22	0.056	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.033 U	0.56	0.033	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.033 U	0.45	0.033	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	397000	5600	4.2	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	1.7	1.1	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.056 U	5.6	0.056	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	1.2 B	2.8	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	46.0	11	0.79	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	1.7 B	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	884	560	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	1.5 B	1.7	0.018	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0095 B	0.091	0.0020	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.58 B	4.5	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	32.9 B	560	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	22 U	44	22	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.14 B	1.1	0.067	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	1370	560	16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.17 U	1.1	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	4.9 B	5.6	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	1.5 B	5.6	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	3.0	2.2	0.066	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-13C-24-0604		
Lab Sample ID:	F24649-3	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	90.7
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	50.5	23	0.74	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.17 U	6.8	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.7	0.56	0.32	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	8.8 B	23	0.056	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.034 U	0.56	0.034	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.034 U	0.45	0.034	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	380000	5600	4.3	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	1.5	1.1	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.056 U	5.6	0.056	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.49 B	2.8	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	25.5	11	0.80	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	0.87 B	11	0.14	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	547 B	560	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	0.84 B	1.7	0.018	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0021 U	0.093	0.0021	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.40 B	4.5	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	38.6 B	560	1.6	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	23 U	44	23	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.11 B	1.1	0.068	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	1700	560	16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.17 U	1.1	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	4.3 B	5.6	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	1.2 B	5.6	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.42 B	2.3	0.066	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	C03D-14C-06-0604		
Lab Sample ID:	F24649-38	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	98.1
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	600	20	0.66	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.9	0.50	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.3 B	20	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.083 B	0.50	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.40	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	243000	5000	3.8	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.6	1.0	0.040	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.16 B	5.0	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.95 B	2.5	0.044	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	628	10	0.71	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	8.9 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1710	500	0.99	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	23.4	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0038 B	0.084	0.0018	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	1.0 B	4.0	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	102 B	500	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.060 U	1.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	218 B	500	14	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.2 B	5.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.0	5.0	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	2.7	2.0	0.059	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	C03D-14C-12-0604		
Lab Sample ID:	F24649-39	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	96.5
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	627	20	0.67	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.6	0.51	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.4 B	20	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.087 B	0.51	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.41	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	236000	5100	3.9	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.5	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.15 B	5.1	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.71 B	2.5	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	524	10	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	25.5	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1640	510	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	22.7	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.012 B	0.088	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.95 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	108 B	510	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.061 U	1.0	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	226 B	510	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.8 B	5.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.1	5.1	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	1.6 B	2.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-14C-24-0604		
Lab Sample ID:	F24649-40	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	90.4
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	623	22	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.5	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.8	0.54	0.30	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.1 B	22	0.054	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.081 B	0.54	0.033	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.033 U	0.43	0.033	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	234000	5400	4.1	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.9	1.1	0.043	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.16 B	5.4	0.054	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.57 B	2.7	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	511	11	0.77	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	3.8 B	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1630	540	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	22.2	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0037 B	0.094	0.0021	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.87 B	4.3	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	102 B	540	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	22 U	44	22	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.065 U	1.1	0.065	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	213 B	540	16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.6 B	5.4	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.1 B	5.4	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.99 B	2.2	0.064	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	C03D-15C-06-0604		
Lab Sample ID:	F24649-34	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	97.7
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	637	20	0.65	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	5.9	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.9	0.49	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.3 B	20	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.073 B	0.49	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.39	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	249000	4900	3.7	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.4	0.98	0.039	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.14 B	4.9	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.75 B	2.5	0.043	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	527	9.8	0.70	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	4.9 B	9.8	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1850	490	0.97	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	24.2	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0038 B	0.083	0.0018	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.89 B	3.9	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	109 B	490	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.059 U	0.98	0.059	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	198 B	490	14	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	0.98	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.1 B	4.9	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.0	4.9	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	1.7 B	2.0	0.058	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-15C-12-0604		
Lab Sample ID:	F24649-35	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.4
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	632	20	0.67	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.8	0.50	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.5 B	20	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.073 B	0.50	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.40	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	271000	5000	3.8	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.4	1.0	0.040	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.12 B	5.0	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.48 B	2.5	0.044	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	523	10	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	0.49 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1970	500	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	25.6	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0021 B	0.086	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.89 B	4.0	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	108 B	500	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.060 U	1.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	188 B	500	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.3 B	5.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.0	5.0	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.63 B	2.0	0.059	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-15C-24-0604		
Lab Sample ID:	F24649-36	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	80.9
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	119	25	0.83	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.19 U	7.6	0.19	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.1	0.63	0.35	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	9.3 B	25	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.038 U	0.63	0.038	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.038 U	0.50	0.038	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	394000	6300	4.8	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	2.2	1.3	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.063 U	6.3	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	3.0 B	3.2	0.055	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	177	13	0.90	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	9.9 B	13	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1660	630	1.2	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	3.1	1.9	0.020	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.054 B	0.10	0.0023	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.52 B	5.0	0.14	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	39.7 B	630	1.7	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	25 U	46	25	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.076 U	1.3	0.076	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	1580	630	18	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.19 U	1.3	0.19	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	5.1 B	6.3	0.19	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	1.1 B	6.3	0.059	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	7.2	2.5	0.074	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	C03D-16C-06-0604		
Lab Sample ID:	F24649-25	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.7
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	550	20	0.68	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.1	0.51	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.3 B	20	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.067 B	0.51	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.41	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	231000	5100	3.9	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.6	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.15 B	5.1	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	1.3 B	2.6	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	493	10	0.73	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	9.3 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1600	510	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	22.1	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0048 B	0.089	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.85 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	103 B	510	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.061 U	1.0	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	212 B	510	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.8 B	5.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.6 B	5.1	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	4.5	2.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-16C-12-0604		
Lab Sample ID:	F24649-26	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	93.4
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	581	22	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.6	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.5	0.55	0.31	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.2 B	22	0.055	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.064 B	0.55	0.033	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.033 U	0.44	0.033	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	244000	5500	4.2	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.6	1.1	0.044	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.16 B	5.5	0.055	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	1.2 B	2.7	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	551	11	0.78	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	13.5	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1710	550	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	23.5	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0026 B	0.088	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.88 B	4.4	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	112 B	550	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	22 U	44	22	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.066 U	1.1	0.066	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	195 B	550	16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.1 B	5.5	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.8 B	5.5	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	3.1	2.2	0.064	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	C03D-16C-24-0604		
Lab Sample ID:	F24649-27	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	92.7
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	545	22	0.73	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.17 U	6.6	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.7	0.55	0.31	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.5 B	22	0.055	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.044 B	0.55	0.033	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.033 U	0.44	0.033	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	265000	5500	4.2	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.2	1.1	0.044	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.17 B	5.5	0.055	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	2.2 B	2.8	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	498	11	0.78	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	35.7	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1900	550	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	25.1	1.7	0.018	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0019 B	0.088	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.87 B	4.4	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	102 B	550	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium	22 U	44	22	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.066 U	1.1	0.066	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	189 B	550	16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.17 U	1.1	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.4 B	5.5	0.17	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.7 B	5.5	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	5.9	2.2	0.065	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-5C-06-0604		
Lab Sample ID:	F24649-7	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	92.2
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	248	21	0.70	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	5.7 B	6.4	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.8	0.53	0.30	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	34.6	21	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.032 U	0.53	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.83	0.43	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	385000	5300	4.0	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.9	1.1	0.043	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.21 B	5.3	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	69.6	2.7	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	2220	11	0.75	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	595	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1260	530	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	28.2	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.10	0.089	0.0020	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	2.4 B	4.3	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	47.9 B	530	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.064 U	1.1	0.064	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	1280	530	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	5.9	5.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	2.7 B	5.3	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	166	2.1	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-5C-12-0604		
Lab Sample ID:	F24649-8	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	93.8
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	85.0	21	0.70	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.4	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.8	0.53	0.30	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	5.8 B	21	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.032 U	0.53	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.032 U	0.43	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	391000	5300	4.1	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	1.5	1.1	0.043	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.053 U	5.3	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.98 B	2.7	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	77.6	11	0.76	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	2.5 B	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	985	530	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	3.2	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.011 B	0.087	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.41 B	4.3	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	24.5 B	530	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.064 U	1.1	0.064	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	985	530	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	4.4 B	5.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	0.93 B	5.3	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	2.1	2.1	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

ACCUTEST LABORATORIES

Report of Analysis

Client Sample ID:	C03D-5C-24-0604		
Lab Sample ID:	F24649-9	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	91.0
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	76.2	22	0.73	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.6	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.7	0.55	0.31	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	8.7 B	22	0.055	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.033 U	0.55	0.033	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.033 U	0.44	0.033	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	383000	5500	4.2	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	1.6	1.1	0.044	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.055 U	5.5	0.055	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.84 B	2.7	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	41.7	11	0.78	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	1.4 B	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	716	550	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	1.6	1.6	0.018	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0093 B	0.093	0.0020	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.37 B	4.4	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	33.1 B	550	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	22 U	44	22	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.099 B	1.1	0.066	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	1350	550	16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	4.3 B	5.5	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	1.3 B	5.5	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.98 B	2.2	0.065	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	C03D-9C-06-0604		
Lab Sample ID:	F24649-4	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	97.1
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	524	20	0.67	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	0.86	0.50	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.1 B	20	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.036 B	0.50	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.40	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	234000	5000	3.8	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.5	1.0	0.040	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.17 B	5.0	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.79 B	2.5	0.044	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	465	10	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	5.7 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1530	500	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.3	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0070 B	0.084	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.87 B	4.0	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	106 B	500	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.061 U	1.0	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	246 B	500	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.7 B	5.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.8 B	5.0	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	1.4 B	2.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

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Report of Analysis

Client Sample ID:	C03D-9C-12-0604		
Lab Sample ID:	F24649-5	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	96.8
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	501	21	0.70	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	0.77	0.53	0.30	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	5.6 B	21	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.032 U	0.53	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.032 U	0.42	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	230000	5300	4.0	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.4	1.1	0.042	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.13 B	5.3	0.053	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.44 B	2.6	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	442	11	0.75	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	0.59 B	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1440	530	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	20.1	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0084 B	0.088	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.80 B	4.2	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	95.5 B	530	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.063 U	1.1	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	217 B	530	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.7 B	5.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.6 B	5.3	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.66 B	2.1	0.062	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

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Report of Analysis

Client Sample ID:	C03D-9C-24-0604		
Lab Sample ID:	F24649-6	Date Sampled:	06/05/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.1
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	497	21	0.71	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.4	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.2	0.54	0.30	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.0 B	21	0.054	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.032 U	0.54	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.032 U	0.43	0.032	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	240000	5400	4.1	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.5	1.1	0.043	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.13 B	5.4	0.054	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.46 B	2.7	0.047	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	423	11	0.76	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	1.7 B	11	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1460	540	1.1	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	19.6	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0059 B	0.089	0.0020	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.78 B	4.3	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	94.6 B	540	1.5	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.18 B	1.1	0.064	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	282 B	540	16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.9 B	5.4	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.5 B	5.4	0.050	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.77 B	2.1	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	KW-DUP-01-0604		
Lab Sample ID:	F24649-13	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	96.6
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	659	20	0.67	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.2	0.51	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.7 B	20	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.066 B	0.51	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.41	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	232000	5100	3.9	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.3	1.0	0.041	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.16 B	5.1	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.60 B	2.5	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	494	10	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	0.75 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1510	510	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.8	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0079 B	0.086	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.99 B	4.1	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	123 B	510	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.061 U	1.0	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	256 B	510	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.8 B	5.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.2	5.1	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	1.0 B	2.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	KW-DUP-02-0604		
Lab Sample ID:	F24649-14	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.0
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	526	20	0.67	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.5	0.51	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.1 B	20	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.035 B	0.51	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.030 U	0.40	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	249000	5100	3.8	mg/kg	10	06/09/04	06/14/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.8	1.0	0.040	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.16 B	5.1	0.051	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.81 B	2.5	0.045	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	449	10	0.72	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	3.2 B	10	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1520	510	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	20.4	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0087 B	0.086	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.87 B	4.0	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	100 B	510	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.061 U	1.0	0.061	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	303 B	510	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.0 B	5.1	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.4 B	5.1	0.048	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	1.1 B	2.0	0.060	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3841
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

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Report of Analysis

Client Sample ID:	KW-DUP-03-0604		
Lab Sample ID:	F24649-15	Date Sampled:	06/06/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	97.7
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	572	20	0.65	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	5.9	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.2	0.49	0.28	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	7.7 B	20	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.057 B	0.49	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.14 B	0.39	0.030	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	227000	4900	3.7	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.2	0.98	0.039	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.13 B	4.9	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	4.5	2.5	0.043	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	712	9.8	0.70	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	20.1	9.8	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1520	490	0.97	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	22.3	1.5	0.016	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.011 B	0.085	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	1.1 B	3.9	0.11	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	109 B	490	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.059 U	0.98	0.059	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	258 B	490	14	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	0.98	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.7 B	4.9	0.15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.9	4.9	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	19.2	2.0	0.058	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6765
(5) Prep QC Batch: MP6769

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	KW-DUP-04-0604		
Lab Sample ID:	F24649-37	Date Sampled:	06/07/04
Matrix:	SO - Soil	Date Received:	06/08/04
		Percent Solids:	95.6
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	621	21	0.69	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.3	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.6	0.52	0.29	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.3 B	21	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.074 B	0.52	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.42	0.031	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	262000	5200	4.0	mg/kg	10	06/09/04	06/15/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.3	1.0	0.042	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.16 B	5.2	0.052	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.60 B	2.6	0.046	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	525	10	0.74	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	1.9 B	10	0.13	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1900	520	1.0	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	24.8	1.6	0.017	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0027 B	0.086	0.0019	mg/kg	1	06/10/04	06/11/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.89 B	4.2	0.12	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	107 B	520	1.4	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	40	21	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.063 U	1.0	0.063	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	200 B	520	15	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.0	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.2 B	5.2	0.16	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.0 B	5.2	0.049	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.75 B	2.1	0.062	mg/kg	1	06/09/04	06/10/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3837
(2) Instrument QC Batch: MA3838
(3) Instrument QC Batch: MA3844
(4) Prep QC Batch: MP6766
(5) Prep QC Batch: MP6770

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST. Laboratories

Percent Solids Raw Data Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: F24649-1 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-13C-06-0604

Wet Weight (Total)	5.59	g
Tare Weight	.98	g
Dry Weight (Total)	5.34	g
Solids, Percent	94.6	%

Sample: F24649-2 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-13C-12-0604

Wet Weight (Total)	5.81	g
Tare Weight	.98	g
Dry Weight (Total)	5.4	g
Solids, Percent	91.5	%

Sample: F24649-3 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-13C-24-0604

Wet Weight (Total)	6.47	g
Tare Weight	.99	g
Dry Weight (Total)	5.96	g
Solids, Percent	90.7	%

Sample: F24649-4 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-9C-06-0604

Wet Weight (Total)	5.38	g
Tare Weight	.97	g
Dry Weight (Total)	5.25	g
Solids, Percent	97.1	%

Sample: F24649-5 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-9C-12-0604

Wet Weight (Total)	6.3	g
Tare Weight	.98	g
Dry Weight (Total)	6.13	g
Solids, Percent	96.8	%

Sample: F24649-6 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-9C-24-0604

Wet Weight (Total)	7.73	g
Tare Weight	1	g
Dry Weight (Total)	7.4	g
Solids, Percent	95.1	%

Percent Solids Raw Data Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: F24649-7 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-5C-06-0604

Wet Weight (Total)	5.36	g
Tare Weight	1.01	g
Dry Weight (Total)	5.02	g
Solids, Percent	92.2	%

Sample: F24649-8 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-5C-12-0604

Wet Weight (Total)	5.5	g
Tare Weight	.98	g
Dry Weight (Total)	5.22	g
Solids, Percent	93.8	%

Sample: F24649-9 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-5C-24-0604

Wet Weight (Total)	5.19	g
Tare Weight	.97	g
Dry Weight (Total)	4.81	g
Solids, Percent	91	%

Sample: F24649-10 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-01C-06-0604

Wet Weight (Total)	6.35	g
Tare Weight	1.01	g
Dry Weight (Total)	6.19	g
Solids, Percent	97	%

Sample: F24649-11 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-01C-12-0604

Wet Weight (Total)	5.93	g
Tare Weight	1	g
Dry Weight (Total)	5.72	g
Solids, Percent	95.7	%

Sample: F24649-12 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-01C-24-0604

Wet Weight (Total)	5.22	g
Tare Weight	.98	g
Dry Weight (Total)	5.03	g
Solids, Percent	95.5	%

Percent Solids Raw Data Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: F24649-13 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: KW-DUP-01-0604

Wet Weight (Total)	6.81	g
Tare Weight	.98	g
Dry Weight (Total)	6.61	g
Solids, Percent	96.6	%

Sample: F24649-14 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: KW-DUP-02-0604

Wet Weight (Total)	5.78	g
Tare Weight	.96	g
Dry Weight (Total)	5.54	g
Solids, Percent	95	%

Sample: F24649-15 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: KW-DUP-03-0604

Wet Weight (Total)	6.24	g
Tare Weight	.97	g
Dry Weight (Total)	6.12	g
Solids, Percent	97.7	%

Sample: F24649-16 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-02C-06-0604

Wet Weight (Total)	5.28	g
Tare Weight	.97	g
Dry Weight (Total)	5.1	g
Solids, Percent	95.8	%

Sample: F24649-17 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-02C-12-0604

Wet Weight (Total)	7.96	g
Tare Weight	.96	g
Dry Weight (Total)	7.67	g
Solids, Percent	95.9	%

Sample: F24649-18 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-02C-24-0604

Wet Weight (Total)	6.11	g
Tare Weight	.98	g
Dry Weight (Total)	5.83	g
Solids, Percent	94.5	%

Percent Solids Raw Data Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: F24649-19 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-03C-06-0604

Wet Weight (Total)	8.08	g
Tare Weight	1	g
Dry Weight (Total)	7.93	g
Solids, Percent	97.9	%

Sample: F24649-20 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-03C-12-0604

Wet Weight (Total)	5.98	g
Tare Weight	.97	g
Dry Weight (Total)	5.83	g
Solids, Percent	97	%

Sample: F24649-21 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-03C-24-0604

Wet Weight (Total)	6.66	g
Tare Weight	.98	g
Dry Weight (Total)	6.47	g
Solids, Percent	96.7	%

Sample: F24649-22 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-04C-06-0604

Wet Weight (Total)	5.7	g
Tare Weight	.97	g
Dry Weight (Total)	5.6	g
Solids, Percent	97.9	%

Sample: F24649-23 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-04C-12-0604

Wet Weight (Total)	6.37	g
Tare Weight	.98	g
Dry Weight (Total)	6.13	g
Solids, Percent	95.5	%

Sample: F24649-24 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-04C-24-0604

Wet Weight (Total)	5.53	g
Tare Weight	1	g
Dry Weight (Total)	5.32	g
Solids, Percent	95.4	%

Percent Solids Raw Data Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: F24649-25 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-16C-06-0604

Wet Weight (Total)	5.17	g
Tare Weight	.98	g
Dry Weight (Total)	4.99	g
Solids, Percent	95.7	%

Sample: F24649-26 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-16C-12-0604

Wet Weight (Total)	5.08	g
Tare Weight	.96	g
Dry Weight (Total)	4.81	g
Solids, Percent	93.4	%

Sample: F24649-27 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-16C-24-0604

Wet Weight (Total)	6.08	g
Tare Weight	1.01	g
Dry Weight (Total)	5.71	g
Solids, Percent	92.7	%

Sample: F24649-28 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-12C-06-0604

Wet Weight (Total)	5.42	g
Tare Weight	.99	g
Dry Weight (Total)	5.33	g
Solids, Percent	98	%

Sample: F24649-29 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-12C-12-0604

Wet Weight (Total)	5.04	g
Tare Weight	.96	g
Dry Weight (Total)	4.85	g
Solids, Percent	95.3	%

Sample: F24649-30 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-12C-24-0604

Wet Weight (Total)	6.91	g
Tare Weight	.98	g
Dry Weight (Total)	6.09	g
Solids, Percent	86.2	%

Percent Solids Raw Data Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: F24649-31 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-08C-06-0604

Wet Weight (Total)	7.46	g
Tare Weight	.96	g
Dry Weight (Total)	7.34	g
Solids, Percent	98.2	%

Sample: F24649-32 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-08C-12-0604

Wet Weight (Total)	6.03	g
Tare Weight	.98	g
Dry Weight (Total)	5.87	g
Solids, Percent	96.8	%

Sample: F24649-33 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-08C-24-0604

Wet Weight (Total)	6.85	g
Tare Weight	.98	g
Dry Weight (Total)	6.46	g
Solids, Percent	93.4	%

Sample: F24649-34 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-15C-06-0604

Wet Weight (Total)	6.56	g
Tare Weight	1.02	g
Dry Weight (Total)	6.43	g
Solids, Percent	97.7	%

Sample: F24649-35 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-15C-12-0604

Wet Weight (Total)	7.48	g
Tare Weight	.96	g
Dry Weight (Total)	7.18	g
Solids, Percent	95.4	%

Sample: F24649-36 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-15C-24-0604

Wet Weight (Total)	6.39	g
Tare Weight	.95	g
Dry Weight (Total)	5.35	g
Solids, Percent	80.9	%

Percent Solids Raw Data Summary

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: F24649-37 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: KW-DUP-04-0604

Wet Weight (Total)	8.02	g
Tare Weight	.96	g
Dry Weight (Total)	7.71	g
Solids, Percent	95.6	%

Sample: F24649-38 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-14C-06-0604

Wet Weight (Total)	6.32	g
Tare Weight	.96	g
Dry Weight (Total)	6.22	g
Solids, Percent	98.1	%

Sample: F24649-39 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-14C-12-0604

Wet Weight (Total)	7.58	g
Tare Weight	1.01	g
Dry Weight (Total)	7.35	g
Solids, Percent	96.5	%

Sample: F24649-40 Analyzed: 09-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-14C-24-0604

Wet Weight (Total)	5.99	g
Tare Weight	.98	g
Dry Weight (Total)	5.51	g
Solids, Percent	90.4	%

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG F24649

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
HG	MG/KG	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/10/2004	06/11/2004	3	1	4
HG	MG/KG	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/10/2004	06/11/2004	4	1	5
HG	MG/KG	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/10/2004	06/11/2004	5	1	6
M	MG/KG	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/09/2004	06/14/2004	3	5	8
M	MG/KG	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/09/2004	06/14/2004	3	5	8
M	MG/KG	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/09/2004	06/14/2004	3	5	8
M	MG/KG	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/09/2004	06/14/2004	3	5	8
M	MG/KG	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/09/2004	06/14/2004	3	5	8
M	MG/KG	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/09/2004	06/10/2004	4	1	5
M	MG/KG	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/09/2004	06/15/2004	2	6	8
M	MG/KG	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/09/2004	06/15/2004	3	6	9
M	MG/KG	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/09/2004	06/10/2004	3	1	4
M	MG/KG	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
M	MG/KG	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/09/2004	06/14/2004	4	5	9
M	MG/KG	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/09/2004	06/10/2004	2	1	3
PCS	%	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCS	%	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCS	%	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4
PCS	%	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
PCS	%	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/09/2004	06/09/2004	2	0	2
PCS	%	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/09/2004	06/09/2004	4	0	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCS	%	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/09/2004	06/09/2004	3	0	3
OS	%	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	%	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/15/2004	06/16/2004	8	1	9
OS	%	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	%	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	%	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	%	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9
OS	%	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9
OS	%	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9
OS	%	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	%	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	%	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	%	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/14/2004	06/16/2004	7	2	9
OS	%	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/14/2004	06/16/2004	7	2	9
OS	%	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	%	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-13C-12-0604	F24649-2	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-03C-12-0604	F24649-20	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	UG/KG	C03D-12C-12-0604	F24649-29	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-12C-06-0604	F24649-28	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-08C-24-0604	F24649-33	NM	06/07/2004	06/15/2004	06/16/2004	8	1	9
OS	UG/KG	C03D-08C-12-0604	F24649-32	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-08C-06-0604	F24649-31	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-04C-24-0604	F24649-24	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	UG/KG	C03D-04C-12-0604	F24649-23	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	UG/KG	C03D-14C-06-0604	F24649-38	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-03C-24-0604	F24649-21	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	UG/KG	C03D-13C-24-0604	F24649-3	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-03C-06-0604	F24649-19	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	C03D-02C-24-0604	F24649-18	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9
OS	UG/KG	C03D-02C-12-0604	F24649-17	NM	06/06/2004	06/11/2004	06/15/2004	5	4	9
OS	UG/KG	C03D-02C-06-0604	F24649-16	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	C03D-01C-24-0604	F24649-12	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	C03D-01C-12-0604	F24649-11	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	C03D-01C-06-0604	F24649-10	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	C03D-04C-06-0604	F24649-22	NM	06/06/2004	06/14/2004	06/15/2004	8	1	9
OS	UG/KG	C03D-16C-24-0604	F24649-27	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	KW-DUP-03-0604	F24649-15	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	KW-DUP-02-0604	F24649-14	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	KW-DUP-01-0604	F24649-13	NM	06/06/2004	06/11/2004	06/14/2004	5	3	8
OS	UG/KG	C03D-9C-24-0604	F24649-6	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-9C-12-0604	F24649-5	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-9C-06-0604	F24649-4	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-5C-24-0604	F24649-9	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-12C-24-0604	F24649-30	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-5C-06-0604	F24649-7	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9
OS	UG/KG	C03D-13C-06-0604	F24649-1	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	C03D-16C-12-0604	F24649-26	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-16C-06-0604	F24649-25	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-15C-24-0604	F24649-36	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-15C-12-0604	F24649-35	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-15C-06-0604	F24649-34	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-14C-24-0604	F24649-40	NM	06/07/2004	06/14/2004	06/16/2004	7	2	9
OS	UG/KG	C03D-14C-12-0604	F24649-39	NM	06/07/2004	06/14/2004	06/16/2004	7	2	9
OS	UG/KG	KW-DUP-04-0604	F24649-37	NM	06/07/2004	06/14/2004	06/15/2004	7	1	8
OS	UG/KG	C03D-5C-12-0604	F24649-8	NM	06/05/2004	06/11/2004	06/14/2004	6	3	9

#1

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

F24649

ACCUTEST JOB #:
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY, STATE, ZIP: Aiken SC 29803
SEND REPORT TO: PHONE # 803/649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West, Florida
PROJECT NO.: N0693 CTO 349
FAX # 803/642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	TAL Metals + Tin	TCL SVOCs	LAB USE ONLY
1	C03D-13C-06-0604	6/5/04	1215	GB	SO	1					X	X	X	
2	C03D-13-C-12-0604	6/5/04	1210											
3	C03D-13-C-24-0604		1205											
4	C03D-9C-06-0604		1248											
5	C03D-9C-12-0604		1248											
6	C03D-9C-24-0604		1248											
7	C03D-5C-06-0604		1604											
8	C03D-5C-12-0604		1604											
9	C03D-5C-24-0604		1604											

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Gary Bragg	6/7/04	1. FedEx	2. FedEx	6/8/04 9:00	2. 6/8/04 9:00
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE -1.2 C

4.1 4

F24649: Chain of Custody
Page 1 of 6

ACCUTEST Laboratories

#2

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24649
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY: Aiken STATE: SC ZIP: 29803
SEND REPORT TO:
PHONE #: 803/649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803/642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	TAL Metals + Sn	TCL SVOCs	LAB USE ONLY
10	C03D-01C-06-0604	6/6/04	0904	GB	SO	1				X	X	X	
11	C03D-01C-12-0604	↓	0904	↓	↓	↓				↓	✓	✓	
12	C03D-01C-24-0604		0904								✓	✓	
13	KW-DUP-01-0604		0000								✓	✓	
14	[redacted]-DUP-02 0604		0000								✓	✓	
15	[redacted]-DUP-03-0604		0000								✓	✓	
16	C03D-02C-06-0604		1032								✓	✓	
17	C03D-02C-12-0604		1032								✓	✓	
18	C03D-02C-24-0604		1032								✓	✓	
19	[redacted]D-03C-06-0604		1420 ~~1035~~								✓	✓	
20	[redacted]D-03C-12-0604	↓	1420	↓	↓	↓				↓	✓	✓	

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY-SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	6/7/04	1. FedEx	2. FedEx	6/8/04 9:00	2. [signature] 6/8/04 9:00
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE ~1.2 C

4.1 4

F24649: Chain of Custody
Page 2 of 6

ACCUTEST Laboratories

#3

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24649
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY: Aiken STATE: SC ZIP: 29803
SEND REPORT TO:
PHONE #: 803/649 7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803/642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NaOH	PRESERVATION NONE	TAL Metals + Sn	TCL SVOCs	LAB USE ONLY
21	C03D-03C-24-0604	6/6/04	1420	GB	SO	1					X	X	X	
22	C03D-04C-06-0604	↓	1501	↓	↓	↓					↓	↓	↓	
23	C03D-04C-12-0604		1501									↓	↓	
24	C03D-04C-24-0604	↓	1501	↓	↓	↓					↓	↓	↓	

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	6/7/04	1. FedEx	2. FedEx	6/8/04 9:00	2. [signature] 6/8/04
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL # -	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE -1.2 C

4.1 4

F24649: Chain of Custody
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ACCUTEST

#4

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24649
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY, STATE, ZIP: Aiken SC 29803
SEND REPORT TO:
PHONE #: 803/649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West, Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803/642-8454

ANALYTICAL INFORMATION

TAL Metals + Sn
TCL SVOCs

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	TAL Metals + Sn	TCL SVOCs	LAB USE ONLY
(25)	C03D-16C-06-0604	6/7/04	0955	GB	SO	1					X	X	X	
(26)	C03D-16C-12-0604	↓	↓	↓	↓	↓					↓	↓	↓	
(27)	C03D-16C-24-0604		↓									↓		
(28)	C03D-12C-06-0604		1055									↓		
(29)	C03D-12C-12-0604		↓									↓		
(30)	C03D-12C-24-0604		↓									↓		
(31)	C03D-08C-06-0604		1220									↓		
(32) (34)	C03D-08C-12-0604		1220									↓		
(32) (35)	C03D-08C-12-0604 MS		1220											
(32) (36)	C03D-08C-12-0604 MSD	↓	1220	↓	↓	↓					↓	↓	↓	

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	6/7/04	1. FedEx	2. FedEx	6/8/04 9:00	2. [signature] 6/8/04 9:00
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE -1.2 C

4.1 4

F24649: Chain of Custody
Page 4 of 6

ACCUTEST Laboratories

#5 ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24649
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY, STATE, ZIP: Aiken SC 29803
SEND REPORT TO:
PHONE #: 803/649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West, Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803/642-8454

ANALYTICAL INFORMATION: TAL Metals + Sn; TCL SVOCs

MATRIX CODES: DW - DRINKING WATER; GW - GROUND WATER; WW - WASTE WATER; SO - SOIL; SL - SLUDGE; OI - OIL; LIQ - OTHER LIQUID; SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	HNO3	H2SO4	NONE	TAL Metals + Sn	TCL SVOCs
31	C03D-08C-24-0604	6/7/04	1220	GB	SO	1				X	X	X
32	C03D-07C-24-0604 MS	↓	1220	↓		1				↓	↓	↓
33	C03D-08C-24-0604 MSD		1220			2						
34	C03D-15C-06-0604		1525			2					✓	
35	C03D-15C-12-0604		1525			2					✓	
36	C03D-15C-24-0604		1525			2					✓	
37	KW-DUP-04-0604		0000			2					✓	
38	C03D-14C-06-0604		1610			2					✓	
39	C03D-14C-06 12-0604		1610			2					✓	
40 (38)	C03D-14C-24-0604	↓	1610	↓		2				↓	✓	✓
	MM 6/8/04											

LAB USE ONLY

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	6/07/04	1. FedEx	2. FedEx	6/8/04 9:00	2. [signature] 6/8/04
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE -1.2 C

4.1 4

Southeast
ACCUTEST
Laboratories

06/23/04

Technical Report for

Tetra Tech, NUS

NAS Key West/CTO 349; Key West, FL

N0693-WR446(SS)

Accutest Job Number: F24649

Sampling Dates: 06/05/04 - 06/07/04

Report to:

Total number of pages in report: 303

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Tetra Tech, NUS **Job No:** F24649

Site: NAS Key West/CTO 349; Key West, FL **Report Date** 6/21/04 9:48:50 AM

40 Samples were collected on between 06/05/2004 and 06/07/2004 and were received at Accutest on 06/08/2004 properly preserved, at 1.2 Deg. C and intact. These Samples received an Accutest job number of F24649. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GCMS By Method SW846 8270C

Matrix: SO **Batch ID:** OP10656

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F24649-4MS, F24649-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP10674

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24649-32MS, F24649-32MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** OP10685

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24685-6MS, F24685-6MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP6765

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24649-32DUP, F24649-32MS, F24649-32MSD, F24649-32SDL were used as the QC samples for metals.

Matrix Spike Recovery and Matrix Spike Duplicate Recovery for Potassium are outside control limits. Spike recoverys indicate possible matrix interference and/or sample nonhomogeneity.
RPDs for Duplicate for Cobalt, Copper, Lead, Silver are outside control limits for sample MP6765-D1. RPD acceptable due to low duplicate and sample concentrations.

RPDs for Serial Dilution for Arsenic, Cobalt, Copper, Lead, Nickel, Sodium, Calcium, Magnesium, Potassium are outside control limits for sample MP6765-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL) for Arsenic, Cobalt, Copper, Lead, Nickel, Sodium.

MP6765-SD1 for Calcium, Magnesium, Potassium: Serial dilution indicates possible matrix interference.

F24649-18 for Selenium: Elevated reporting limits due to matrix interference.

F24649-2 for Selenium: Elevated reporting limits due to matrix interference.

F24649-1 for Selenium: Elevated reporting limits due to matrix interference.

F24649-4 for Selenium: Elevated reporting limits due to matrix interference.

F24649-32 for Selenium: Elevated reporting limits due to matrix interference.

F24649-6 for Selenium: Elevated reporting limits due to matrix interference.

F24649-19 for Selenium: Elevated reporting limits due to matrix interference.

F24649-11 for Selenium: Elevated reporting limits due to matrix interference.

F24649-16 for Selenium: Elevated reporting limits due to matrix interference.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP6765

F24649-10 for Selenium: Elevated reporting limits due to matrix interference.

F24649-9 for Selenium: Elevated reporting limits due to matrix interference.

F24649-7 for Selenium: Elevated reporting limits due to matrix interference.

F24649-17 for Selenium: Elevated reporting limits due to matrix interference.

F24649-5 for Selenium: Elevated reporting limits due to matrix interference.

F24649-12 for Selenium: Elevated reporting limits due to matrix interference.

F24649-13 for Selenium: Elevated reporting limits due to matrix interference.

F24649-14 for Selenium: Elevated reporting limits due to matrix interference.

F24649-15 for Selenium: Elevated reporting limits due to matrix interference.

F24649-3 for Selenium: Elevated reporting limits due to matrix interference.

F24649-8 for Selenium: Elevated reporting limits due to matrix interference.

Matrix: SO **Batch ID:** MP6766

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24649-33DUP, F24649-33MS, F24649-33MSD, F24649-33SDL were used as the QC samples for metals.

Matrix Spike Recoverys for Antimony, Barium, Potassium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery for Potassium is outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Recovery for Calcium is outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

RPDs for Duplicate for Barium, Lead, Zinc, Cobalt, Sodium are outside control limits for sample MP6766-D1 for Barium, Lead, Zinc. High RPD due to possible sample nonhomogeneity.

MP6766-D1 for Sodium: RPD acceptable due to low duplicate and sample concentrations.

MP6766-D1 for Cobalt: RPD acceptable due to low duplicate and sample concentrations.

RPDs for Serial Dilution for Arsenic, Cadmium, Nickel, Tin, Calcium, Chromium, Iron, Lead, Magnesium, Manganese, Potassium, Zinc are outside control limits for sample MP6766-SD1, MP6766-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL) for Arsenic, Cadmium, Nickel, Tin.

MP6766-SD1 for Calcium, Chromium, Iron, Lead, Magnesium, Manganese, Potassium, Zinc: Serial dilution indicates possible matrix interference.

F24649-37 for Selenium: Elevated reporting limits due to matrix interference.

F24649-36 for Selenium: Elevated reporting limits due to matrix interference.

F24649-35 for Selenium: Elevated reporting limits due to matrix interference.

F24649-34 for Selenium: Elevated reporting limits due to matrix interference.

F24649-40 for Selenium: Elevated reporting limits due to matrix interference.

F24649-31 for Selenium: Elevated reporting limits due to matrix interference.

F24649-38 for Selenium: Elevated reporting limits due to matrix interference.

F24649-33 for Selenium: Elevated reporting limits due to matrix interference.

F24649-39 for Selenium: Elevated reporting limits due to matrix interference.

Metals By Method SW846 7471A

Matrix: SO **Batch ID:** MP6769

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24649-32DUP, F24649-32MS, F24649-32MSD were used as the QC samples for metals.

Matrix: SO **Batch ID:** MP6770

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24649-33DUP, F24649-33MS, F24649-33MSD were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN14752

Sample F24649-3DUP was used as the QC sample for Solids, Percent.

Matrix: SO **Batch ID:** GN14753

Sample F24649-21DUP was used as the QC sample for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: June 21, 2004

Ellen Pampel, Inorganic QA (signature on file)

Monday, June 21, 2004

Sample Summary

Tetra Tech, NUS

Job No: F24649

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F24649-1	06/05/04	12:15 GB	06/08/04	SO	Soil	C03D-13C-06-0604
F24649-2	06/05/04	12:10 GB	06/08/04	SO	Soil	C03D-13C-12-0604
F24649-3	06/05/04	12:05 GB	06/08/04	SO	Soil	C03D-13C-24-0604
F24649-4	06/05/04	12:48 GB	06/08/04	SO	Soil	C03D-9C-06-0604
F24649-5	06/05/04	12:48 GB	06/08/04	SO	Soil	C03D-9C-12-0604
F24649-6	06/05/04	12:48 GB	06/08/04	SO	Soil	C03D-9C-24-0604
F24649-7	06/05/04	16:04 GB	06/08/04	SO	Soil	C03D-5C-06-0604
F24649-8	06/05/04	16:04 GB	06/08/04	SO	Soil	C03D-5C-12-0604
F24649-9	06/05/04	16:04 GB	06/08/04	SO	Soil	C03D-5C-24-0604
F24649-10	06/06/04	09:04 GB	06/08/04	SO	Soil	C03D-01C-06-0604
F24649-11	06/06/04	09:04 GB	06/08/04	SO	Soil	C03D-01C-12-0604
F24649-12	06/06/04	09:04 GB	06/08/04	SO	Soil	C03D-01C-24-0604
F24649-13	06/06/04	00:00 GB	06/08/04	SO	Soil	KW-DUP-01-0604

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F24649

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F24649-14	06/06/04	00:00 GB	06/08/04	SO	Soil	KW-DUP-02-0604
F24649-15	06/06/04	00:00 GB	06/08/04	SO	Soil	KW-DUP-03-0604
F24649-16	06/06/04	10:32 GB	06/08/04	SO	Soil	C03D-02C-06-0604
F24649-17	06/06/04	10:32 GB	06/08/04	SO	Soil	C03D-02C-12-0604
F24649-18	06/06/04	10:32 GB	06/08/04	SO	Soil	C03D-02C-24-0604
F24649-19	06/06/04	14:20 GB	06/08/04	SO	Soil	C03D-03C-06-0604
F24649-20	06/06/04	14:20 GB	06/08/04	SO	Soil	C03D-03C-12-0604
F24649-21	06/06/04	14:20 GB	06/08/04	SO	Soil	C03D-03C-24-0604
F24649-22	06/06/04	15:01 GB	06/08/04	SO	Soil	C03D-04C-06-0604
F24649-23	06/06/04	15:01 GB	06/08/04	SO	Soil	C03D-04C-12-0604
F24649-24	06/06/04	15:01 GB	06/08/04	SO	Soil	C03D-04C-24-0604
F24649-25	06/07/04	09:55 GB	06/08/04	SO	Soil	C03D-16C-06-0604
F24649-26	06/07/04	09:55 GB	06/08/04	SO	Soil	C03D-16C-12-0604

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Accutest Laboratories

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F24649

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F24649-27	06/07/04	09:55 GB	06/08/04	SO	Soil	C03D-16C-24-0604
F24649-28	06/07/04	10:55 GB	06/08/04	SO	Soil	C03D-12C-06-0604
F24649-29	06/07/04	10:55 GB	06/08/04	SO	Soil	C03D-12C-12-0604
F24649-30	06/07/04	10:55 GB	06/08/04	SO	Soil	C03D-12C-24-0604
F24649-31	06/07/04	12:20 GB	06/08/04	SO	Soil	C03D-08C-06-0604
F24649-32	06/07/04	12:20 GB	06/08/04	SO	Soil	C03D-08C-12-0604
F24649-32D	06/07/04	12:20 GB	06/08/04	SO	Soil Dup/MSD	C03D-08C-12-0604
F24649-32S	06/07/04	12:20 GB	06/08/04	SO	Soil Matrix Spike	C03D-08C-12-0604
F24649-33	06/07/04	12:20 GB	06/08/04	SO	Soil	C03D-08C-24-0604
F24649-33D	06/07/04	12:20 GB	06/08/04	SO	Soil Dup/MSD	C03D-08C-24-0604
F24649-33S	06/07/04	12:20 GB	06/08/04	SO	Soil Matrix Spike	C03D-08C-24-0604
F24649-34	06/07/04	15:25 GB	06/08/04	SO	Soil	C03D-15C-06-0604
F24649-35	06/07/04	15:45 GB	06/08/04	SO	Soil	C03D-15C-12-0604

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F24649

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F24649-36	06/07/04	15:45 GB	06/08/04	SO	Soil	C03D-15C-24-0604
F24649-37	06/07/04	00:00 GB	06/08/04	SO	Soil	KW-DUP-04-0604
F24649-38	06/07/04	16:10 GB	06/08/04	SO	Soil	C03D-14C-06-0604
F24649-39	06/07/04	16:10 GB	06/08/04	SO	Soil	C03D-14C-12-0604
F24649-40	06/07/04	16:10 GB	06/08/04	SO	Soil	C03D-14C-24-0604

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3837 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	40200	100.5	40000	40900	102.3	40000	40300	100.8
Antimony	2000	2010	100.5	2000	2040	102.0	2000	2060	103.0
Arsenic	2000	1940	97.0	2000	1990	99.5	2000	2030	101.5
Barium	2000	2040	102.0	2000	2060	103.0	2000	2040	102.0
Beryllium	2000	2040	102.0	2000	2090	104.5	2000	2090	104.5
Cadmium	2000	2050	102.5	2000	2100	105.0	2000	2120	106.0
Calcium	40000	41400	103.5	40000	42200	105.5	40000	42600	106.5
Chromium	2000	1960	98.0	2000	2000	100.0	2000	2010	100.5
Cobalt	2000	1990	99.5	2000	2040	102.0	2000	2060	103.0
Copper	2000	1910	95.5	2000	1940	97.0	2000	1920	96.0
Iron	40000	41200	103.0	40000	42100	105.3	40000	42300	105.8
Lead	2000	2020	101.0	2000	2060	103.0	2000	2080	104.0
Magnesium	40000	41000	102.5	40000	41900	104.8	40000	42300	105.8
Manganese	2000	2010	100.5	2000	2050	102.5	2000	2060	103.0
Molybdenum									
Nickel	2000	2050	102.5	2000	2100	105.0	2000	2130	106.5
Potassium	40000	38400	96.0	40000	38800	97.0	40000	38700	96.8
Selenium	2000	2030	101.5	2000	2090	104.5	2000	2120	106.0
Silver	250	251	100.4	250	254	101.6	250	251	100.4
Sodium	40000	39600	99.0	40000	40200	100.5	40000	40000	100.0
Thallium	2000	1860	93.0	2000	1910	95.5	2000	1920	96.0
Tin	2000	2020	101.0	2000	2070	103.5	2000	2110	105.5
Vanadium	2000	2030	101.5	2000	2070	103.5	2000	2070	103.5
Zinc	2000	2000	100.0	2000	2060	103.0	2000	2120	106.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3837 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	40300	100.8	40000	40100	100.3	40000	39700	99.3
Antimony	2000	2010	100.5	2000	1990	99.5	2000	2000	100.0
Arsenic	2000	1950	97.5	2000	1920	96.0	2000	1940	97.0
Barium	2000	2030	101.5	2000	2040	102.0	2000	2010	100.5
Beryllium	2000	2060	103.0	2000	2040	102.0	2000	2040	102.0
Cadmium	2000	2060	103.0	2000	2040	102.0	2000	2050	102.5
Calcium	40000	41400	103.5	40000	40800	102.0	40000	41300	103.3
Chromium	2000	1980	99.0	2000	1950	97.5	2000	1950	97.5
Cobalt	2000	2000	100.0	2000	1970	98.5	2000	1990	99.5
Copper	2000	1910	95.5	2000	1910	95.5	2000	1890	94.5
Iron	40000	41300	103.3	40000	40700	101.8	40000	40900	102.3
Lead	2000	2030	101.5	2000	1990	99.5	2000	2020	101.0
Magnesium	40000	41000	102.5	40000	40400	101.0	40000	40800	102.0
Manganese	2000	2010	100.5	2000	1990	99.5	2000	1990	99.5
Molybdenum									
Nickel	2000	2060	103.0	2000	2030	101.5	2000	2060	103.0
Potassium	40000	38100	95.3	40000	38300	95.8	40000	37900	94.8
Selenium	2000	2040	102.0	2000	2020	101.0	2000	2050	102.5
Silver	250	252	100.8	250	251	100.4	250	249	99.6
Sodium	40000	39300	98.3	40000	39200	98.0	40000	39300	98.3
Thallium	2000	1860	93.0	2000	1840	92.0	2000	1860	93.0
Tin	2000	2030	101.5	2000	2000	100.0	2000	2030	101.5
Vanadium	2000	2030	101.5	2000	2020	101.0	2000	2010	100.5
Zinc	2000	2010	100.5	2000	1970	98.5	2000	2010	100.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3837 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	40100	100.3	40000	40400	101.0	40000	40400	101.0
Antimony	2000	2040	102.0	2000	2040	102.0	2000	2060	103.0
Arsenic	2000	1990	99.5	2000	1990	99.5	2000	2030	101.5
Barium	2000	2040	102.0	2000	2050	102.5	2000	2050	102.5
Beryllium	2000	2070	103.5	2000	2060	103.0	2000	2060	103.0
Cadmium	2000	2090	104.5	2000	2060	103.0	2000	2090	104.5
Calcium	40000	41900	104.8	40000	41500	103.8	40000	42000	105.0
Chromium	2000	1980	99.0	2000	1970	98.5	2000	1980	99.0
Cobalt	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Copper	2000	1910	95.5	2000	1930	96.5	2000	1930	96.5
Iron	40000	41600	104.0	40000	41300	103.3	40000	41700	104.3
Lead	2000	2050	102.5	2000	2040	102.0	2000	2050	102.5
Magnesium	40000	41600	104.0	40000	41300	103.3	40000	41800	104.5
Manganese	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Molybdenum									
Nickel	2000	2100	105.0	2000	2090	104.5	2000	2110	105.5
Potassium	40000	38600	96.5	40000	39200	98.0	40000	39400	98.5
Selenium	2000	2090	104.5	2000	2070	103.5	2000	2110	105.5
Silver	250	252	100.8	250	251	100.4	250	252	100.8
Sodium	40000	39900	99.8	40000	40300	100.8	40000	40400	101.0
Thallium	2000	1890	94.5	2000	1890	94.5	2000	1920	96.0
Tin	2000	2070	103.5	2000	2050	102.5	2000	2080	104.0
Vanadium	2000	2040	102.0	2000	2040	102.0	2000	2050	102.5
Zinc	2000	2070	103.5	2000	2030	101.5	2000	2070	103.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3837 Units: ug/l

Metal	CCV True	CCV Results	% Rec
Aluminum	40000	40600	101.5
Antimony	2000	2080	104.0
Arsenic	2000	2080	104.0
Barium	2000	2050	102.5
Beryllium	2000	2090	104.5
Cadmium	2000	2130	106.5
Calcium	40000	42800	107.0
Chromium	2000	2010	100.5
Cobalt	2000	2080	104.0
Copper	2000	1930	96.5
Iron	40000	42400	106.0
Lead	2000	2080	104.0
Magnesium	40000	42600	106.5
Manganese	2000	2070	103.5
Molybdenum			
Nickel	2000	2150	107.5
Potassium	40000	39400	98.5
Selenium	2000	2140	107.0
Silver	250	252	100.8
Sodium	40000	40900	102.3
Thallium	2000	1940	97.0
Tin	2000	2130	106.5
Vanadium	2000	2070	103.5
Zinc	2000	2140	107.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611S1.PRN Date Analyzed: 06/11/04 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA3838 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Mercury	3.0	3.0	100.0	3.0	2.9	96.7	3.0	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

6.2.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611S1.PRN Date Analyzed: 06/11/04 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA3838 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Mercury	3.0	3.1	103.3	3.0	3.1	103.3	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

6.2.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611S1.PRN Date Analyzed: 06/11/04 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA3838 Units: ug/l

Metal	CCV True	CCV Results	% Rec
Mercury	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

6.2.2

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3841 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	40000	41400	103.5	40000	41600	104.0	40000	41500	103.8
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Tin	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3841 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	40000	40800	102.0	40000	40800	102.0	40000	39800	99.5
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Tin	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3841 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	40000	40900	102.3	40000	41500	103.8	40000	41300	103.3
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Tin	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3841 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	40000	41100	102.8	40000	41000	102.5	40000	42500	106.3
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Tin	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC Date Analyzed: 06/15/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3844 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium	anr								
Calcium	40000	42700	106.8	40000	40800	102.0	40000	40400	101.0
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel									
Potassium	anr								
Selenium									
Silver	anr								
Sodium	anr								
Thallium									
Tin									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC Date Analyzed: 06/15/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3844 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium	anr								
Calcium	40000	40300	100.8	40000	42000	105.0	40000	42000	105.0
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel									
Potassium	anr								
Selenium									
Silver	anr								
Sodium	anr								
Thallium									
Tin									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC Date Analyzed: 06/15/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3844 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium	anr								
Calcium	40000	41700	104.3	40000	41000	102.5	40000	40800	102.0
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel									
Potassium	anr								
Selenium									
Silver	anr								
Sodium	anr								
Thallium									
Tin									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC Date Analyzed: 06/15/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3844 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium	anr								
Calcium	40000	40900	102.3	40000	40600	101.5	40000	39700	99.3
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel									
Potassium	anr								
Selenium									
Silver	anr								
Sodium	anr								
Thallium									
Tin									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

QC Batch ID: MP6765
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 06/09/04

Metal	RL	IDL	MB raw	final
Aluminum	20	.66	-0.85	<20
Antimony	6.0	.15	-0.39	<6.0
Arsenic	0.50	.28	-0.36	<0.50
Barium	20	.05	-0.057	<20
Beryllium	0.50	.03	-0.091	<0.50
Cadmium	0.40	.03	-0.082	<0.40
Calcium	500	.38	2.1	<500
Chromium	1.0	.04	-0.047	<1.0
Cobalt	5.0	.05	-0.076	<5.0
Copper	2.5	.044	-0.023	<2.5
Iron	10	.71	-1.0	<10
Lead	10	.12	0.051	<10
Magnesium	500	.99	-0.93	<500
Manganese	1.5	.016	-0.064	<1.5
Molybdenum	5.0	.075		
Nickel	4.0	.11	-0.087	<4.0
Potassium	500	1.4	1.3	<500
Selenium	10	.2	-0.049	<10
Silver	1.0	.06	0.019	<1.0
Sodium	500	15	1.8	<500
Thallium	1.0	.15	0.025	<1.0
Tin	5.0	.15	-0.098	<5.0
Vanadium	5.0	.047	-0.046	<5.0
Zinc	2.0	.059	0.0060	<2.0

Associated samples MP6765: F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19, F24649-32

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

QC Batch ID: MP6766
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 06/09/04

Metal	RL	IDL	MB raw	final
Aluminum	20	.66	0.31	<20
Antimony	6.0	.15	-0.45	<6.0
Arsenic	0.50	.28	-0.21	<0.50
Barium	20	.05	-0.055	<20
Beryllium	0.50	.03	-0.047	<0.50
Cadmium	0.40	.03	-0.087	<0.40
Calcium	500	.38	53.5	<500
Chromium	1.0	.04	-0.076	<1.0
Cobalt	5.0	.05	-0.050	<5.0
Copper	2.5	.044	-0.057	<2.5
Iron	10	.71	0.32	<10
Lead	10	.12	0.066	<10
Magnesium	500	.99	-0.56	<500
Manganese	1.5	.016	-0.064	<1.5
Molybdenum	5.0	.075		
Nickel	4.0	.11	-0.077	<4.0
Potassium	500	1.4	-0.24	<500
Selenium	10	.2	-0.18	<10
Silver	1.0	.06	0.017	<1.0
Sodium	500	15	-9.9	<500
Thallium	1.0	.15	0.074	<1.0
Tin	5.0	.15	-0.045	<5.0
Vanadium	5.0	.047	-0.071	<5.0
Zinc	2.0	.059	0.042	<2.0

Associated samples MP6766: F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-33, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

QC Batch ID: MP6769
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 06/10/04

Metal	RL	IDL	MB raw	final
Mercury	0.083	.0018	-0.0039	<0.083

Associated samples MP6769: F24649-1, F24649-2, F24649-3, F24649-4, F24649-5, F24649-6, F24649-7, F24649-8, F24649-9, F24649-10, F24649-11, F24649-12, F24649-13, F24649-14, F24649-15, F24649-16, F24649-17, F24649-18, F24649-19, F24649-32

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

QC Batch ID: MP6770
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 06/10/04

Metal	RL	IDL	MB raw	final
Mercury	0.083	.0018	-0.0037	<0.083

Associated samples MP6770: F24649-20, F24649-21, F24649-22, F24649-23, F24649-24, F24649-25, F24649-26, F24649-27, F24649-28, F24649-29, F24649-30, F24649-31, F24649-33, F24649-34, F24649-35, F24649-36, F24649-37, F24649-38, F24649-39, F24649-40

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.8.1

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3837 Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	0.99	<200	13.7	<200	10.6	<200	-0.16	<200
Antimony	5.0	1.5	-1.8	<5.0	-3.5	<5.0	-3.6	<5.0	-2.2	<5.0
Arsenic	10	2.8	-2.0	<10	-1.2	<10	-0.39	<10	-0.64	<10
Barium	200	.5	-0.11	<200	-0.27	<200	-0.30	<200	-0.28	<200
Beryllium	4.0	.3	-0.13	<4.0	-0.27	<4.0	0.020	<4.0	-0.48	<4.0
Cadmium	5.0	.3	-0.24	<5.0	-0.45	<5.0	-0.46	<5.0	-0.54	<5.0
Calcium	1000	3.8	-0.34	<1000	6.2	<1000	4.0	<1000	1.0	<1000
Chromium	10	.4	-0.25	<10	-0.26	<10	-0.62	<10	-0.37	<10
Cobalt	50	.5	-0.27	<50	-0.39	<50	-0.20	<50	-0.41	<50
Copper	25	.44	0.20	<25	-0.30	<25	-0.36	<25	0.27	<25
Iron	300	7.1	0.050	<300	13.6	<300	15.3	<300	26.3	<300
Lead	5.0	1.2	1.6	<5.0	1.9	<5.0	0.42	<5.0	1.5	<5.0
Magnesium	5000	9.9	-2.4	<5000	4.7	<5000	-6.0	<5000	-5.1	<5000
Manganese	15	.16	-0.19	<15	-0.36	<15	-0.39	<15	-0.37	<15
Molybdenum	50	.75								
Nickel	40	1.1	-0.63	<40	-0.20	<40	-1.1	<40	-0.91	<40
Potassium	5000	14	6.8	<5000	2.9	<5000	3.0	<5000	3.3	<5000
Selenium	10	2	1.6	<10	1.1	<10	2.8	<10	-0.58	<10
Silver	10	.6	-0.35	<10	0.0	<10	-0.030	<10	0.040	<10
Sodium	5000	150	-66	<5000	-43	<5000	-90	<5000	-70	<5000
Thallium	10	1.5	1.2	<10	2.5	<10	1.7	<10	0.73	<10
Tin	50	1.5	-0.49	<50	1.0	<50	3.4	<50	2.9	<50
Vanadium	50	.47	-0.26	<50	-0.22	<50	-0.38	<50	-0.38	<50
Zinc	20	.59	-0.16	<20	-0.12	<20	-0.25	<20	-0.24	<20

(*) Outside of QC limits
(anr) Analyte not requested

6.1.2

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3837 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	2.5	<200	14.1	<200	16.5	<200	24.8	<200
Antimony	5.0	1.5	-3.6	<5.0	-2.3	<5.0	-4.2	<5.0	-3.4	<5.0
Arsenic	10	2.8	0.45	<10	1.2	<10	-1.3	<10	0.75	<10
Barium	200	.5	-0.27	<200	-0.22	<200	-0.33	<200	-0.13	<200
Beryllium	4.0	.3	-0.40	<4.0	-0.16	<4.0	-0.070	<4.0	0.010	<4.0
Cadmium	5.0	.3	-0.47	<5.0	-0.41	<5.0	-0.63	<5.0	-0.44	<5.0
Calcium	1000	3.8	53.6	<1000	86.2	<1000	52.9	<1000	70.0	<1000
Chromium	10	.4	-0.56	<10	-0.23	<10	-0.67	<10	-0.19	<10
Cobalt	50	.5	-0.36	<50	-0.40	<50	-0.64	<50	-0.29	<50
Copper	25	.44	0.060	<25	0.090	<25	-0.41	<25	-0.010	<25
Iron	300	7.1	14.9	<300	33.7	<300	30.6	<300	23.3	<300
Lead	5.0	1.2	0.12	<5.0	1.8	<5.0	1.8	<5.0	1.5	<5.0
Magnesium	5000	9.9	-6.5	<5000	-3.7	<5000	-6.1	<5000	-3.4	<5000
Manganese	15	.16	-0.37	<15	-0.30	<15	-0.35	<15	-0.29	<15
Molybdenum	50	.75								
Nickel	40	1.1	-0.66	<40	-0.71	<40	-0.71	<40	-0.91	<40
Potassium	5000	14	5.2	<5000	-14	<5000	7.8	<5000	4.7	<5000
Selenium	10	2	3.1	<10	2.0	<10	4.0	<10	1.5	<10
Silver	10	.6	-0.65	<10	-0.36	<10	0.050	<10	-0.38	<10
Sodium	5000	150	-87	<5000	-120	<5000	-260	<5000	-110	<5000
Thallium	10	1.5	3.3	<10	2.8	<10	2.6	<10	5.9	<10
Tin	50	1.5	3.9	<50	6.0	<50	3.8	<50	4.2	<50
Vanadium	50	.47	-0.41	<50	0.060	<50	-0.46	<50	0.050	<50
Zinc	20	.59	-0.35	<20	0.050	<20	-0.090	<20	-0.080	<20

(*) Outside of QC limits
(anr) Analyte not requested

6.1.2

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3837 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final
Aluminum	200	6.6	33.2	<200	33.7	<200
Antimony	5.0	1.5	-3.2	<5.0	-1.8	<5.0
Arsenic	10	2.8	0.44	<10	-0.26	<10
Barium	200	.5	-0.23	<200	-0.24	<200
Beryllium	4.0	.3	0.18	<4.0	0.28	<4.0
Cadmium	5.0	.3	-0.37	<5.0	-0.33	<5.0
Calcium	1000	3.8	72.3	<1000	74.2	<1000
Chromium	10	.4	-0.14	<10	-0.050	<10
Cobalt	50	.5	-0.29	<50	-0.42	<50
Copper	25	.44	0.15	<25	0.0	<25
Iron	300	7.1	36.7	<300	23.6	<300
Lead	5.0	1.2	0.72	<5.0	1.3	<5.0
Magnesium	5000	9.9	-0.23	<5000	-3.5	<5000
Manganese	15	.16	-0.27	<15	-0.32	<15
Molybdenum	50	.75				
Nickel	40	1.1	-0.45	<40	-1.1	<40
Potassium	5000	14	11.8	<5000	4.5	<5000
Selenium	10	2	1.7	<10	0.98	<10
Silver	10	.6	0.89	<10	-0.53	<10
Sodium	5000	150	24.1	<5000	-90	<5000
Thallium	10	1.5	4.2	<10	3.6	<10
Tin	50	1.5	4.2	<50	4.2	<50
Vanadium	50	.47	0.21	<50	-0.030	<50
Zinc	20	.59	0.17	<20	0.040	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611S1.PRN Date Analyzed: 06/11/04 Methods: SW846 7471A
QC Limits: result < RL Run ID: MA3838 Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Mercury	1.0	.022	-0.054	<1.0	-0.056	<1.0	-0.053	<1.0	-0.047	<1.0

(*) Outside of QC limits
(anr) Analyte not requested

6.2.1

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611S1.PRN Date Analyzed: 06/11/04 Methods: SW846 7471A
QC Limits: result < RL Run ID: MA3838 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final
Mercury	1.0	.022	-0.047	<1.0	-0.042	<1.0	-0.048	<1.0

(*) Outside of QC limits
(anr) Analyte not requested

6.2.1

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3841 Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	anr							
Antimony	5.0	1.5	anr							
Arsenic	10	2.8	anr							
Barium	200	.5	anr							
Beryllium	4.0	.3	anr							
Cadmium	5.0	.3	anr							
Calcium	1000	3.8	-10	<1000	0.63	<1000	-7.6	<1000	-6.8	<1000
Chromium	10	.4	anr							
Cobalt	50	.5	anr							
Copper	25	.44	anr							
Iron	300	7.1	anr							
Lead	5.0	1.2	anr							
Magnesium	5000	9.9	anr							
Manganese	15	.16	anr							
Molybdenum	50	.75	anr							
Nickel	40	1.1	anr							
Potassium	5000	14	anr							
Selenium	10	2	anr							
Silver	10	.6	anr							
Sodium	5000	150	anr							
Thallium	10	1.5	anr							
Tin	50	1.5	anr							
Vanadium	50	.47	anr							
Zinc	20	.59	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3841 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	anr							
Antimony	5.0	1.5	anr							
Arsenic	10	2.8	anr							
Barium	200	.5	anr							
Beryllium	4.0	.3	anr							
Cadmium	5.0	.3	anr							
Calcium	1000	3.8	51.1	<1000	23.0	<1000	-6.9	<1000	-6.4	<1000
Chromium	10	.4	anr							
Cobalt	50	.5	anr							
Copper	25	.44	anr							
Iron	300	7.1	anr							
Lead	5.0	1.2	anr							
Magnesium	5000	9.9	anr							
Manganese	15	.16	anr							
Molybdenum	50	.75	anr							
Nickel	40	1.1	anr							
Potassium	5000	14	anr							
Selenium	10	2	anr							
Silver	10	.6	anr							
Sodium	5000	150	anr							
Thallium	10	1.5	anr							
Tin	50	1.5	anr							
Vanadium	50	.47	anr							
Zinc	20	.59	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3841 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	anr							
Antimony	5.0	1.5	anr							
Arsenic	10	2.8	anr							
Barium	200	.5	anr							
Beryllium	4.0	.3	anr							
Cadmium	5.0	.3	anr							
Calcium	1000	3.8	-19	<1000	-19	<1000	22.0	<1000	-20	<1000
Chromium	10	.4	anr							
Cobalt	50	.5	anr							
Copper	25	.44	anr							
Iron	300	7.1	anr							
Lead	5.0	1.2	anr							
Magnesium	5000	9.9	anr							
Manganese	15	.16	anr							
Molybdenum	50	.75	anr							
Nickel	40	1.1	anr							
Potassium	5000	14	anr							
Selenium	10	2	anr							
Silver	10	.6	anr							
Sodium	5000	150	anr							
Thallium	10	1.5	anr							
Tin	50	1.5	anr							
Vanadium	50	.47	anr							
Zinc	20	.59	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC Date Analyzed: 06/15/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3844 Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6								
Antimony	5.0	1.5								
Arsenic	10	2.8	anr							
Barium	200	.5								
Beryllium	4.0	.3								
Cadmium	5.0	.3	anr							
Calcium	1000	3.8	-4.2	<1000	11.2	<1000	1.8	<1000	7.3	<1000
Chromium	10	.4	anr							
Cobalt	50	.5								
Copper	25	.44								
Iron	300	7.1	anr							
Lead	5.0	1.2	anr							
Magnesium	5000	9.9	anr							
Manganese	15	.16	anr							
Molybdenum	50	.75								
Nickel	40	1.1								
Potassium	5000	14	anr							
Selenium	10	2								
Silver	10	.6	anr							
Sodium	5000	150	anr							
Thallium	10	1.5								
Tin	50	1.5								
Vanadium	50	.47								
Zinc	20	.59								

(*) Outside of QC limits
(anr) Analyte not requested

6.4.2

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC
QC Limits: result < RL

Date Analyzed: 06/15/04
Run ID: MA3844

Methods: SW846 6010B
Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6								
Antimony	5.0	1.5								
Arsenic	10	2.8	anr							
Barium	200	.5								
Beryllium	4.0	.3								
Cadmium	5.0	.3	anr							
Calcium	1000	3.8	8.3	<1000	17.1	<1000	55.9	<1000	24.5	<1000
Chromium	10	.4	anr							
Cobalt	50	.5								
Copper	25	.44								
Iron	300	7.1	anr							
Lead	5.0	1.2	anr							
Magnesium	5000	9.9	anr							
Manganese	15	.16	anr							
Molybdenum	50	.75								
Nickel	40	1.1								
Potassium	5000	14	anr							
Selenium	10	2								
Silver	10	.6	anr							
Sodium	5000	150	anr							
Thallium	10	1.5								
Tin	50	1.5								
Vanadium	50	.47								
Zinc	20	.59								

(*) Outside of QC limits
(anr) Analyte not requested

6.4.2

6

ACCUTEST Laboratories

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC Date Analyzed: 06/15/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3844 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6								
Antimony	5.0	1.5								
Arsenic	10	2.8	anr							
Barium	200	.5								
Beryllium	4.0	.3								
Cadmium	5.0	.3	anr							
Calcium	1000	3.8	15.2	<1000	25.3	<1000	25.6	<1000	22.8	<1000
Chromium	10	.4	anr							
Cobalt	50	.5								
Copper	25	.44								
Iron	300	7.1	anr							
Lead	5.0	1.2	anr							
Magnesium	5000	9.9	anr							
Manganese	15	.16	anr							
Molybdenum	50	.75								
Nickel	40	1.1								
Potassium	5000	14	anr							
Selenium	10	2								
Silver	10	.6	anr							
Sodium	5000	150	anr							
Thallium	10	1.5								
Tin	50	1.5								
Vanadium	50	.47								
Zinc	20	.59								

(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Instrument ID: LEEMANHG2 Effective Date: 08/26/02

Analyte	IDL ug/l
Mercury	.022

The above applies to the following instrument runs:
MA3838

Instrument Detection Limits

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Instrument ID: TJATRACE1 Effective Date: 04/15/02

Analyte	IDL ug/l
Aluminum	6.6
Antimony	1.5
Arsenic	2.8
Barium	.5
Beryllium	.3
Cadmium	.3
Calcium	3.8
Chromium	.4
Cobalt	.5
Copper	.44
Iron	7.1
Lead	1.2
Magnesium	9.9
Manganese	.16
Molybdenum	.75
Nickel	1.1
Potassium	13.8
Selenium	2
Silver	.6
Sodium	145
Thallium	1.5
Tin	1.5
Vanadium	.47
Zinc	.59

The above applies to the following instrument runs:
MA3837,MA3841,MA3844

Instrument Linear Ranges

Job Number: F24649
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Instrument ID: TJATRACE1 Effective Date: 10/03/03

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	100000
Arsenic	50000
Barium	100000
Beryllium	50000
Cadmium	50000
Calcium	500000
Chromium	100000
Cobalt	100000
Copper	100000
Iron	1000000
Lead	100000
Magnesium	1000000
Manganese	50000
Molybdenum	100000
Nickel	100000
Potassium	1000000
Selenium	100000
Silver	1000
Sodium	250000
Thallium	100000
Tin	100000
Vanadium	100000
Zinc	100000

The above applies to the following instrument runs:
MA3837,MA3841,MA3844

MP 6765

Metals Digestion Log: Soil

Method of Digestion: SW846-3050B

Temp: 93° Thermometer ID 200

Balance ID 74007

Filter Lot 170051-010(

Dig.Tube Lot# A311LS162

	HNO_3	HCl	H_2O_2
Added:			
Mfg:	Fisher	Fisher	Fisher
Lot#	1103080	410310	627488 exp 6/9

Sample #	Wt., g	Fin. Vol.	Date	Comments	Spk.Sol.*	Amount Used*
MB 6/9/04	.50	50 mL	6/9/04		1 Acc 333	.25ml
SB	.50				2 Acc 338	1.0 ml
MS F24649-32.2	.50			QC requested	3 Mut 1203	.5ml
MSD	.51					
Dup	.51					
1 QC	.49					
2 F24649-1.1	.51			rocks		
3 2.1	.49			rocks		
4 3.1	.49					
5 4.1	.51					
6 5.1	.49					
7 6.1	.49					
8 7.1	.51			rocky		
9 8.1	.50			rocky		
10 9.1	.50			rocky		
11 10.1	.51					
12 11.1	.50					
13 12.1	.50					
14 13.1	.51					
15 14.1	.52					
16 15.1	.52					
17 16.1	.49					
18 17.1	.49					
19 18.1	.51					
20 19.1	.50					

Analyst [signature] Date 6/9/04

QC Review [signature] Date 6/9/04

Rev. 11/08/02 DJM

* Used For SB, MS, MSD

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00 022

MP 6766

Metals Digestion Log: Soil

Method of Digestion: SW846-3050B

Temp: 93° Thermometer ID 200

Balance ID 74007

Filter Lot 170051-0101

Dig.Tube Lot# A 311L5162

	HNO_3	HCl	H_2O_2
Added:			
Mfg:	Fisher	Fisher	Fisher
Lot#	1103080	4103101	027488

Sample #	Wt., g	Fin. Vol.	Date	Comments	Spk.Sol.*	Amount Used*
MB 6/9/04	.50	50 mL	6/9/04		1 Acc 883	.25ml
SB	.50				2 Acc 338	1.0ml
MS F24649-33.1	.50			qc requested	3 Met 1203	.5ml
MSD	.50					
Dup	.51					
1 QC	.52					
2 F24649-20.1	.50					
3 21.1	.51					
4 22.1	.49			roots		
5 23.1	.49					
6 24.1	.52					
7 25.1	.51			roots		
8 26.1	.49					
9 27.1	.49					
10 28.1	.50					
11 29.1	.51					
12 30.1	.50			rocky		
13 31.1	.51					
14 ~~32.1~~ 6/9 39.1	.51					
15 ~~33.1~~ 40.1	.51					
16 34.1	.52					
17 35.1	.52					
18 36.1	.49					
19 37.2	.50					
20 38.1	.51					

Analyst [signature] Date 6/9/04

QC Review [signature] Date 6/9/04

Rev. 11/08/02 DJM

* Used For SB, MS, MSD

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00 023

Mercury Digestion Log Water or Soil or TCLP
(circle one)

Method of Digestion: SW846-7470A/7471A/EPA245.1 (circle one)

Temp., C: 95

Analyst: SSL

Thermometer #: Mercury

Date/Time Started: 06/10/04 8:45 / 9:30

Date/Time Ended: 06/10/04 9:15 / 10:00

*Digest solid matrices for 30 mins., aqueous matrices for 2 Hours.

MP# 6769

Reagents Added	HNO_3	HCL	H_2SO_4	$KMnO_4$	$K_2S_2O_8$	$SnCl_2$	H_3NOHCL
Manuf.	Fisher	Fisher	Fisher	Acros	Fisher	Acros	Acros
Lot#	1103080	4103101	N/A	MET1209	N/A	B0100590	MET1215
Dig.Tube Lot#	A311LS162						

Sample#	Wt.,g	Init.Vol.,mL	Final Vol.,mL	Comments
STD 1 0.10mL	0.60		50	
STD 2 0.5mL				
STD 3 1.5mL				
STD 4 2.5mL				
STD 5 3.0mL				
ICV				
ICB				
CRI				
CCV				
CCB				
Cal.Blank				
Method Blank				
Blank Spike				
MS F24649-32.2	0.61			
MSD	0.60			
Dup	0.61			
1 QC	0.60			
2 F24649-1.1	0.59			
3 -2.1	0.60			
4 -3.1	0.59			
5 -4.1	0.61			
6 -5.1	0.59			
7 -6.1	0.59			
8 -7.1	0.61			
9 -8.1	0.61			
10 -9.1	0.59			
11 -10.1	0.59			
12 -11.1	0.59			
13 -12.1	0.61			
14 -13.1	0.60			
15 -14.1	0.61			
16 -15.1	0.60			
17 -16.1	0.61			
18 -17.1	0.60			
19 -18.1	0.62			
20 -19.1	0.59			

Analysts Signature: Sherylee 06/10/04

Rev. Signature: O Metzger 6/11/04

10ppm int. met# 1211

10ppm 2nd met# 1212

100ppb(curve,bs,ms,msd,cri,ccv)met# 1213

100ppb 2nd(ICV) met# 1214

0715

Rev. 1/06/04 DM

Mercury Digestion Log Water or Soil or TCLP
(circle one)

Method of Digestion: SW846-7470A/7471A/EPA245.1 (circle one)

Temp., C: 95

Analyst: SSL

Thermometer #: Mercury

Date/Time Started: 06/10/04 11:30

Date/Time Ended: 06/10/04 12:00

*Digest solid matrices for 30 mins., aqueous matrices for 2 Hours.

MP# 6770

Reagents Added	HNO_3	HCL	H_2SO_4	$KMnO_4$	$K_2S_2O_8$	$SnCl_2$	H_3NOHCL
Manuf.	Fisher	Fisher	Fisher	Acros	Fisher	Acros	Acros
Lot#	1103080	410 3101	N/A	MET1209	N/A	B0106590	MET1215
Dig.Tube Lot#	A311LS162						

Sample#	Wt.,g	Init.Vol.,mL	Final Vol.,mL	Comments
STD 1 0.10mL				
STD 2 0.5mL				
STD 3 1.5mL				
STD 4 2.5mL				
STD 5 3.0mL				
ICV		SSL 06/10/04		
ICB				
CRI				
CCV				
CCB				
Cal.Blank				
Method Blank	0.600		50	
Blank Spike	↓			
MS F24649-33.1	0.61			
MSD	0.61			
Dup	0.600			
1QC	0.606			
2 F24649-20.1	0.61			
3 -21.1	0.600			
4 -22.1	0.60			
5 -23.1	0.600			
6 -24.1	0.59			
7 -25.1	0.59			
8 -26.1	0.61			
9 -27.1	0.61			
10 -28.1	0.600			
11 -29.1	0.606			
12 -30.1	0.61			
13 -31.1	0.606			
14 -34.2	0.62			
15 SSL 06/10/04 -35.1	0.61			
16 -36.1	0.59			
17 -37.2	0.61			
18 -38.1	0.61			
19 -39.1	0.59			
20 -40.2	0.59			

Analysts Signature: Shenyle 06/10/04

Rev. Signature: D. Nitzgen 6/11/04

10ppm int. met# 1211

10ppm 2nd met# 1212

100ppb(curve,bs,ms,msd,cri,ccv)met# 1213

100ppb 2nd(ICV) met# 1214

0716

Rev. 1/06/04 DM

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3837
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,Sn,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:52	MA3837-ICV1	1		
08:55	MA3837-ICB1	1		
08:58	MA3837-CRI1	1		
09:01	MA3837-ICSA1	1		
09:04	MA3837-ICSAB1	1		
09:06	MA3837-CCV1	1		
09:11	MA3837-CCB1	1		
09:14	MP6764-MB1	1		
09:21	MP6764-B1	1		
09:26	F24641-1	1		(sample used for QC only; not part of login F24649)
09:30	MP6764-D1	1		
09:33	MP6764-SD1	5		
09:37	MP6764-S1	1		
09:41	MP6764-S2	1		
09:45	ZZZZZZ	1		
09:48	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	MA3837-CCV2	1		
10:00	MA3837-CCB2	1		
10:07	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:14	ZZZZZZ	1		
10:18	ZZZZZZ	1		
10:22	ZZZZZZ	1		
10:25	ZZZZZZ	1		
10:29	ZZZZZZ	1		
10:32	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:39	ZZZZZZ	1		
10:43	MA3837-CCV3	1		
10:47	MA3837-CCB3	1		
10:51	ZZZZZZ	1		
10:54	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3837
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,Sn,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:58	ZZZZZZ	1		
11:01	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:08	MP6764-MB2	1		
11:12	MP6765-MB1	1		
11:15	MP6765-B1	1		
11:20	F24649-32	1		
11:23	MP6765-D1	1		
11:27	MA3837-CCV4	1		
11:31	MA3837-CCB4	1		
11:35	MP6765-SD1	5		
11:38	MP6765-S1	1		
11:42	MP6765-S2	1		
11:46	F24649-1	1		
11:50	F24649-2	1		
11:53	F24649-3	1		
11:57	F24649-4	1		
12:00	F24649-5	1		
12:04	F24649-6	1		
12:08	F24649-7	1		
12:11	MA3837-CCV5	1		
12:16	MA3837-CCB5	1		
12:19	F24649-8	1		
12:23	F24649-9	1		
12:26	F24649-10	1		
12:30	F24649-11	1		
12:33	F24649-12	1		
12:37	F24649-13	1		
12:40	F24649-14	1		
12:44	F24649-15	1		
12:47	F24649-16	1		
12:51	F24649-17	1		
12:54	MA3837-CCV6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3837
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,Sn,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:59	MA3837-CCB6	1		
13:02	F24649-18	1		
13:06	F24649-19	1		
13:09	MP6766-MB1	1		
13:13	MP6766-B1	1		
13:18	F24649-33	1		
13:22	MP6766-D1	1		
13:25	MP6766-SD1	5		
13:29	MP6766-S1	1		
13:32	MP6766-S2	1		
13:37	F24649-20	1		
13:40	MA3837-CCV7	1		
13:45	MA3837-CCB7	1		
13:48	F24649-21	1		
13:52	F24649-22	1		
13:55	F24649-23	1		
13:59	F24649-24	1		
14:03	F24649-25	1		
14:06	F24649-26	1		
14:10	F24649-27	1		
14:13	F24649-28	1		
14:17	F24649-29	1		
14:20	F24649-30	1		
14:24	MA3837-CCV8	1		
14:28	MA3837-CCB8	1		
14:32	F24649-31	1		
14:35	F24649-39	1		
14:39	F24649-40	1		
14:42	F24649-34	1		
14:46	F24649-35	1		
14:49	F24649-36	1		
14:53	F24649-37	1		
14:56	F24649-38	1		

----------> Last reportable sample/prep for job F24649

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061004.ASC Date Analyzed: 06/10/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3837
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,Sn,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:00	MA3837-CCV9	1		
15:04	MA3837-CCB9	1		

----------> Last reportable CCB for job F24649
Refer to raw data for calibration curve and standards.

6.1

6

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611S1.PRN Date Analyzed: 06/11/04 Methods: SW846 7471A
Analyst: SM Run ID: MA3838
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:43	MA3838-ICV1	1		
10:45	MA3838-ICB1	1		
10:48	MA3838-CRI1	1		
10:50	MA3838-CCV1	1		
10:52	MA3838-CCB1	1		
10:54	MP6769-MB1	1		
10:56	MP6769-B1	1		
10:57	F24649-32	1		
10:59	MP6769-D1	1		
11:01	MP6769-S1	1		
11:03	MP6769-S2	1		
11:05	F24649-1	1		
11:07	F24649-2	1		
11:09	F24649-3	1		
11:11	F24649-4	1		
11:13	MA3838-CCV2	1		
11:15	MA3838-CCB2	1		
11:16	F24649-5	1		
11:18	F24649-6	1		
11:20	F24649-7	1		
11:22	F24649-8	1		
11:25	F24649-9	1		
11:27	F24649-10	1		
11:28	F24649-11	1		
11:31	F24649-12	1		
11:33	F24649-13	1		
11:35	F24649-14	1		
11:36	MA3838-CCV3	1		
11:38	MA3838-CCB3	1		
11:40	F24649-15	1		
11:42	F24649-16	1		
11:43	F24649-17	1		
11:45	F24649-18	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611S1.PRN Date Analyzed: 06/11/04 Methods: SW846 7471A
Analyst: SM Run ID: MA3838
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:47	F24649-19	1		
11:49	MP6770-MB1	1		
11:51	MP6770-B1	1		
11:53	F24649-33	1		
11:55	MP6770-D1	1		
11:56	MP6770-S1	1		
11:59	MA3838-CCV4	1		
12:01	MA3838-CCB4	1		
12:03	MP6770-S2	1		
12:04	F24649-20	1		
12:07	F24649-21	1		
12:10	F24649-22	1		
12:12	F24649-23	1		
12:14	F24649-24	1		
12:15	F24649-25	1		
12:18	F24649-26	1		
12:19	F24649-27	1		
12:22	F24649-28	1		
12:24	MA3838-CCV5	1		
12:26	MA3838-CCB5	1		
12:28	F24649-29	1		
12:30	F24649-30	1		
12:31	F24649-31	1		
12:33	F24649-34	1		
12:35	F24649-35	1		
12:37	F24649-36	1		
12:39	F24649-37	1		
12:42	F24649-38	1		
12:44	F24649-39	1		
12:46	F24649-40	1		
---------->	Last reportable sample/prep for job F24649			
12:48	MA3838-CCV6	1		
12:50	MA3838-CCB6	1		
---------->	Last reportable CCB for job F24649			

Refer to raw data for calibration curve and standards.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3841
Parameters: Ca

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:07	MA3841-ICV1	1		
09:10	MA3841-ICB1	1		
09:12	MA3841-CRI1	1		
09:16	MA3841-ICSA1	1		
09:19	MA3841-ICSAB1	1		
09:22	MA3841-CCV1	1		
09:27	MA3841-CCB1	1		
09:30	MP6774-MB1	1		
09:34	MP6774-B1	1		
09:39	F24542-1	1		(sample used for QC only; not part of login F24649)
09:42	MP6774-D1	1		
09:46	MP6774-SD1	5		
09:49	MP6774-S1	1		
09:53	MP6774-S2	1		
09:57	ZZZZZZ	1		
10:01	ZZZZZZ	1		
10:04	ZZZZZZ	1		
10:08	MA3841-CCV2	1		
10:12	MA3841-CCB2	1		
10:21	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:45	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:52	ZZZZZZ	1		
10:56	MA3841-CCV3	1		
11:00	MA3841-CCB3	1		
11:04	ZZZZZZ	1		
11:07	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3841
Parameters: Ca

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:11	ZZZZZZ	1		
11:14	ZZZZZZ	1		
11:18	ZZZZZZ	1		
11:21	MP6775-MB1	1		
11:25	MP6775-B1	1		
11:30	F24685-6	1		(sample used for QC only; not part of login F24649)
11:34	MP6775-D1	1		
11:37	MP6775-SD1	5		
11:41	MA3841-CCV4	1		
11:45	MA3841-CCB4	1		
11:49	MP6775-S1	1		
11:52	MP6775-S2	1		
11:57	ZZZZZZ	1		
12:00	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:22	ZZZZZZ	1		
12:29	MA3841-CCV5	1		
12:34	MA3841-CCB5	1		
12:37	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	MA3841-CCV6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3841
Parameters: Ca

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:17	MA3841-CCB6	1		
13:21	MP6776-MB1	1		
13:24	MP6776-B1	1		
13:30	F24694-2	1		(sample used for QC only; not part of login F24649)
13:33	MP6776-D1	1		
13:37	MP6776-SD1	5		
13:40	MP6776-S1	1		
13:44	MP6776-S2	1		
13:48	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:59	MA3841-CCV7	1		
14:03	MA3841-CCB7	1		
14:07	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:17	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:32	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:39	ZZZZZZ	1		
14:42	MA3841-CCV8	1		
14:47	MA3841-CCB8	1		
14:50	ZZZZZZ	1		
14:54	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:05	MA3841-CRI2	1		
15:09	MA3841-CCV9	1		
15:13	MA3841-CCB9	1		
15:27	ZZZZZZ	40		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3841
Parameters: Ca

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:30	F24649-1	10		
15:34	F24649-2	10		
15:37	F24649-3	10		
15:40	F24649-4	10		
15:43	F24649-5	10		
15:46	F24649-6	10		
15:49	F24649-7	10		
15:53	MA3841-CCV10	1		
15:56	MA3841-CCB10	1		
15:59	F24649-8	10		
16:02	F24649-9	10		
16:05	F24649-10	10		
16:08	F24649-11	10		
16:11	F24649-12	10		
16:15	F24649-13	10		
16:18	F24649-14	10		

----------> Last reportable sample/prep for job F24649

08:52	MA3841-CCV11	1		
08:55	MA3841-CCB11	1		

----------> Last reportable CCB for job F24649
Refer to raw data for calibration curve and standards.

ACCUTEST Laboratories

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC Date Analyzed: 06/15/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3844
Parameters: Ca

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:56	MA3844-ICV1	1		
10:59	MA3844-ICB1	1		
11:02	MA3844-CRI1	1		
11:08	MA3844-ICSA1	1		
11:10	MA3844-ICSAB1	1		
11:16	MA3844-CCV1	1		
11:19	MA3844-CCB1	1		
11:23	MP6778-MB1	1		
11:26	MP6778-B1	1		
11:32	F24597-1	1		(sample used for QC only; not part of login F24649)
11:35	MP6778-D1	1		
11:38	MP6778-SD1	5		
11:41	MP6778-S1	1		
11:45	MP6778-S2	1		
11:49	ZZZZZZ	1		
11:53	ZZZZZZ	1		
11:56	ZZZZZZ	1		
12:04	MA3844-CCV2	1		
12:08	MA3844-CCB2	1		
12:11	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:21	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:43	MA3844-CCV3	1		
12:56	MA3844-CCB3	1		
13:13	ZZZZZZ	1		
13:16	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC Date Analyzed: 06/15/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3844
Parameters: Ca

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:20	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:26	MP6780-MB1	1		
13:29	MP6780-B1	1		
13:35	F24773-1	1		(sample used for QC only; not part of login F24649)
13:38	MP6780-D1	1		
13:41	MP6780-SD1	5		
13:44	MP6780-S1	1		
13:48	MA3844-CCV4	1		
13:52	MA3844-CCB4	1		
13:55	MP6780-S2	1		
13:59	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:18	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:28	MA3844-CCV5	1		
14:32	MA3844-CCB5	1		
14:35	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:47	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:53	MP6781-MB1	1		
14:57	MP6781-B1	1		
15:02	F24747-1	1		(sample used for QC only; not part of login F24649)
15:06	MP6781-D1	1		
15:09	MA3844-CCV6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC Date Analyzed: 06/15/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3844
Parameters: Ca

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:13	MA3844-CCB6	1		
15:16	MP6781-SD1	5		
15:19	MP6781-S1	1		
15:22	MP6781-S2	1		
15:26	ZZZZZZ	1		
15:29	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:51	MA3844-CCV7	1		
15:55	MA3844-CCB7	1		
15:58	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:14	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:27	MA3844-CRI2	1		
16:30	MA3844-CCV8	1		
16:35	MA3844-CCB8	1		
16:38	F24649-15	10		
16:41	F24649-16	10		
16:44	F24649-17	10		
16:47	F24649-18	10		
16:50	F24649-19	10		
16:53	F24649-20	10		
16:56	F24649-21	10		
17:00	F24649-22	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24649
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061505.ASC Date Analyzed: 06/15/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3844
Parameters: Ca

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:03	F24649-23	10		
17:06	F24649-24	10		
17:09	MA3844-CCV9	1		
17:13	MA3844-CCB9	1		
17:16	F24649-25	10		
17:19	F24649-26	10		
17:22	F24649-27	10		
17:26	F24649-28	10		
17:29	F24649-29	10		
17:32	F24649-30	10		
17:35	F24649-31	10		
17:38	F24649-32	10		
17:41	F24649-33	10		
17:44	F24649-34	10		
17:47	MA3844-CCV10	1		
17:52	MA3844-CCB10	1		
17:55	F24649-35	10		
17:58	F24649-36	10		
18:01	F24649-37	10		
18:04	F24649-38	10		
18:07	F24649-39	10		
18:10	F24649-40	10		
---------->	Last reportable sample/prep for job F24649			
18:13	MA3844-CCV11	1		
18:17	MA3844-CCB11	1		
---------->	Last reportable CCB for job F24649			

Refer to raw data for calibration curve and standards.

FIELD DUPLICATE PRECISION

ANALYTE	KW-DUP-01-0604	C03D-01C-06-0604	RPD	DIFFERENCE
Aluminum	659	588	11.39	71
Antimony	.15U	.15U	#VALUE!	#VALUE!
Arsenic	1.2	1.3	8.00	0.1
Barium	6.7	6.7	0.00	0
Beryllium	0.066	0.057	14.63	0.009
Cadmium	.03U	.03U	#VALUE!	#VALUE!
Calcium	232000	231000	0.43	1000
Chromium	5.3	5.9	10.71	0.6
Cobalt	0.16	0.14	13.33	0.02
Copper	0.6	1.7	95.65 OK	1.1
Iron	494	519	4.94	25
Lead	0.75	10.6	173.57 OK	9.85
Magnesium	1510	1580	4.53	70
Manganese	21.8	22.3	2.27	0.5
Mercury	0.0079	0.016	67.78 OK	0.0081
Nickel	0.99	1.9	62.98 OK	0.91
Potassium	123	109	12.07	14
Selenium	20U	20U	#VALUE!	#VALUE!
Silver	.061U	.061U	#VALUE!	#VALUE!
Sodium	256	264	3.08	8
Thallium	.15U	.15U	#VALUE!	#VALUE!
Tin	2.8	2.9	3.51	0.1
Vanadium	5.2	4.7	10.10	0.5
Zinc	1	3.5	111.11 OK	2.5

ANALYTE	KW-DUP-02-0604	C03D-01C-12-0604	RPD	DIFFERENCE
Aluminum	526	556	5.55	30
Antimony	.15U	.16U	#VALUE!	#VALUE!
Arsenic	1.5	1.5	0.00	0
Barium	6.1	6.4	4.80	0.3
Beryllium	0.035	0.041	15.79	0.006
Cadmium	.03U	0.3	#VALUE!	#VALUE!
Calcium	249000	242000	2.85	7000
Chromium	4.8	5.2	8.00	0.4
Cobalt	0.16	0.16	0.00	0
Copper	0.81	0.57	34.78	0.24
Iron	449	485	7.71	36
Lead	3.2	0.74	124.87 OK	2.46
Magnesium	1520	1580	3.87	60
Manganese	20.4	21.8	6.64	1.4
Mercury	0.0087	0.013	39.63	0.0043
Nickel	0.87	0.86	1.16	0.01
Potassium	100	106	5.83	6
Selenium	20U	21U	#VALUE!	#VALUE!
Silver	.061U	0.094	#VALUE!	#VALUE!
Sodium	303	248	19.96	55
Thallium	.15U	.16U	#VALUE!	#VALUE!
Tin	3	2.9	3.39	0.1
Vanadium	4.4	4.7	6.59	0.3
Zinc	1.1	0.95	14.63	0.15

ANALYTE	KW-DUP-03-0604	C03D-01C-24-0604	RPD	DIFFERENCE
Aluminum	572	579	1.22	7
Antimony	.15U	.16U	#VALUE!	#VALUE!
Arsenic	1.2	1.1	8.70	0.1
Barium	7.7	6.3	20.00	1.4
Beryllium	0.057	0.049	15.09	0.008
Cadmium	0.14	.031U	#VALUE!	#VALUE!
Calcium	227000	231000	1.75	4000
Chromium	5.2	5	3.92	0.2
Cobalt	0.13	0.15	14.29	0.02
Copper	4.5	1.9	81.25	2.6
Iron	712	540	27.48	172
Lead	20.1	26.8	28.57	6.7
Magnesium	1520	1490	1.99	30
Manganese	22.3	21.4	4.12	0.9
Mercury	0.011	0.012	8.70	0.001
Nickel	1.1	0.94	15.69	0.16
Potassium	109	112	2.71	3
Selenium	20U	21U	#VALUE!	#VALUE!
Silver	.059U	0.12	#VALUE!	#VALUE!
Sodium	258	275	6.38	17
Thallium	.15U	.16U	#VALUE!	#VALUE!
Tin	2.7	2.8	3.64	0.1
Vanadium	4.9	4.9	0.00	0
Zinc	19.2	7.1	92.02	12.1

ANALYTE	KW-DUP-04-0604	C03D-15C-12-0604	RPD	DIFFERENCE
Aluminum	621	632	1.76	11
Antimony	.16U	.15U	#VALUE!	#VALUE!
Arsenic	1.6	1.8	11.76	0.2
Barium	6.3	6.5	3.13	0.2
Beryllium	0.074	0.073	1.36	0.001
Cadmium	.031U	.03U	#VALUE!	#VALUE!
Calcium	262000	271000	3.38	9000
Chromium	4.3	4.4	2.30	0.1
Cobalt	0.16	0.12	28.57	0.04
Copper	0.6	0.48	22.22	0.12
Iron	525	523	0.38	2
Lead	1.9	0.49	117.99	1.41
Magnesium	1900	1970	3.62	70
Manganese	24.8	25.6	3.17	0.8
Mercury	0.0027	0.0021	25.00	0.0006
Nickel	0.89	0.89	0.00	0
Potassium	107	108	0.93	1
Selenium	21U	20U	#VALUE!	#VALUE!
Silver	.063U	.06U	#VALUE!	#VALUE!
Sodium	200	188	6.19	12
Thallium	.16U	.15U	#VALUE!	#VALUE!
Tin	3.2	3.3	3.08	0.1
Vanadium	5	5	0.00	0
Zinc	0.75	0.63	17.39	0.12

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**JUNE 29, 2004**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- SVOA/PCB**
CTO 349, NAS KEY WEST
SDG F24685

SAMPLES: 1/Aqueous

KWRB060804

13/Solid

C03D-06C-06-0604	C03D-06C-12-0604	C03D-06C-24-0604
C03D-07C-06-0604	C03D-07C-12-0604	C03D-07C-24-0604
C03D-10C-06-0604	C03D-10C-12-0604	C03D-10C-24-0604
C03D-11C-06-0604	C03D-11C-12-0604	C03D-11C-24-0604
KW-DUP-05-0604		

OVERVIEW

The sample set for CTO 349 NAS Key West, SDG 24685 consists of one (1) rinse blank and thirteen (13) solid environmental samples. All samples were analyzed for TCL semivolatile organic compounds (SVOA) and polychlorinated biphenyls (PCBs), except sample KW-DUP-05-0604, which was analyzed for PCBs only. One field duplicate was associated with this SDG: KW-DUP-05-0604 / C03D-07C-24-0604.

The samples were collected by TetraTech NUS on June 8, 2004 and analyzed by Accutest Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Method 8270C and 8082 analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
* • Initial/continuing calibrations
* • Laboratory method blank results
• Matrix Spikes
* • Surrogate Recoveries
• Field Duplicates
• Detection Limits

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

Semivolatiles

The laboratory detection limit was greater than the soil action level defined in the laboratory specification for

dibenzo (a,h) anthracene and N-nitroso-di-n-propylamine. No action was taken on this basis.

The matrix spike / matrix spike duplicate (MS/MSD) associated with the rinse blank had a percent recovery greater than the quality control limit for pyrene. In addition, the relative percent difference was outside of criterion for 3,3'-dichlorobenzidine. No action was taken on this basis.

PCBs

Field duplicate imprecision (RPD > 50%) was noted for Aroclor-1260 in the KW-DUP-05-0604 / C03D-07C-24-0604 sample pair. Positive results reported for Aroclor-1260 were qualified as estimated, "J" in this sample pair only.

The MS/MSD performed on sample C03D-10C-24-0604 had percent recovery less than the quality control limit for Aroclor-1260 in the MS. No action was taken on this basis.

Samples C03D-06C-06-0604, C03D-06C-12-0604, C03D-06C-24-0604 C03D-10C-06-0604, C03D-10C-12-0604, C03D-10C-24-0604, C03D-07C-06-0604, C03D-07C-12-0604, C03D-07C-24-0604, and C03D-11C-06-0604 analyzed for PCBs required dilutions due to high concentrations of Aroclor-1254 and/or Aroclor-1260. The dilutions resulted in elevated detection limits for the non-detected PCBs.

Additional Comments:

The case narrative was missing from the data package. No action was taken on this basis.

Positive results less than the reporting limit (RL) were qualified as estimated "J", due to uncertainty near the detection limit.

Aroclor-1254 and Aroclor-1260 were reported in sample C03D-06C-12-0604. The laboratory estimated the results due to overlapping Aroclor patterns.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Detection limits for dibenzo (a,h) anthracene and N-nitroso-di-n-propylamine were greater than defined in the laboratory specification.

Other Factors Affecting Data Quality: One SVOA and one PCB had percent recoveries outside of the criteria limits. Field duplicate imprecision was noted for Aroclor-1260.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines 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

Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

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: 0693

SDG: F24685 MEDIA: WATER DATA FRACTION: OS

nsample	KWRB060804
samp_date	6/8/2004
lab_id	F24685-14
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2,4,5-TRICHLOROPHENOL	2.1	U	
2,4,6-TRICHLOROPHENOL	2.1	U	
2,4-DICHLOROPHENOL	2.1	U	
2,4-DIMETHYLPHENOL	2.1	U	
2,4-DINITROPHENOL	10	U	
2,4-DINITROTOLUENE	2.1	U	
2,6-DINITROTOLUENE	2.1	U	
2-CHLORONAPHTHALENE	1	U	
2-CHLOROPHENOL	2.1	U	
2-METHYLNAPHTHALENE	1	U	
2-METHYLPHENOL	2.1	U	
2-NITROANILINE	2.1	U	
2-NITROPHENOL	2.1	U	
3&4-METHYLPHENOL	2.1	U	
3,3'-DICHLOROBENZIDINE	5.2	U	
3-NITROANILINE	2.1	U	
4,6-DINITRO-2-METHYLPHENOL	5.2	U	
4-BROMOPHENYL PHENYL ETHER	1	U	
4-CHLORO-3-METHYLPHENOL	2.1	U	
4-CHLOROANILINE	3.1	U	
4-CHLOROPHENYL PHENYL ETHER	1	U	
4-NITROANILINE	2.1	U	
4-NITROPHENOL	10	U	
ACENAPHTHENE	1	U	
ACENAPHTHYLENE	1	U	
ANTHRACENE	1	U	
BENZO(A)ANTHRACENE	1	U	
BENZO(A)PYRENE	1	U	

nsample	KWRB060804
samp_date	6/8/2004
lab_id	F24685-14
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	1	U	
BENZO(G,H,I)PERYLENE	2.1	U	
BENZO(K)FLUORANTHENE	1	U	
BIS(2-CHLOROETHOXY)METHANE	1	U	
BIS(2-CHLOROETHYL)ETHER	2.1	U	
BIS(2-ETHYLHEXYL)PHTHALATE	2.6	U	
BUTYL BENZYL PHTHALATE	2.1	U	
CARBAZOLE	1	U	
CHRYSENE	1	U	
DIBENZO(A,H)ANTHRACENE	2.1	U	
DIBENZOFURAN	1	U	
DIETHYL PHTHALATE	2.1	U	
DIMETHYL PHTHALATE	2.1	U	
DI-N-BUTYL PHTHALATE	2.1	U	
DI-N-OCTYL PHTHALATE	2.6	U	
FLUORANTHENE	1	U	
FLUORENE	1	U	
HEXACHLOROBENZENE	1	U	
HEXACHLOROBUTADIENE	2.1	U	
HEXACHLOROCYCLOPENTADIENE	2.1	U	
HEXACHLOROETHANE	2.1	U	
INDENO(1,2,3-CD)PYRENE	2.1	U	
ISOPHORONE	1	U	
NAPHTHALENE	1	U	
NITROBENZENE	1	U	
N-NITROSO-DI-N-PROPYLAMINE	2.1	U	
N-NITROSODIPHENYLAMINE	2.1	U	
PENTACHLOROPHENOL	10	U	
PHENANTHRENE	1	U	
PHENOL	2.1	U	
PYRENE	1	U	

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-06C-06-0604
samp_date	6/8/2004
lab_id	F24685-1
qc_type	NM
units	UG/KG
Pct_Solids	97.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	33	U	
1,2-DICHLOROBENZENE	33	U	
1,3-DICHLOROBENZENE	33	U	
1,4-DICHLOROBENZENE	33	U	
2,4,5-TRICHLOROPHENOL	33	U	
2,4,6-TRICHLOROPHENOL	33	U	
2,4-DICHLOROPHENOL	33	U	
2,4-DIMETHYLPHENOL	33	U	
2,4-DINITROPHENOL	330	U	
2,4-DINITROTOLUENE	67	U	
2,6-DINITROTOLUENE	67	U	
2-CHLORONAPHTHALENE	33	U	
2-CHLOROPHENOL	33	U	
2-METHYLNAPHTHALENE	33	U	
2-METHYLPHENOL	33	U	
2-NITROANILINE	84	U	
2-NITROPHENOL	33	U	
3&4-METHYLPHENOL	33	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	84	U	
4,6-DINITRO-2-METHYLPHENOL	67	U	
4-BROMOPHENYL PHENYL ETHER	33	U	
4-CHLORO-3-METHYLPHENOL	33	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	33	U	
4-NITROANILINE	84	U	
4-NITROPHENOL	330	U	
ACENAPHTHENE	33	U	
ACENAPHTHYLENE	33	U	
ANTHRACENE	33	U	
BENZO(A)ANTHRACENE	33	U	
BENZO(A)PYRENE	33	U	

nsample	C03D-06C-06-0604
samp_date	6/8/2004
lab_id	F24685-1
qc_type	NM
units	UG/KG
Pct_Solids	97.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	33	U	
BENZO(G,H,I)PERYLENE	67	U	
BENZO(K)FLUORANTHENE	33	U	
BIS(2-CHLOROETHOXY)METHANE	33	U	
BIS(2-CHLOROETHYL)ETHER	67	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	84	U	
CARBAZOLE	33	U	
CHRYSENE	33	U	
DIBENZO(A,H)ANTHRACENE	67	U	
DIBENZOFURAN	33	U	
DIETHYL PHTHALATE	84	U	
DIMETHYL PHTHALATE	84	U	
DI-N-BUTYL PHTHALATE	84	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	33	U	
FLUORENE	33	U	
HEXACHLOROBENZENE	33	U	
HEXACHLOROBUTADIENE	67	U	
HEXACHLOROCYCLOPENTADIENE	67	U	
HEXACHLOROETHANE	67	U	
INDENO(1,2,3-CD)PYRENE	67	U	
ISOPHORONE	33	U	
NAPHTHALENE	33	U	
NITROBENZENE	33	U	
N-NITROSO-DI-N-PROPYLAMINE	67	U	
N-NITROSODIPHENYLAMINE	33	U	
PENTACHLOROPHENOL	330	U	
PHENANTHRENE	33	U	
PHENOL	33	U	
PYRENE	67	U	

nsample	C03D-06C-12-0604
samp_date	6/8/2004
lab_id	F24685-2
qc_type	NM
units	UG/KG
Pct_Solids	95.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-06C-12-0604
samp_date	6/8/2004
lab_id	F24685-2
qc_type	NM
units	UG/KG
Pct_Solids	95.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	69	U	

nsample	C03D-06C-24-0604
samp_date	6/8/2004
lab_id	F24685-3
qc_type	NM
units	UG/KG
Pct_Solids	85.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	39	U	
1,2-DICHLOROBENZENE	39	U	
1,3-DICHLOROBENZENE	39	U	
1,4-DICHLOROBENZENE	39	U	
2,4,5-TRICHLOROPHENOL	39	U	
2,4,6-TRICHLOROPHENOL	39	U	
2,4-DICHLOROPHENOL	39	U	
2,4-DIMETHYLPHENOL	39	U	
2,4-DINITROPHENOL	390	U	
2,4-DINITROTOLUENE	77	U	
2,6-DINITROTOLUENE	77	U	
2-CHLORONAPHTHALENE	39	U	
2-CHLOROPHENOL	39	U	
2-METHYLNAPHTHALENE	39	U	
2-METHYLPHENOL	39	U	
2-NITROANILINE	97	U	
2-NITROPHENOL	39	U	
3&4-METHYLPHENOL	39	U	
3,3'-DICHLOROBENZIDINE	190	U	
3-NITROANILINE	97	U	
4,6-DINITRO-2-METHYLPHENOL	77	U	
4-BROMOPHENYL PHENYL ETHER	39	U	
4-CHLORO-3-METHYLPHENOL	39	U	
4-CHLOROANILINE	290	U	
4-CHLOROPHENYL PHENYL ETHER	39	U	
4-NITROANILINE	97	U	
4-NITROPHENOL	390	U	
ACENAPHTHENE	39	U	
ACENAPHTHYLENE	39	U	
ANTHRACENE	39	U	
BENZO(A)ANTHRACENE	39	U	
BENZO(A)PYRENE	39	U	

nsample	C03D-06C-24-0604
samp_date	6/8/2004
lab_id	F24685-3
qc_type	NM
units	UG/KG
Pct_Solids	85.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	39	U	
BENZO(G,H,I)PERYLENE	77	U	
BENZO(K)FLUORANTHENE	39	U	
BIS(2-CHLOROETHOXY)METHANE	39	U	
BIS(2-CHLOROETHYL)ETHER	77	U	
BIS(2-ETHYLHEXYL)PHTHALATE	190	U	
BUTYL BENZYL PHTHALATE	97	U	
CARBAZOLE	39	U	
CHRYSENE	39	U	
DIBENZO(A,H)ANTHRACENE	77	U	
DIBENZOFURAN	39	U	
DIETHYL PHTHALATE	97	U	
DIMETHYL PHTHALATE	97	U	
DI-N-BUTYL PHTHALATE	97	U	
DI-N-OCTYL PHTHALATE	190	U	
FLUORANTHENE	39	U	
FLUORENE	39	U	
HEXACHLOROBENZENE	39	U	
HEXACHLOROBUTADIENE	77	U	
HEXACHLOROCYCLOPENTADIENE	77	U	
HEXACHLOROETHANE	77	U	
INDENO(1,2,3-CD)PYRENE	77	U	
ISOPHORONE	39	U	
NAPHTHALENE	39	U	
NITROBENZENE	39	U	
N-NITROSO-DI-N-PROPYLAMINE	77	U	
N-NITROSODIPHENYLAMINE	39	U	
PENTACHLOROPHENOL	390	U	
PHENANTHRENE	39	U	
PHENOL	39	U	
PYRENE	77	U	

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-07C-06-0604
samp_date	6/8/2004
lab_id	F24685-7
qc_type	NM
units	UG/KG
Pct_Solids	98.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	67	U	
2,6-DINITROTOLUENE	67	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	84	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	84	U	
4,6-DINITRO-2-METHYLPHENOL	67	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	84	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	48.9	J	P
BENZO(A)PYRENE	65.7	J	P

nsample	C03D-07C-06-0604
samp_date	6/8/2004
lab_id	F24685-7
qc_type	NM
units	UG/KG
Pct_Solids	98.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	81.9	J	P
BENZO(G,H,I)PERYLENE	67	U	
BENZO(K)FLUORANTHENE	70.5	J	P
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	67	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	84	U	
CARBAZOLE	34	U	
CHRYSENE	80.9	J	P
DIBENZO(A,H)ANTHRACENE	67	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	84	U	
DIMETHYL PHTHALATE	84	U	
DI-N-BUTYL PHTHALATE	84	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	107	J	P
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	67	U	
HEXACHLOROCYCLOPENTADIENE	67	U	
HEXACHLOROETHANE	67	U	
INDENO(1,2,3-CD)PYRENE	67	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	67	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	95	J	P

nsample	C03D-07C-12-0604
samp_date	6/8/2004
lab_id	F24685-8
qc_type	NM
units	UG/KG
Pct_Solids	97.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	67	U	
2,6-DINITROTOLUENE	67	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	84	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	84	U	
4,6-DINITRO-2-METHYLPHENOL	67	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	84	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-07C-12-0604
samp_date	6/8/2004
lab_id	F24685-8
qc_type	NM
units	UG/KG
Pct_Solids	97.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	67	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	67	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	84	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	67	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	84	U	
DIMETHYL PHTHALATE	84	U	
DI-N-BUTYL PHTHALATE	84	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	67	U	
HEXACHLOROCYCLOPENTADIENE	67	U	
HEXACHLOROETHANE	67	U	
INDENO(1,2,3-CD)PYRENE	67	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	67	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	67	U	

nsample	C03D-07C-24-0604
samp_date	6/8/2004
lab_id	F24685-9
qc_type	NM
units	UG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	36	U	
1,2-DICHLOROBENZENE	36	U	
1,3-DICHLOROBENZENE	36	U	
1,4-DICHLOROBENZENE	36	U	
2,4,5-TRICHLOROPHENOL	36	U	
2,4,6-TRICHLOROPHENOL	36	U	
2,4-DICHLOROPHENOL	36	U	
2,4-DIMETHYLPHENOL	36	U	
2,4-DINITROPHENOL	360	U	
2,4-DINITROTOLUENE	71	U	
2,6-DINITROTOLUENE	71	U	
2-CHLORONAPHTHALENE	36	U	
2-CHLOROPHENOL	36	U	
2-METHYLNAPHTHALENE	36	U	
2-METHYLPHENOL	36	U	
2-NITROANILINE	89	U	
2-NITROPHENOL	36	U	
3&4-METHYLPHENOL	36	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	89	U	
4,6-DINITRO-2-METHYLPHENOL	71	U	
4-BROMOPHENYL PHENYL ETHER	36	U	
4-CHLORO-3-METHYLPHENOL	36	U	
4-CHLOROANILINE	270	U	
4-CHLOROPHENYL PHENYL ETHER	36	U	
4-NITROANILINE	89	U	
4-NITROPHENOL	360	U	
ACENAPHTHENE	36	U	
ACENAPHTHYLENE	36	U	
ANTHRACENE	36	U	
BENZO(A)ANTHRACENE	36	U	
BENZO(A)PYRENE	36	U	

nsample	C03D-07C-24-0604
samp_date	6/8/2004
lab_id	F24685-9
qc_type	NM
units	UG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	36	U	
BENZO(G,H,I)PERYLENE	71	U	
BENZO(K)FLUORANTHENE	36	U	
BIS(2-CHLOROETHOXY)METHANE	36	U	
BIS(2-CHLOROETHYL)ETHER	71	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	89	U	
CARBAZOLE	36	U	
CHRYSENE	36	U	
DIBENZO(A,H)ANTHRACENE	71	U	
DIBENZOFURAN	36	U	
DIETHYL PHTHALATE	89	U	
DIMETHYL PHTHALATE	89	U	
DI-N-BUTYL PHTHALATE	89	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	36	U	
FLUORENE	36	U	
HEXACHLOROBENZENE	36	U	
HEXACHLOROBUTADIENE	71	U	
HEXACHLOROCYCLOPENTADIENE	71	U	
HEXACHLOROETHANE	71	U	
INDENO(1,2,3-CD)PYRENE	71	U	
ISOPHORONE	36	U	
NAPHTHALENE	36	U	
NITROBENZENE	36	U	
N-NITROSO-DI-N-PROPYLAMINE	71	U	
N-NITROSODIPHENYLAMINE	36	U	
PENTACHLOROPHENOL	360	U	
PHENANTHRENE	36	U	
PHENOL	36	U	
PYRENE	71	U	

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-10C-06-0604
samp_date	6/8/2004
lab_id	F24685-4
qc_type	NM
units	UG/KG
Pct_Solids	93.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	71	U	
2,6-DINITROTOLUENE	71	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	88	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	88	U	
4,6-DINITRO-2-METHYLPHENOL	71	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	270	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	88	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	108	J	P
BENZO(A)PYRENE	97	J	P

nsample	C03D-10C-06-0604
samp_date	6/8/2004
lab_id	F24685-4
qc_type	NM
units	UG/KG
Pct_Solids	93.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	134	J	P
BENZO(G,H,I)PERYLENE	71	U	
BENZO(K)FLUORANTHENE	87.8	J	P
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	71	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	88	U	
CARBAZOLE	35	U	
CHRYSENE	140	J	P
DIBENZO(A,H)ANTHRACENE	71	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	88	U	
DIMETHYL PHTHALATE	88	U	
DI-N-BUTYL PHTHALATE	88	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	215		
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	71	U	
HEXACHLOROCYCLOPENTADIENE	71	U	
HEXACHLOROETHANE	71	U	
INDENO(1,2,3-CD)PYRENE	71.5	J	P
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	71	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	51.6	J	P
PHENOL	35	U	
PYRENE	179	J	P

nsample	C03D-10C-12-0604
samp_date	6/8/2004
lab_id	F24685-5
qc_type	NM
units	UG/KG
Pct_Solids	93.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	35	U	
1,2-DICHLOROBENZENE	35	U	
1,3-DICHLOROBENZENE	35	U	
1,4-DICHLOROBENZENE	35	U	
2,4,5-TRICHLOROPHENOL	35	U	
2,4,6-TRICHLOROPHENOL	35	U	
2,4-DICHLOROPHENOL	35	U	
2,4-DIMETHYLPHENOL	35	U	
2,4-DINITROPHENOL	350	U	
2,4-DINITROTOLUENE	70	U	
2,6-DINITROTOLUENE	70	U	
2-CHLORONAPHTHALENE	35	U	
2-CHLOROPHENOL	35	U	
2-METHYLNAPHTHALENE	35	U	
2-METHYLPHENOL	35	U	
2-NITROANILINE	87	U	
2-NITROPHENOL	35	U	
3&4-METHYLPHENOL	35	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	87	U	
4,6-DINITRO-2-METHYLPHENOL	70	U	
4-BROMOPHENYL PHENYL ETHER	35	U	
4-CHLORO-3-METHYLPHENOL	35	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	35	U	
4-NITROANILINE	87	U	
4-NITROPHENOL	350	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	46.4	J	P
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	56.1	J	P
BENZO(A)PYRENE	166	J	P

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-10C-12-0604
samp_date	6/8/2004
lab_id	F24685-5
qc_type	NM
units	UG/KG
Pct_Solids	93.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	322		
BENZO(G,H,I)PERYLENE	177		
BENZO(K)FLUORANTHENE	205		
BIS(2-CHLOROETHOXY)METHANE	35	U	
BIS(2-CHLOROETHYL)ETHER	70	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	87	U	
CARBAZOLE	35	U	
CHRYSENE	116	J	P
DIBENZO(A,H)ANTHRACENE	70	U	
DIBENZOFURAN	35	U	
DIETHYL PHTHALATE	87	U	
DIMETHYL PHTHALATE	87	U	
DI-N-BUTYL PHTHALATE	87	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
HEXACHLOROBENZENE	35	U	
HEXACHLOROBUTADIENE	70	U	
HEXACHLOROCYCLOPENTADIENE	70	U	
HEXACHLOROETHANE	70	U	
INDENO(1,2,3-CD)PYRENE	164	J	P
ISOPHORONE	35	U	
NAPHTHALENE	35	U	
NITROBENZENE	35	U	
N-NITROSO-DI-N-PROPYLAMINE	70	U	
N-NITROSODIPHENYLAMINE	35	U	
PENTACHLOROPHENOL	350	U	
PHENANTHRENE	35	U	
PHENOL	35	U	
PYRENE	70	U	

nsample	C03D-10C-24-0604
samp_date	6/8/2004
lab_id	F24685-6
qc_type	NM
units	UG/KG
Pct_Solids	92.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	36	U	
1,2-DICHLOROBENZENE	36	U	
1,3-DICHLOROBENZENE	36	U	
1,4-DICHLOROBENZENE	36	U	
2,4,5-TRICHLOROPHENOL	36	U	
2,4,6-TRICHLOROPHENOL	36	U	
2,4-DICHLOROPHENOL	36	U	
2,4-DIMETHYLPHENOL	36	U	
2,4-DINITROPHENOL	360	U	
2,4-DINITROTOLUENE	71	U	
2,6-DINITROTOLUENE	71	U	
2-CHLORONAPHTHALENE	36	U	
2-CHLOROPHENOL	36	U	
2-METHYLNAPHTHALENE	36	U	
2-METHYLPHENOL	36	U	
2-NITROANILINE	89	U	
2-NITROPHENOL	36	U	
3&4-METHYLPHENOL	36	U	
3,3'-DICHLOROBENZIDINE	180	U	
3-NITROANILINE	89	U	
4,6-DINITRO-2-METHYLPHENOL	71	U	
4-BROMOPHENYL PHENYL ETHER	36	U	
4-CHLORO-3-METHYLPHENOL	36	U	
4-CHLOROANILINE	270	U	
4-CHLOROPHENYL PHENYL ETHER	36	U	
4-NITROANILINE	89	U	
4-NITROPHENOL	360	U	
ACENAPHTHENE	36	U	
ACENAPHTHYLENE	36	U	
ANTHRACENE	36	U	
BENZO(A)ANTHRACENE	36	U	
BENZO(A)PYRENE	36	U	

nsample	C03D-10C-24-0604
samp_date	6/8/2004
lab_id	F24685-6
qc_type	NM
units	UG/KG
Pct_Solids	92.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	36	U	
BENZO(G,H,I)PERYLENE	71	U	
BENZO(K)FLUORANTHENE	36	U	
BIS(2-CHLOROETHOXY)METHANE	36	U	
BIS(2-CHLOROETHYL)ETHER	71	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	U	
BUTYL BENZYL PHTHALATE	89	U	
CARBAZOLE	36	U	
CHRYSENE	36	U	
DIBENZO(A,H)ANTHRACENE	71	U	
DIBENZOFURAN	36	U	
DIETHYL PHTHALATE	89	U	
DIMETHYL PHTHALATE	89	U	
DI-N-BUTYL PHTHALATE	89	U	
DI-N-OCTYL PHTHALATE	180	U	
FLUORANTHENE	36	U	
FLUORENE	36	U	
HEXACHLOROBENZENE	36	U	
HEXACHLOROBUTADIENE	71	U	
HEXACHLOROCYCLOPENTADIENE	71	U	
HEXACHLOROETHANE	71	U	
INDENO(1,2,3-CD)PYRENE	71	U	
ISOPHORONE	36	U	
NAPHTHALENE	36	U	
NITROBENZENE	36	U	
N-NITROSO-DI-N-PROPYLAMINE	71	U	
N-NITROSODIPHENYLAMINE	36	U	
PENTACHLOROPHENOL	360	U	
PHENANTHRENE	36	U	
PHENOL	36	U	
PYRENE	71	U	

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-11C-06-0604
samp_date	6/8/2004
lab_id	F24685-11
qc_type	NM
units	UG/KG
Pct_Solids	98.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	67	U	
2,6-DINITROTOLUENE	67	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	84	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	84	U	
4,6-DINITRO-2-METHYLPHENOL	67	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	84	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	79.8	J	P
BENZO(A)PYRENE	87	J	P

nsample	C03D-11C-06-0604
samp_date	6/8/2004
lab_id	F24685-11
qc_type	NM
units	UG/KG
Pct_Solids	98.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	109	J	P
BENZO(G,H,I)PERYLENE	76.3	J	P
BENZO(K)FLUORANTHENE	89.8	J	P
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	67	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	84	U	
CARBAZOLE	34	U	
CHRYSENE	115	J	P
DIBENZO(A,H)ANTHRACENE	67	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	84	U	
DIMETHYL PHTHALATE	84	U	
DI-N-BUTYL PHTHALATE	84	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	155	J	P
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	67	U	
HEXACHLOROCYCLOPENTADIENE	67	U	
HEXACHLOROETHANE	67	U	
INDENO(1,2,3-CD)PYRENE	71.7	J	P
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	67	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	139	J	P

nsample	C03D-11C-12-0604
samp_date	6/8/2004
lab_id	F24685-12
qc_type	NM
units	UG/KG
Pct_Solids	96.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	69	U	
2,6-DINITROTOLUENE	69	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	86	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	86	U	
4,6-DINITRO-2-METHYLPHENOL	69	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	260	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	86	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: OS

nsample	C03D-11C-12-0604
samp_date	6/8/2004
lab_id	F24685-12
qc_type	NM
units	UG/KG
Pct_Solids	96.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	69	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	69	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	86	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	69	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	86	U	
DIMETHYL PHTHALATE	86	U	
DI-N-BUTYL PHTHALATE	86	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	69	U	
HEXACHLOROCYCLOPENTADIENE	69	U	
HEXACHLOROETHANE	69	U	
INDENO(1,2,3-CD)PYRENE	69	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	69	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	69	U	

nsample	C03D-11C-24-0604
samp_date	6/8/2004
lab_id	F24685-13
qc_type	NM
units	UG/KG
Pct_Solids	96.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	34	U	
1,2-DICHLOROBENZENE	34	U	
1,3-DICHLOROBENZENE	34	U	
1,4-DICHLOROBENZENE	34	U	
2,4,5-TRICHLOROPHENOL	34	U	
2,4,6-TRICHLOROPHENOL	34	U	
2,4-DICHLOROPHENOL	34	U	
2,4-DIMETHYLPHENOL	34	U	
2,4-DINITROPHENOL	340	U	
2,4-DINITROTOLUENE	68	U	
2,6-DINITROTOLUENE	68	U	
2-CHLORONAPHTHALENE	34	U	
2-CHLOROPHENOL	34	U	
2-METHYLNAPHTHALENE	34	U	
2-METHYLPHENOL	34	U	
2-NITROANILINE	85	U	
2-NITROPHENOL	34	U	
3&4-METHYLPHENOL	34	U	
3,3'-DICHLOROBENZIDINE	170	U	
3-NITROANILINE	85	U	
4,6-DINITRO-2-METHYLPHENOL	68	U	
4-BROMOPHENYL PHENYL ETHER	34	U	
4-CHLORO-3-METHYLPHENOL	34	U	
4-CHLOROANILINE	250	U	
4-CHLOROPHENYL PHENYL ETHER	34	U	
4-NITROANILINE	85	U	
4-NITROPHENOL	340	U	
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	34	U	
BENZO(A)ANTHRACENE	34	U	
BENZO(A)PYRENE	34	U	

nsample	C03D-11C-24-0604
samp_date	6/8/2004
lab_id	F24685-13
qc_type	NM
units	UG/KG
Pct_Solids	96.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(B)FLUORANTHENE	34	U	
BENZO(G,H,I)PERYLENE	68	U	
BENZO(K)FLUORANTHENE	34	U	
BIS(2-CHLOROETHOXY)METHANE	34	U	
BIS(2-CHLOROETHYL)ETHER	68	U	
BIS(2-ETHYLHEXYL)PHTHALATE	170	U	
BUTYL BENZYL PHTHALATE	85	U	
CARBAZOLE	34	U	
CHRYSENE	34	U	
DIBENZO(A,H)ANTHRACENE	68	U	
DIBENZOFURAN	34	U	
DIETHYL PHTHALATE	85	U	
DIMETHYL PHTHALATE	85	U	
DI-N-BUTYL PHTHALATE	85	U	
DI-N-OCTYL PHTHALATE	170	U	
FLUORANTHENE	34	U	
FLUORENE	34	U	
HEXACHLOROBENZENE	34	U	
HEXACHLOROBUTADIENE	68	U	
HEXACHLOROCYCLOPENTADIENE	68	U	
HEXACHLOROETHANE	68	U	
INDENO(1,2,3-CD)PYRENE	68	U	
ISOPHORONE	34	U	
NAPHTHALENE	34	U	
NITROBENZENE	34	U	
N-NITROSO-DI-N-PROPYLAMINE	68	U	
N-NITROSODIPHENYLAMINE	34	U	
PENTACHLOROPHENOL	340	U	
PHENANTHRENE	34	U	
PHENOL	34	U	
PYRENE	68	U	

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03D-06C-06-0604	nsample	C03D-06C-12-0604	nsample	C03D-06C-24-0604
samp_date	6/8/2004	samp_date	6/8/2004	samp_date	6/8/2004
lab_id	F24685-1	lab_id	F24685-2	lab_id	F24685-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	97.8	Pct_Solids	95.1	Pct_Solids	85.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	84	U	
AROCLOR-1221	130	U	
AROCLOR-1232	130	U	
AROCLOR-1242	84	U	
AROCLOR-1248	84	U	
AROCLOR-1254	84	U	
AROCLOR-1260	842		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	44	U	
AROCLOR-1221	70	U	
AROCLOR-1232	70	U	
AROCLOR-1242	44	U	
AROCLOR-1248	44	U	
AROCLOR-1254	109	J	Q
AROCLOR-1260	517	J	Q

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	960	U	
AROCLOR-1221	1500	U	
AROCLOR-1232	1500	U	
AROCLOR-1242	960	U	
AROCLOR-1248	960	U	
AROCLOR-1254	960	U	
AROCLOR-1260	11400		

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03D-07C-06-0604	nsample	C03D-07C-12-0604	nsample	C03D-07C-24-0604
samp_date	6/8/2004	samp_date	6/8/2004	samp_date	6/8/2004
lab_id	F24685-7	lab_id	F24685-8	lab_id	F24685-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	98.2	Pct_Solids	97.6	Pct_Solids	92.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	420	U	
AROCLOR-1221	670	U	
AROCLOR-1232	670	U	
AROCLOR-1242	420	U	
AROCLOR-1248	420	U	
AROCLOR-1254	420	U	
AROCLOR-1260	3270		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	34	U	
AROCLOR-1221	54	U	
AROCLOR-1232	54	U	
AROCLOR-1242	34	U	
AROCLOR-1248	34	U	
AROCLOR-1254	34	U	
AROCLOR-1260	442		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	360	U	
AROCLOR-1221	580	U	
AROCLOR-1232	580	U	
AROCLOR-1242	360	U	
AROCLOR-1248	360	U	
AROCLOR-1254	360	U	
AROCLOR-1260	1750	J	G

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03D-10C-06-0604	nsample	C03D-10C-12-0604	nsample	C03D-10C-24-0604
samp_date	6/8/2004	samp_date	6/8/2004	samp_date	6/8/2004
lab_id	F24685-4	lab_id	F24685-5	lab_id	F24685-6
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	93.9	Pct_Solids	93.1	Pct_Solids	92.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	170	U	
AROCLOR-1221	280	U	
AROCLOR-1232	280	U	
AROCLOR-1242	170	U	
AROCLOR-1248	170	U	
AROCLOR-1254	170	U	
AROCLOR-1260	2160		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	36	U	
AROCLOR-1221	57	U	
AROCLOR-1232	57	U	
AROCLOR-1242	36	U	
AROCLOR-1248	36	U	
AROCLOR-1254	36	U	
AROCLOR-1260	313		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	18	U	
AROCLOR-1221	28	U	
AROCLOR-1232	28	U	
AROCLOR-1242	18	U	
AROCLOR-1248	18	U	
AROCLOR-1254	18	U	
AROCLOR-1260	265		

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	C03D-11C-06-0604	nsample	C03D-11C-12-0604	nsample	C03D-11C-24-0604
samp_date	6/8/2004	samp_date	6/8/2004	samp_date	6/8/2004
lab_id	F24685-11	lab_id	F24685-12	lab_id	F24685-13
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	98.0	Pct_Solids	96.9	Pct_Solids	96.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	830	U	
AROCLOR-1221	1300	U	
AROCLOR-1232	1300	U	
AROCLOR-1242	830	U	
AROCLOR-1248	830	U	
AROCLOR-1254	830	U	
AROCLOR-1260	17200		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	8.5	U	
AROCLOR-1221	14	U	
AROCLOR-1232	14	U	
AROCLOR-1242	8.5	U	
AROCLOR-1248	8.5	U	
AROCLOR-1254	8.5	U	
AROCLOR-1260	114		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	8.6	U	
AROCLOR-1221	14	U	
AROCLOR-1232	14	U	
AROCLOR-1242	8.6	U	
AROCLOR-1248	8.6	U	
AROCLOR-1254	8.6	U	
AROCLOR-1260	16.4	J	P

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	KW-DUP-05-0604
samp_date	6/8/2004
lab_id	F24685-10
qc_type	NM
units	UG/KG
Pct_Solids	96.7
DUP_OF:	C03D-07C-24-0604

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	8.5	U	
AROCLOR-1221	14	U	
AROCLOR-1232	14	U	
AROCLOR-1242	8.5	U	
AROCLOR-1248	8.5	U	
AROCLOR-1254	8.5	U	
AROCLOR-1260	114	J	G

PROJ_NO: 0693

SDG: F24685 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	KWRB060804
samp_date	6/8/2004
lab_id	F24685-14
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	0.25	U	
AROCLOR-1221	0.4	U	
AROCLOR-1232	0.4	U	
AROCLOR-1242	0.25	U	
AROCLOR-1248	0.25	U	
AROCLOR-1254	0.25	U	
AROCLOR-1260	0.25	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Accutest Laboratories

Report of Analysis

Client Sample ID:	KWRB060804		
Lab Sample ID:	F24685-14	Date Sampled:	06/08/04
Matrix:	AQ - Equipment Blank	Date Received:	06/09/04
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020351.D	1	06/16/04	ME	06/15/04	OP10678	SW1068
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	2.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	2.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	2.1	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	2.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	26	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.2	ug/l	
95-48-7	2-Methylphenol	ND	5.2	2.1	ug/l	
	3&4-Methylphenol	ND	5.2	2.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	2.1	ug/l	
100-02-7	4-Nitrophenol	ND	26	10	ug/l	
87-86-5	Pentachlorophenol	ND	26	10	ug/l	
108-95-2	Phenol	ND	5.2	2.1	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	2.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	2.1	ug/l	
83-32-9	Acenaphthene	ND	5.2	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.2	1.0	ug/l	
120-12-7	Anthracene	ND	5.2	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.2	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.2	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.2	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.2	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.2	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.2	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.2	2.1	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	3.1	ug/l	
86-74-8	Carbazole	ND	5.2	1.0	ug/l	
218-01-9	Chrysene	ND	5.2	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.2	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.2	2.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.2	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.2	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	KWRB060804		
Lab Sample ID:	F24685-14	Date Sampled:	06/08/04
Matrix:	AQ - Equipment Blank	Date Received:	06/09/04
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	5.2	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.2	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.2	2.1	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.2	2.1	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.2	2.1	ug/l	
132-64-9	Dibenzofuran	ND	5.2	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.2	2.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.2	2.6	ug/l	
84-66-2	Diethyl phthalate	ND	5.2	2.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.2	2.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.2	2.6	ug/l	
206-44-0	Fluoranthene	ND	5.2	1.0	ug/l	
86-73-7	Fluorene	ND	5.2	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.2	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.2	2.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.2	2.1	ug/l	
67-72-1	Hexachloroethane	ND	5.2	2.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.2	2.1	ug/l	
78-59-1	Isophorone	ND	5.2	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.2	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	2.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	2.1	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	2.1	ug/l	
91-20-3	Naphthalene	ND	5.2	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.2	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.2	2.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	2.1	ug/l	
85-01-8	Phenanthrene	ND	5.2	1.0	ug/l	
129-00-0	Pyrene	ND	5.2	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		19-90%
4165-62-2	Phenol-d5	36%		10-68%
118-79-6	2,4,6-Tribromophenol	92%		36-137%
4165-60-0	Nitrobenzene-d5	87%		49-119%
321-60-8	2-Fluorobiphenyl	86%		45-118%
1718-51-0	Terphenyl-d14	104%		46-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	C03D-06C-06-0604		
Lab Sample ID:	F24685-1	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.8
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021951.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	840	330	ug/kg	
87-86-5	Pentachlorophenol	ND	840	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	84	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-06C-06-0604		
Lab Sample ID:	F24685-1	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.8
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	84	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	84	ug/kg	
99-09-2	3-Nitroaniline	ND	330	84	ug/kg	
100-01-6	4-Nitroaniline	ND	330	84	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		45-114%
4165-62-2	Phenol-d5	63%		44-124%
118-79-6	2,4,6-Tribromophenol	68%		50-128%
4165-60-0	Nitrobenzene-d5	56%		41-123%
321-60-8	2-Fluorobiphenyl	63%		46-122%
1718-51-0	Terphenyl-d14	71%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-06C-12-0604		
Lab Sample ID:	F24685-2	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021952.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	860	340	ug/kg	
87-86-5	Pentachlorophenol	ND	860	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-06C-12-0604		
Lab Sample ID:	F24685-2	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.1
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	86	ug/kg	
99-09-2	3-Nitroaniline	ND	340	86	ug/kg	
100-01-6	4-Nitroaniline	ND	340	86	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		45-114%
4165-62-2	Phenol-d5	67%		44-124%
118-79-6	2,4,6-Tribromophenol	73%		50-128%
4165-60-0	Nitrobenzene-d5	61%		41-123%
321-60-8	2-Fluorobiphenyl	67%		46-122%
1718-51-0	Terphenyl-d14	76%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-06C-24-0604		
Lab Sample ID:	F24685-3	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.3
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021965.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	970	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	77	ug/kg	
95-48-7	2-Methylphenol	ND	190	39	ug/kg	
	3&4-Methylphenol	ND	190	39	ug/kg	
88-75-5	2-Nitrophenol	ND	190	39	ug/kg	
100-02-7	4-Nitrophenol	ND	970	390	ug/kg	
87-86-5	Pentachlorophenol	ND	970	390	ug/kg	
108-95-2	Phenol	ND	190	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	39	ug/kg	
83-32-9	Acenaphthene	ND	190	39	ug/kg	
208-96-8	Acenaphthylene	ND	190	39	ug/kg	
120-12-7	Anthracene	ND	190	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	39	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	39	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	77	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	97	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	39	ug/kg	
106-47-8	4-Chloroaniline	ND	770	290	ug/kg	
86-74-8	Carbazole	ND	190	39	ug/kg	
218-01-9	Chrysene	ND	190	39	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	77	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	39	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-06C-24-0604		
Lab Sample ID:	F24685-3	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.3
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	190	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	77	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	77	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	77	ug/kg	
132-64-9	Dibenzofuran	ND	190	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	97	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	190	ug/kg	
84-66-2	Diethyl phthalate	ND	390	97	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	97	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	190	ug/kg	
206-44-0	Fluoranthene	ND	190	39	ug/kg	
86-73-7	Fluorene	ND	190	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	77	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	77	ug/kg	
67-72-1	Hexachloroethane	ND	190	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	77	ug/kg	
78-59-1	Isophorone	ND	190	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	97	ug/kg	
99-09-2	3-Nitroaniline	ND	390	97	ug/kg	
100-01-6	4-Nitroaniline	ND	390	97	ug/kg	
91-20-3	Naphthalene	ND	190	39	ug/kg	
98-95-3	Nitrobenzene	ND	190	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	77	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	39	ug/kg	
85-01-8	Phenanthrene	ND	190	39	ug/kg	
129-00-0	Pyrene	ND	190	77	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		45-114%
4165-62-2	Phenol-d5	72%		44-124%
118-79-6	2,4,6-Tribromophenol	78%		50-128%
4165-60-0	Nitrobenzene-d5	66%		41-123%
321-60-8	2-Fluorobiphenyl	71%		46-122%
1718-51-0	Terphenyl-d14	78%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	C03D-07C-06-0604		
Lab Sample ID:	F24685-7	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.2
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021959.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	840	340	ug/kg	
87-86-5	Pentachlorophenol	ND	840	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	48.9	170	34	ug/kg	J
50-32-8	Benzo(a)pyrene	65.7	170	34	ug/kg	J
205-99-2	Benzo(b)fluoranthene	81.9	170	34	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	70.5	170	34	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	84	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	80.9	170	34	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-07C-06-0604		
Lab Sample ID:	F24685-7	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.2
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	84	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	107	170	34	ug/kg	J
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	84	ug/kg	
99-09-2	3-Nitroaniline	ND	340	84	ug/kg	
100-01-6	4-Nitroaniline	ND	340	84	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	95.0	170	67	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		45-114%
4165-62-2	Phenol-d5	75%		44-124%
118-79-6	2,4,6-Tribromophenol	80%		50-128%
4165-60-0	Nitrobenzene-d5	72%		41-123%
321-60-8	2-Fluorobiphenyl	74%		46-122%
1718-51-0	Terphenyl-d14	84%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-07C-12-0604		
Lab Sample ID:	F24685-8	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.6
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021960.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	840	340	ug/kg	
87-86-5	Pentachlorophenol	ND	840	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	84	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-07C-12-0604		
Lab Sample ID:	F24685-8	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	97.6
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	84	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	84	ug/kg	
99-09-2	3-Nitroaniline	ND	340	84	ug/kg	
100-01-6	4-Nitroaniline	ND	340	84	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		45-114%
4165-62-2	Phenol-d5	69%		44-124%
118-79-6	2,4,6-Tribromophenol	77%		50-128%
4165-60-0	Nitrobenzene-d5	67%		41-123%
321-60-8	2-Fluorobiphenyl	70%		46-122%
1718-51-0	Terphenyl-d14	82%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-07C-24-0604		
Lab Sample ID:	F24685-9	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	92.4
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020386.D	1	06/17/04	ME	06/17/04	OP10707	SW1070
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	890	360	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	360	71	ug/kg	
95-48-7	2-Methylphenol	ND	180	36	ug/kg	
	3&4-Methylphenol	ND	180	36	ug/kg	
88-75-5	2-Nitrophenol	ND	180	36	ug/kg	
100-02-7	4-Nitrophenol	ND	890	360	ug/kg	
87-86-5	Pentachlorophenol	ND	890	360	ug/kg	
108-95-2	Phenol	ND	180	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	36	ug/kg	
83-32-9	Acenaphthene	ND	180	36	ug/kg	
208-96-8	Acenaphthylene	ND	180	36	ug/kg	
120-12-7	Anthracene	ND	180	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	36	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	36	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	36	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	71	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	36	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	36	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	36	ug/kg	
106-47-8	4-Chloroaniline	ND	710	270	ug/kg	
86-74-8	Carbazole	ND	180	36	ug/kg	
218-01-9	Chrysene	ND	180	36	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	36	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	71	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	36	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-07C-24-0604		
Lab Sample ID:	F24685-9	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	92.4
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	71	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	71	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	360	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	71	ug/kg	
132-64-9	Dibenzofuran	ND	180	36	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360	89	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360	180	ug/kg	
84-66-2	Diethyl phthalate	ND	360	89	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	89	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360	180	ug/kg	
206-44-0	Fluoranthene	ND	180	36	ug/kg	
86-73-7	Fluorene	ND	180	36	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	36	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	71	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	71	ug/kg	
67-72-1	Hexachloroethane	ND	180	71	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	71	ug/kg	
78-59-1	Isophorone	ND	180	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	36	ug/kg	
88-74-4	2-Nitroaniline	ND	360	89	ug/kg	
99-09-2	3-Nitroaniline	ND	360	89	ug/kg	
100-01-6	4-Nitroaniline	ND	360	89	ug/kg	
91-20-3	Naphthalene	ND	180	36	ug/kg	
98-95-3	Nitrobenzene	ND	180	36	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	71	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	36	ug/kg	
85-01-8	Phenanthrene	ND	180	36	ug/kg	
129-00-0	Pyrene	ND	180	71	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		45-114%
4165-62-2	Phenol-d5	70%		44-124%
118-79-6	2,4,6-Tribromophenol	77%		50-128%
4165-60-0	Nitrobenzene-d5	68%		41-123%
321-60-8	2-Fluorobiphenyl	72%		46-122%
1718-51-0	Terphenyl-d14	91%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	C03D-10C-06-0604		
Lab Sample ID:	F24685-4	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	93.9
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021954.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	880	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	71	ug/kg	
95-48-7	2-Methylphenol	ND	180	35	ug/kg	
	3&4-Methylphenol	ND	180	35	ug/kg	
88-75-5	2-Nitrophenol	ND	180	35	ug/kg	
100-02-7	4-Nitrophenol	ND	880	350	ug/kg	
87-86-5	Pentachlorophenol	ND	880	350	ug/kg	
108-95-2	Phenol	ND	180	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	35	ug/kg	
83-32-9	Acenaphthene	ND	180	35	ug/kg	
208-96-8	Acenaphthylene	ND	180	35	ug/kg	
120-12-7	Anthracene	ND	180	35	ug/kg	
56-55-3	Benzo(a)anthracene	108	180	35	ug/kg	J
50-32-8	Benzo(a)pyrene	97.0	180	35	ug/kg	J
205-99-2	Benzo(b)fluoranthene	134	180	35	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	180	71	ug/kg	
207-08-9	Benzo(k)fluoranthene	87.8	180	35	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	180	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	88	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	35	ug/kg	
106-47-8	4-Chloroaniline	ND	710	270	ug/kg	
86-74-8	Carbazole	ND	180	35	ug/kg	
218-01-9	Chrysene	140	180	35	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	180	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	71	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	35	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-10C-06-0604		
Lab Sample ID:	F24685-4	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	93.9
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	71	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	71	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	71	ug/kg	
132-64-9	Dibenzofuran	ND	180	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	88	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	180	ug/kg	
84-66-2	Diethyl phthalate	ND	350	88	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	88	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	180	ug/kg	
206-44-0	Fluoranthene	215	180	35	ug/kg	
86-73-7	Fluorene	ND	180	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	71	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	71	ug/kg	
67-72-1	Hexachloroethane	ND	180	71	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	71.5	180	71	ug/kg	J
78-59-1	Isophorone	ND	180	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	88	ug/kg	
99-09-2	3-Nitroaniline	ND	350	88	ug/kg	
100-01-6	4-Nitroaniline	ND	350	88	ug/kg	
91-20-3	Naphthalene	ND	180	35	ug/kg	
98-95-3	Nitrobenzene	ND	180	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	71	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	35	ug/kg	
85-01-8	Phenanthrene	51.6	180	35	ug/kg	J
129-00-0	Pyrene	179	180	71	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	180	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		45-114%
4165-62-2	Phenol-d5	72%		44-124%
118-79-6	2,4,6-Tribromophenol	77%		50-128%
4165-60-0	Nitrobenzene-d5	66%		41-123%
321-60-8	2-Fluorobiphenyl	70%		46-122%
1718-51-0	Terphenyl-d14	77%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-10C-12-0604		
Lab Sample ID:	F24685-5	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	93.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021955.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	35	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	870	350	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	70	ug/kg	
95-48-7	2-Methylphenol	ND	170	35	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	870	350	ug/kg	
87-86-5	Pentachlorophenol	ND	870	350	ug/kg	
108-95-2	Phenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	35	ug/kg	
83-32-9	Acenaphthene	ND	170	35	ug/kg	
208-96-8	Acenaphthylene	46.4	170	35	ug/kg	J
120-12-7	Anthracene	ND	170	35	ug/kg	
56-55-3	Benzo(a)anthracene	56.1	170	35	ug/kg	J
50-32-8	Benzo(a)pyrene	166	170	35	ug/kg	J
205-99-2	Benzo(b)fluoranthene	322	170	35	ug/kg	
191-24-2	Benzo(g,h,i)perylene	177	170	70	ug/kg	
207-08-9	Benzo(k)fluoranthene	205	170	35	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	35	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	87	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	35	ug/kg	
106-47-8	4-Chloroaniline	ND	700	260	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	116	170	35	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	170	35	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	70	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	35	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	C03D-10C-12-0604		
Lab Sample ID:	F24685-5	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	93.1
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	35	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	70	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	70	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	70	ug/kg	
132-64-9	Dibenzofuran	ND	170	35	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	87	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	170	ug/kg	
84-66-2	Diethyl phthalate	ND	350	87	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	87	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	170	ug/kg	
206-44-0	Fluoranthene	ND	170	35	ug/kg	
86-73-7	Fluorene	ND	170	35	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	35	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	70	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	70	ug/kg	
67-72-1	Hexachloroethane	ND	170	70	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	164	170	70	ug/kg	J
78-59-1	Isophorone	ND	170	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	35	ug/kg	
88-74-4	2-Nitroaniline	ND	350	87	ug/kg	
99-09-2	3-Nitroaniline	ND	350	87	ug/kg	
100-01-6	4-Nitroaniline	ND	350	87	ug/kg	
91-20-3	Naphthalene	ND	170	35	ug/kg	
98-95-3	Nitrobenzene	ND	170	35	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	70	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	35	ug/kg	
85-01-8	Phenanthrene	ND	170	35	ug/kg	
129-00-0	Pyrene	ND	170	70	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		45-114%
4165-62-2	Phenol-d5	67%		44-124%
118-79-6	2,4,6-Tribromophenol	74%		50-128%
4165-60-0	Nitrobenzene-d5	61%		41-123%
321-60-8	2-Fluorobiphenyl	65%		46-122%
1718-51-0	Terphenyl-d14	74%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-10C-24-0604		
Lab Sample ID:	F24685-6	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	92.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021956.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	890	360	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	360	71	ug/kg	
95-48-7	2-Methylphenol	ND	180	36	ug/kg	
	3&4-Methylphenol	ND	180	36	ug/kg	
88-75-5	2-Nitrophenol	ND	180	36	ug/kg	
100-02-7	4-Nitrophenol	ND	890	360	ug/kg	
87-86-5	Pentachlorophenol	ND	890	360	ug/kg	
108-95-2	Phenol	ND	180	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	36	ug/kg	
83-32-9	Acenaphthene	ND	180	36	ug/kg	
208-96-8	Acenaphthylene	ND	180	36	ug/kg	
120-12-7	Anthracene	ND	180	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	36	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	36	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	36	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	71	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	36	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	36	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	36	ug/kg	
106-47-8	4-Chloroaniline	ND	710	270	ug/kg	
86-74-8	Carbazole	ND	180	36	ug/kg	
218-01-9	Chrysene	ND	180	36	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	36	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	71	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	36	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-10C-24-0604		
Lab Sample ID:	F24685-6	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	92.1
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	180	36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	71	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	71	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	360	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	71	ug/kg	
132-64-9	Dibenzofuran	ND	180	36	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360	89	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360	180	ug/kg	
84-66-2	Diethyl phthalate	ND	360	89	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	89	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360	180	ug/kg	
206-44-0	Fluoranthene	ND	180	36	ug/kg	
86-73-7	Fluorene	ND	180	36	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	36	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	71	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	71	ug/kg	
67-72-1	Hexachloroethane	ND	180	71	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	71	ug/kg	
78-59-1	Isophorone	ND	180	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	36	ug/kg	
88-74-4	2-Nitroaniline	ND	360	89	ug/kg	
99-09-2	3-Nitroaniline	ND	360	89	ug/kg	
100-01-6	4-Nitroaniline	ND	360	89	ug/kg	
91-20-3	Naphthalene	ND	180	36	ug/kg	
98-95-3	Nitrobenzene	ND	180	36	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	71	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	36	ug/kg	
85-01-8	Phenanthrene	ND	180	36	ug/kg	
129-00-0	Pyrene	ND	180	71	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		45-114%
4165-62-2	Phenol-d5	69%		44-124%
118-79-6	2,4,6-Tribromophenol	76%		50-128%
4165-60-0	Nitrobenzene-d5	67%		41-123%
321-60-8	2-Fluorobiphenyl	71%		46-122%
1718-51-0	Terphenyl-d14	79%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-11C-06-0604		
Lab Sample ID:	F24685-11	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.0
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021962.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	840	340	ug/kg	
87-86-5	Pentachlorophenol	ND	840	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	79.8	170	34	ug/kg	J
50-32-8	Benzo(a)pyrene	87.0	170	34	ug/kg	J
205-99-2	Benzo(b)fluoranthene	109	170	34	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	76.3	170	67	ug/kg	J
207-08-9	Benzo(k)fluoranthene	89.8	170	34	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	84	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	115	170	34	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	C03D-11C-06-0604		
Lab Sample ID:	F24685-11	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.0
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	84	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	155	170	34	ug/kg	J
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	71.7	170	67	ug/kg	J
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	84	ug/kg	
99-09-2	3-Nitroaniline	ND	340	84	ug/kg	
100-01-6	4-Nitroaniline	ND	340	84	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	139	170	67	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		45-114%
4165-62-2	Phenol-d5	74%		44-124%
118-79-6	2,4,6-Tribromophenol	77%		50-128%
4165-60-0	Nitrobenzene-d5	71%		41-123%
321-60-8	2-Fluorobiphenyl	74%		46-122%
1718-51-0	Terphenyl-d14	80%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-11C-12-0604		
Lab Sample ID:	F24685-12	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.9
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021963.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	69	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	860	340	ug/kg	
87-86-5	Pentachlorophenol	ND	860	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	86	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	690	260	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-11C-12-0604		
Lab Sample ID:	F24685-12	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.9
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	69	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	69	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	86	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	86	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	69	ug/kg	
67-72-1	Hexachloroethane	ND	170	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	69	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	86	ug/kg	
99-09-2	3-Nitroaniline	ND	340	86	ug/kg	
100-01-6	4-Nitroaniline	ND	340	86	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		45-114%
4165-62-2	Phenol-d5	71%		44-124%
118-79-6	2,4,6-Tribromophenol	74%		50-128%
4165-60-0	Nitrobenzene-d5	68%		41-123%
321-60-8	2-Fluorobiphenyl	69%		46-122%
1718-51-0	Terphenyl-d14	82%		45-135%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	C03D-11C-24-0604		
Lab Sample ID:	F24685-13	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L021964.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	34	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	850	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	340	68	ug/kg	
95-48-7	2-Methylphenol	ND	170	34	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	34	ug/kg	
100-02-7	4-Nitrophenol	ND	850	340	ug/kg	
87-86-5	Pentachlorophenol	ND	850	340	ug/kg	
108-95-2	Phenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	170	34	ug/kg	
208-96-8	Acenaphthylene	ND	170	34	ug/kg	
120-12-7	Anthracene	ND	170	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	68	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	34	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	34	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	85	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	34	ug/kg	
106-47-8	4-Chloroaniline	ND	680	250	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	
218-01-9	Chrysene	ND	170	34	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	34	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	68	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	C03D-11C-24-0604		
Lab Sample ID:	F24685-13	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8270C SW846 3550B	Percent Solids:	96.1
Project:	NAS Key West/CTO 349; Key West, FL		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	170	34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	34	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	68	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	68	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	340	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	68	ug/kg	
132-64-9	Dibenzofuran	ND	170	34	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	85	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	170	ug/kg	
84-66-2	Diethyl phthalate	ND	340	85	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	85	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	170	ug/kg	
206-44-0	Fluoranthene	ND	170	34	ug/kg	
86-73-7	Fluorene	ND	170	34	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	68	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	68	ug/kg	
67-72-1	Hexachloroethane	ND	170	68	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	68	ug/kg	
78-59-1	Isophorone	ND	170	34	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	34	ug/kg	
88-74-4	2-Nitroaniline	ND	340	85	ug/kg	
99-09-2	3-Nitroaniline	ND	340	85	ug/kg	
100-01-6	4-Nitroaniline	ND	340	85	ug/kg	
91-20-3	Naphthalene	ND	170	34	ug/kg	
98-95-3	Nitrobenzene	ND	170	34	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	68	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	34	ug/kg	
85-01-8	Phenanthrene	ND	170	34	ug/kg	
129-00-0	Pyrene	ND	170	68	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		45-114%
4165-62-2	Phenol-d5	71%		44-124%
118-79-6	2,4,6-Tribromophenol	71%		50-128%
4165-60-0	Nitrobenzene-d5	70%		41-123%
321-60-8	2-Fluorobiphenyl	70%		46-122%
1718-51-0	Terphenyl-d14	78%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	KWRB060804		
Lab Sample ID:	F24685-14	Date Sampled:	06/08/04
Matrix:	AQ - Equipment Blank	Date Received:	06/09/04
Method:	SW846 8082 SW846 3510C	Percent Solids:	n/a
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST28347.D	1	06/15/04	SKW	06/14/04	OP10673	GST891
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.25	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.40	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.40	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.25	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.25	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.25	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		49-124%
2051-24-3	Decachlorobiphenyl	72%		26-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	C03D-06C-06-0604		
Lab Sample ID:	F24685-1	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	97.8
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28384.D	10	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	170	84	ug/kg	
11104-28-2	Aroclor 1221	ND	170	130	ug/kg	
11141-16-5	Aroclor 1232	ND	170	130	ug/kg	
53469-21-9	Aroclor 1242	ND	170	84	ug/kg	
12672-29-6	Aroclor 1248	ND	170	84	ug/kg	
11097-69-1	Aroclor 1254	ND	170	84	ug/kg	
11096-82-5	Aroclor 1260	842	170	84	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		52-136%
2051-24-3	Decachlorobiphenyl	89%		49-148%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	C03D-06C-12-0604		
Lab Sample ID:	F24685-2	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	95.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28385.D	5	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	87	44	ug/kg	
11104-28-2	Aroclor 1221	ND	87	70	ug/kg	
11141-16-5	Aroclor 1232	ND	87	70	ug/kg	
53469-21-9	Aroclor 1242	ND	87	44	ug/kg	
12672-29-6	Aroclor 1248	ND	87	44	ug/kg	
11097-69-1	Aroclor 1254 [b]	109	87	44	ug/kg	J
11096-82-5	Aroclor 1260 [b]	517	87	44	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		52-136%
2051-24-3	Decachlorobiphenyl	93%		49-148%

(a) All hits confirmed by dual column analysis.
(b) Estimated value due to the presence of multiple overlapping Aroclor patterns.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-06C-24-0604		
Lab Sample ID:	F24685-3	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	85.3
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28386.D	100	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	1900	960	ug/kg	
11104-28-2	Aroclor 1221	ND	1900	1500	ug/kg	
11141-16-5	Aroclor 1232	ND	1900	1500	ug/kg	
53469-21-9	Aroclor 1242	ND	1900	960	ug/kg	
12672-29-6	Aroclor 1248	ND	1900	960	ug/kg	
11097-69-1	Aroclor 1254	ND	1900	960	ug/kg	
11096-82-5	Aroclor 1260	11400	1900	960	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		52-136%
2051-24-3	Decachlorobiphenyl	0% [b]		49-148%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

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Report of Analysis

Client Sample ID:	C03D-07C-06-0604		
Lab Sample ID:	F24685-7	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	98.2
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28393.D	50	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	830	420	ug/kg	
11104-28-2	Aroclor 1221	ND	830	670	ug/kg	
11141-16-5	Aroclor 1232	ND	830	670	ug/kg	
53469-21-9	Aroclor 1242	ND	830	420	ug/kg	
12672-29-6	Aroclor 1248	ND	830	420	ug/kg	
11097-69-1	Aroclor 1254	ND	830	420	ug/kg	
11096-82-5	Aroclor 1260	3270	830	420	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		52-136%
2051-24-3	Decachlorobiphenyl	0% [b]		49-148%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

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Report of Analysis

Client Sample ID:	C03D-07C-12-0604		
Lab Sample ID:	F24685-8	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	97.6
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28394.D	4	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	67	34	ug/kg	
11104-28-2	Aroclor 1221	ND	67	54	ug/kg	
11141-16-5	Aroclor 1232	ND	67	54	ug/kg	
53469-21-9	Aroclor 1242	ND	67	34	ug/kg	
12672-29-6	Aroclor 1248	ND	67	34	ug/kg	
11097-69-1	Aroclor 1254	ND	67	34	ug/kg	
11096-82-5	Aroclor 1260	442	67	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		52-136%
2051-24-3	Decachlorobiphenyl	87%		49-148%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	C03D-07C-24-0604		
Lab Sample ID:	F24685-9	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	92.4
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28395.D	40	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	720	360	ug/kg	
11104-28-2	Aroclor 1221	ND	720	580	ug/kg	
11141-16-5	Aroclor 1232	ND	720	580	ug/kg	
53469-21-9	Aroclor 1242	ND	720	360	ug/kg	
12672-29-6	Aroclor 1248	ND	720	360	ug/kg	
11097-69-1	Aroclor 1254	ND	720	360	ug/kg	
11096-82-5	Aroclor 1260	1750	720	360	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		52-136%
2051-24-3	Decachlorobiphenyl	0% [b]		49-148%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-10C-06-0604		
Lab Sample ID:	F24685-4	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	93.9
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28387.D	20	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	350	170	ug/kg	
11104-28-2	Aroclor 1221	ND	350	280	ug/kg	
11141-16-5	Aroclor 1232	ND	350	280	ug/kg	
53469-21-9	Aroclor 1242	ND	350	170	ug/kg	
12672-29-6	Aroclor 1248	ND	350	170	ug/kg	
11097-69-1	Aroclor 1254	ND	350	170	ug/kg	
11096-82-5	Aroclor 1260	2160	350	170	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		52-136%
2051-24-3	Decachlorobiphenyl	94%		49-148%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-10C-12-0604		
Lab Sample ID:	F24685-5	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	93.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28388.D	4	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	71	36	ug/kg	
11104-28-2	Aroclor 1221	ND	71	57	ug/kg	
11141-16-5	Aroclor 1232	ND	71	57	ug/kg	
53469-21-9	Aroclor 1242	ND	71	36	ug/kg	
12672-29-6	Aroclor 1248	ND	71	36	ug/kg	
11097-69-1	Aroclor 1254	ND	71	36	ug/kg	
11096-82-5	Aroclor 1260	313	71	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		52-136%
2051-24-3	Decachlorobiphenyl	83%		49-148%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-10C-24-0604		
Lab Sample ID:	F24685-6	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	92.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28389.D	2	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	18	ug/kg	
11104-28-2	Aroclor 1221	ND	35	28	ug/kg	
11141-16-5	Aroclor 1232	ND	35	28	ug/kg	
53469-21-9	Aroclor 1242	ND	35	18	ug/kg	
12672-29-6	Aroclor 1248	ND	35	18	ug/kg	
11097-69-1	Aroclor 1254	ND	35	18	ug/kg	
11096-82-5	Aroclor 1260	265	35	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		52-136%
2051-24-3	Decachlorobiphenyl	83%		49-148%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-11C-06-0604		
Lab Sample ID:	F24685-11	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	98.0
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28397.D	100	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	1700	830	ug/kg	
11104-28-2	Aroclor 1221	ND	1700	1300	ug/kg	
11141-16-5	Aroclor 1232	ND	1700	1300	ug/kg	
53469-21-9	Aroclor 1242	ND	1700	830	ug/kg	
12672-29-6	Aroclor 1248	ND	1700	830	ug/kg	
11097-69-1	Aroclor 1254	ND	1700	830	ug/kg	
11096-82-5	Aroclor 1260	17200	1700	830	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		52-136%
2051-24-3	Decachlorobiphenyl	0% [b]		49-148%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-11C-12-0604		
Lab Sample ID:	F24685-12	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	96.9
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28398.D	1	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	17	8.5	ug/kg	
11104-28-2	Aroclor 1221	ND	17	14	ug/kg	
11141-16-5	Aroclor 1232	ND	17	14	ug/kg	
53469-21-9	Aroclor 1242	ND	17	8.5	ug/kg	
12672-29-6	Aroclor 1248	ND	17	8.5	ug/kg	
11097-69-1	Aroclor 1254	ND	17	8.5	ug/kg	
11096-82-5	Aroclor 1260	114	17	8.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		52-136%
2051-24-3	Decachlorobiphenyl	81%		49-148%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-11C-24-0604		
Lab Sample ID:	F24685-13	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	96.1
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28399.D	1	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	17	8.6	ug/kg	
11104-28-2	Aroclor 1221	ND	17	14	ug/kg	
11141-16-5	Aroclor 1232	ND	17	14	ug/kg	
53469-21-9	Aroclor 1242	ND	17	8.6	ug/kg	
12672-29-6	Aroclor 1248	ND	17	8.6	ug/kg	
11097-69-1	Aroclor 1254	ND	17	8.6	ug/kg	
11096-82-5	Aroclor 1260	16.4	17	8.6	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		52-136%
2051-24-3	Decachlorobiphenyl	79%		49-148%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST Laboratories

Report of Analysis

Client Sample ID:	KW-DUP-05-0604		
Lab Sample ID:	F24685-10	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
Method:	SW846 8082 SW846 3550B	Percent Solids:	96.7
Project:	NAS Key West/CTO 349; Key West, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST28396.D	1	06/17/04	SKW	06/14/04	OP10676	GST892
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	17	8.5	ug/kg	
11104-28-2	Aroclor 1221	ND	17	14	ug/kg	
11141-16-5	Aroclor 1232	ND	17	14	ug/kg	
53469-21-9	Aroclor 1242	ND	17	8.5	ug/kg	
12672-29-6	Aroclor 1248	ND	17	8.5	ug/kg	
11097-69-1	Aroclor 1254	ND	17	8.5	ug/kg	
11096-82-5	Aroclor 1260	114	17	8.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		52-136%
2051-24-3	Decachlorobiphenyl	80%		49-148%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG F24685

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	UG/L	KWRB060804	F24685-14	NM	06/08/2004	06/10/2004	06/11/2004	2	1	3
M	MG/KG	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	UG/L	KWRB060804	F24685-14	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
CN	MG/L	KWRB060804	F24685-14	NM	06/08/2004	06/16/2004	06/16/2004	8	0	8
PCS	%	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	KW-DUP-05-0604	F24685-10	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCS	%	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
OS	%	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	KWRB060804	F24685-14	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/L	KWRB060804	F24685-14	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
PCB	%	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	KWRB060804	F24685-14	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
PCB	%	KW-DUP-05-0604	F24685-10	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	KW-DUP-05-0604	F24685-10	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/L	KWRB060804	F24685-14	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7

FIELD DUPLICATE PRECISION

ANALYTE	03D-07-24-0604	QUAL	KW-DUP-05-0604	QUAL	RPD	DIFFERENCE
Aroclor-1260	1750		114		175.54	1636

Sample Summary

Tetra Tech, NUS

Job No: F24685

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F24685-1	06/08/04	09:40	GB	06/09/04	SO	Soil	C03D-06C-06-0604
F24685-2	06/08/04	09:40	GB	06/09/04	SO	Soil	C03D-06C-12-0604
F24685-3	06/08/04	09:40	GB	06/09/04	SO	Soil	C03D-06C-24-0604
F24685-4	06/08/04	10:50	GB	06/09/04	SO	Soil	C03D-10C-06-0604
F24685-5	06/08/04	10:50	GB	06/09/04	SO	Soil	C03D-10C-12-0604
F24685-6	06/08/04	10:50	GB	06/09/04	SO	Soil	C03D-10C-24-0604
F24685-6D	06/08/04	10:50	GB	06/09/04	SO	Soil Dup/MSD	C03D-10C-24-0604
F24685-6S	06/08/04	10:50	GB	06/09/04	SO	Soil Matrix Spike	C03D-10C-24-0604
F24685-7	06/08/04	14:02	GB	06/09/04	SO	Soil	C03D-07C-06-0604
F24685-8	06/08/04	14:02	GB	06/09/04	SO	Soil	C03D-07C-12-0604
F24685-9	06/08/04	14:05	GB	06/09/04	SO	Soil	C03D-07C-24-0604
F24685-10	06/08/04	00:00	GB	06/09/04	SO	Soil	KW-DUP-05-0604
F24685-11	06/08/04	15:00	GB	06/09/04	SO	Soil	C03D-11C-06-0604

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F24685

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F24685-12	06/08/04	15:00 GB	06/09/04	SO	Soil	C03D-11C-12-0604
F24685-13	06/08/04	15:00 GB	06/09/04	SO	Soil	C03D-11C-24-0604
F24685-14	06/08/04	15:30 GB	06/09/04	AQ	Equipment Blank	KWRB060804

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

#6

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:

ACCUTEST QUOTE #: F24685

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge
CITY, STATE, ZIP: Aiken SC 29803
SEND REPORT TO:
PHONE #: 803 649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West, Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803 642-8454

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	TAL Metals + Sn	TCL SVOCs	TCL PCBs	LAB USE ONLY
1	C03D-06C-06-0604	6/8/04	0940	GB	SO	3					X	X	X	X	
2	C03D-06C-12-0604		0940			3									
3	C03D-06C-24-0604		0940			3									
4	C03D-10C-06-0604		1050			3									
5	C03D-10C-12-0604		1050			3									
6	C03D-10C-24-0604		1050			3									
6	C03D-10C-24-0604MS		1050			3									
6	C03D-10C-24-0604MSD		1050			3									
7	C03D-07C-06-0604		1402			3									
8	C03D-07C-12-0604		1402			3									

DATA TURNAROUND INFORMATION

☐ STANDARD
☐ 48 HOUR RUSH
☐ 24 HOUR EMERGENCY
☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☒ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	6/8/04	1. FED Ex	2. FED Ex	6/9/04 09:00	2. Jeff Mitchell
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 2.2, 1.8 C

F24685: Chain of Custody
Page 1 of 3

ACCUTEST Laboratories

#7

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:

ACCUTEST QUOTE #: F24685

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge Rd
CITY: Aiken STATE: SC ZIP: 29803
SEND REPORT TO:
PHONE #: 649-87963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West, Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803 642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	TAL Metal + SN	TCL SVOC	TCL PCB	CN	LAB USE ONLY
9	C03D-07C-24-0604	6/8/04	1405	GB	SO	3					X	X	X	X		
10	KW-DUP-05-0604		0000			1								X		
11	C03D-01C-06-0604		1500			3						X	X	X		
12	C03D-11C-12-0604		1500			3										
13	C03D-11C-24-0604		1500			3										
14	KWRB060804	6/8/04	1530	BC	LIQ	4					X		X	X		
14	KWRB060804	6/8/04	1530	BC	LIQ	1			X			X				
14	KWRB060804	6/8/04	1530	BC	LIQ	1		X							X	

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	6/8/04	1. FED Ex	2. FED Ex	6/9/04 09:00	2. Jeff Mistroff
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE ____ C

ACCUTEST Laboratories

Initial Calibration Verification

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1171-ICV1171
Lab FileID: L021799.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\060704\L021799.D Vial: 8
Acq On : 7 Jun 2004 4:18 pm Operator: marke
Sample : icv1171-50 Inst : MSBNA02
Misc : op10599,sl1171,30.5,,,1,1,soil Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Mon Jun 07 16:42:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	111	0.00	4.98
2		1,4-Dioxane	50.000	49.972	0.1	0	0.00	2.58
3		N-nitrosodimethylamine	50.000	55.028	-10.1	0	0.00	2.91
4		Pyridine	50.000	46.316	7.4	0	0.00	2.91
5		Benzaldehyde	50.000	0.565	98.9#	0	0.00	4.65
6		Aniline	50.000	15.654	68.7#	0	0.00	4.76
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	52.693	-5.4	0	0.00	4.79
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	51.825	-3.7	0	0.00	4.77
11		2-Chlorophenol	50.000	51.557	-3.1	0	0.00	4.85
12		1,3-Dichlorobenzene	50.000	49.734	0.5	0	0.00	4.95
13	C	1,4-Dichlorobenzene	50.000	49.884	0.2	0	0.00	4.99
14		1,2-Dichlorobenzene	50.000	50.675	-1.3	0	0.00	5.15
15		Benzyl alcohol	50.000	50.881	-1.8	0	0.00	5.11
16		bis(2-chloroisopropyl)eth	50.000	53.421	-6.8	0	0.00	5.23
17		2-Methylphenol	50.000	50.337	-0.7	0	0.00	5.23
18		Acetophenone	50.000	49.434	1.1	0	0.00	5.33
19		Hexachloroethane	50.000	51.806	-3.6	0	0.00	5.41
20	P	N-Nitroso-di-n-propylamin	50.000	49.871	0.3	0	0.00	5.35
21		3&4-Methylphenol	100.000	99.422	0.6	0	0.00	5.35
22	I	Naphthalene-d8	40.000	40.000	0.0	113	0.00	6.16
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	49.186	1.6	0	0.00	5.49
25		Isophorone	50.000	51.521	-3.0	0	0.00	5.70
26	C	2-Nitrophenol	50.000	51.497	-3.0	0	0.00	5.79
27		2,4-Dimethylphenol	50.000	51.126	-2.3	0	0.00	5.83
28		bis(2-Chloroethoxy)methan	50.000	46.163	7.7	0	0.00	5.91
		----------	Amount	Calc.	%Drift	----------		
29		Benzoic Acid	100.000	100.872	-0.9	0	0.00	5.97
		----------	Amount	Calc.	%Drift	----------		
30	C	2,4-Dichlorophenol	50.000	52.123	-4.2	0	0.00	6.03
31		1,2,4-Trichlorobenzene	50.000	50.158	-0.3	0	0.00	6.11
32		Naphthalene	50.000	50.993	-2.0	0	0.00	6.18
33		4-Chloroaniline	50.000	26.732	46.5#	0	0.00	6.26
34		2,6-Dichlorophenol	50.000	46.843	6.3	0	0.00	6.27
35	C	Hexachlorobutadiene	50.000	48.635	2.7	0	0.00	6.37
36		Caprolactam	50.000	49.805	0.4	0	0.00	6.63
37	C	4-Chloro-3-methylphenol	50.000	50.649	-1.3	0	0.00	6.84

Initial Calibration Verification

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1171-ICV1171
Lab FileID: L021799.D

			Amount	Calc.	%Drift			
38		2-Methylnaphthalene	50.000	48.119	3.8	0	0.00	6.98
39		1-Methylnaphthalene	50.000	50.012	-0.0	0	0.00	7.12
40		1,2,4,5-Tetrachlorobenzen	50.000	46.849	6.3	0	0.00	7.25
41	I	Acenaphthene-d10	40.000	40.000	0.0	111	0.00	8.49
			Amount	Calc.	%Drift			
42	P	Hexachlorocyclopentadiene	50.000	47.247	5.5	0	0.00	7.28
			Amount	Calc.	%Drift			
43	C	2,4,6-Trichlorophenol	50.000	47.871	4.3	0	0.00	7.41
44		2,4,5-Trichlorophenol	50.000	49.394	1.2	0	0.00	7.47
45	S	2-Fluorobiphenyl		NA				
46		1,1'-Biphenyl	50.000	47.822	4.4	0	0.00	7.62
47		2-Chloronaphthalene	50.000	48.680	2.6	0	0.00	7.64
48		2-Nitroaniline	50.000	50.504	-1.0	0	0.00	7.84
49		Acenaphthylene	50.000	49.623	0.8	0	0.00	8.26
50		Dimethylphthalate	50.000	50.158	-0.3	0	0.00	8.16
51		2,6-Dinitrotoluene	50.000	49.055	1.9	0	0.00	8.26
52	C	Acenaphthene	50.000	52.537	-5.1	0	0.00	8.54
53		3-Nitroaniline	50.000	33.043	33.9#	0	0.00	8.48
			Amount	Calc.	%Drift			
54	P	2,4-Dinitrophenol	100.000	97.655	2.3	0	0.00	8.65
			Amount	Calc.	%Drift			
55		Dibenzofuran	50.000	48.723	2.6	0	0.00	8.80
56		2,4-Dinitrotoluene	50.000	50.226	-0.5	0	0.00	8.89
			Amount	Calc.	%Drift			
57	P	4-Nitrophenol	100.000	97.344	2.7	0	0.00	8.84
			Amount	Calc.	%Drift			
58		2,3,4,6-Tetrachlorophenol	50.000	46.346	7.3	0	0.00	9.09
59		Fluorene	50.000	52.671	-5.3	0	0.00	9.37
60		4-Chlorophenyl-phenylethe	50.000	49.459	1.1	0	0.00	9.39
61		Diethylphthalate	50.000	50.507	-1.0	0	0.00	9.32
62		4-Nitroaniline	50.000	48.481	3.0	0	0.00	9.50
63	I	Phenanthrene-d10	40.000	40.000	0.0	111	0.00	10.98
			Amount	Calc.	%Drift			
64		4,6-Dinitro-2-methylpheno	100.000	106.244	-6.2	0	0.00	9.58
			Amount	Calc.	%Drift			
65	C	n-Nitrosodiphenylamine	50.000	51.025	-2.0	0	0.00	9.61
66		1,2-Diphenylhydrazine	50.000	52.320	-4.6	0	0.00	9.66
67	S	2,4,6-Tribromophenol		NA				
68		4-Bromophenyl-phenylether	50.000	50.981	-2.0	0	0.00	10.22
69		Hexachlorobenzene	50.000	49.888	0.2	0	0.00	10.45
70		Atrazine	50.000	19.724	60.6#	0	0.00	10.64
			Amount	Calc.	%Drift			
71	C	Pentachlorophenol	100.000	96.837	3.2	0	0.00	10.80
			Amount	Calc.	%Drift			
72		Phenanthrene	50.000	52.898	-5.8	0	0.00	11.02
73		Anthracene	50.000	51.558	-3.1	0	0.00	11.10
74		Carbazole	50.000	50.241	-0.5	0	0.00	11.44
75		Di-n-butylphthalate	50.000	50.387	-0.8	0	0.00	12.28

Initial Calibration Verification

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1171-ICV1171
Lab FileID: L021799.D

76	C	Fluoranthene	50.000	50.604	-1.2	0	0.00	13.21
77	I	Chrysene-d12	40.000	40.000	0.0	109	0.00	15.93
78		Benzidine		----------NA----------				
79		Pyrene	50.000	54.850	-9.7	0	0.00	13.61
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	51.979	-4.0	0	0.00	15.08
82		3,3'-Dichlorobenzidine	50.000	35.873	28.3#	0	-0.01	15.95
83		Benzo[a]anthracene	50.000	52.958	-5.9	0	0.00	15.90
84		Chrysene	50.000	54.588	-9.2	0	0.00	15.98
85		bis(2-Ethylhexyl)phthalat	50.000	51.364	-2.7	0	0.00	16.29
86	I	Perylene-d12	40.000	40.000	0.0	107	0.00	18.45
87	C	Di-n-octylphthalate	50.000	57.607	-15.2	0	0.00	17.41
88		Benzo[b]fluoranthene	50.000	52.948	-5.9	0	0.00	17.84
89		Benzo[k]fluoranthene	50.000	54.243	-8.5	0	0.00	17.88
90	C	Benzo[a]pyrene	50.000	53.834	-7.7	0	0.00	18.35
91		Indeno[1,2,3-cd]pyrene	50.000	51.061	-2.1	0	0.00	20.07
92		Dibenz[a,h]anthracene	50.000	51.259	-2.5	0	-0.01	20.10
93		Benzo[g,h,i]perylene	50.000	51.122	-2.2	0	-0.01	20.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L021799.D 8270C.M Tue Jun 08 09:23:06 2004

Method Blank Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MB	L021948.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-11, F24685-12, F24685-13

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	

ACCUTEST Laboratories

Method Blank Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MB	L021948.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-11, F24685-12, F24685-13

CAS No.	Compound	Result	RL	MDL	Units	Q
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	83	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	81%	45-114%
4165-62-2	Phenol-d5	81%	44-124%
118-79-6	2,4,6-Tribromophenol	83%	50-128%
4165-60-0	Nitrobenzene-d5	77%	41-123%
321-60-8	2-Fluorobiphenyl	78%	46-122%

ACCUTEST Laboratories

Method Blank Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MB	L021948.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-11, F24685-12, F24685-13

CAS No.	Surrogate Recoveries		Limits
1718-51-0	Terphenyl-d14	95%	45-135%

Method Blank Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10707-MB	W020385.D	1	06/17/04	ME	06/17/04	OP10707	SW1070

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-9

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	670	250	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	

Method Blank Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10707-MB	W020385.D	1	06/17/04	ME	06/17/04	OP10707	SW1070

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-9

CAS No.	Compound	Result	RL	MDL	Units	Q
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	83	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	59%	45-114%
4165-62-2	Phenol-d5	57%	44-124%
118-79-6	2,4,6-Tribromophenol	50%	50-128%
4165-60-0	Nitrobenzene-d5	57%	41-123%
321-60-8	2-Fluorobiphenyl	54%	46-122%

ACCUTEST Laboratories

Method Blank Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10707-MB	W020385.D	1	06/17/04	ME	06/17/04	OP10707	SW1070

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-9

CAS No.	Surrogate Recoveries		Limits
1718-51-0	Terphenyl-d14	65%	45-135%

ACCUTEST Laboratories

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-BS	L021953.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-11, F24685-12, F24685-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1320	79	70-102
59-50-7	4-Chloro-3-methyl phenol	1670	1400	84	70-103
120-83-2	2,4-Dichlorophenol	1670	1410	85	70-101
105-67-9	2,4-Dimethylphenol	1670	1310	79	39-100
51-28-5	2,4-Dinitrophenol	3330	2400	72	34-131
534-52-1	4,6-Dinitro-o-cresol	3330	2820	85	55-122
95-48-7	2-Methylphenol	1670	1310	79	66-100
	3&4-Methylphenol	3330	2600	78	68-100
88-75-5	2-Nitrophenol	1670	1350	81	70-102
100-02-7	4-Nitrophenol	3330	2760	83	63-112
87-86-5	Pentachlorophenol	3330	2770	83	58-111
108-95-2	Phenol	1670	1320	79	68-99
95-95-4	2,4,5-Trichlorophenol	1670	1440	86	72-103
88-06-2	2,4,6-Trichlorophenol	1670	1420	85	68-100
83-32-9	Acenaphthene	1670	1480	89	73-100
208-96-8	Acenaphthylene	1670	1410	85	75-111
120-12-7	Anthracene	1670	1530	92	76-106
56-55-3	Benzo(a)anthracene	1670	1540	92	76-105
50-32-8	Benzo(a)pyrene	1670	1570	94	74-116
205-99-2	Benzo(b)fluoranthene	1670	1630	98	73-114
191-24-2	Benzo(g,h,i)perylene	1670	1570	94	67-115
207-08-9	Benzo(k)fluoranthene	1670	1510	91	72-115
101-55-3	4-Bromophenyl phenyl ether	1670	1570	94	76-102
85-68-7	Butyl benzyl phthalate	1670	1600	96	70-111
91-58-7	2-Chloronaphthalene	1670	1370	82	73-101
106-47-8	4-Chloroaniline	1670	887	53	18-101
86-74-8	Carbazole	1670	1420	85	74-113
218-01-9	Chrysene	1670	1550	93	76-102
111-91-1	bis(2-Chloroethoxy)methane	1670	1230	74	61-101
111-44-4	bis(2-Chloroethyl)ether	1670	1280	77	70-103
7005-72-3	4-Chlorophenyl phenyl ether	1670	1440	86	75-103
95-50-1	1,2-Dichlorobenzene	1670	1280	77	69-101
541-73-1	1,3-Dichlorobenzene	1670	1210	73	67-100
106-46-7	1,4-Dichlorobenzene	1670	1250	75	69-100
121-14-2	2,4-Dinitrotoluene	1670	1380	83	74-112
606-20-2	2,6-Dinitrotoluene	1670	1420	85	74-114

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-BS	L021953.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-11, F24685-12, F24685-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
91-94-1	3,3'-Dichlorobenzidine	1670	958	57	30-102
53-70-3	Dibenzo(a,h)anthracene	1670	1530	92	66-116
132-64-9	Dibenzofuran	1670	1410	85	75-101
84-74-2	Di-n-butyl phthalate	1670	1510	91	75-109
117-84-0	Di-n-octyl phthalate	1670	1800	108	64-128
84-66-2	Diethyl phthalate	1670	1430	86	75-109
131-11-3	Dimethyl phthalate	1670	1410	85	76-106
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1560	94	69-115
206-44-0	Fluoranthene	1670	1450	87	76-112
86-73-7	Fluorene	1670	1510	91	75-105
118-74-1	Hexachlorobenzene	1670	1500	90	76-103
87-68-3	Hexachlorobutadiene	1670	1340	80	62-91
77-47-4	Hexachlorocyclopentadiene	1670	784	47	33-112
67-72-1	Hexachloroethane	1670	1250	75	68-104
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1510	91	67-119
78-59-1	Isophorone	1670	1350	81	74-103
91-57-6	2-Methylnaphthalene	1670	1290	77	71-100
88-74-4	2-Nitroaniline	1670	1470	88	75-109
99-09-2	3-Nitroaniline	1670	1150	69	47-103
100-01-6	4-Nitroaniline	1670	1250	75	60-113
91-20-3	Naphthalene	1670	1310	79	73-100
98-95-3	Nitrobenzene	1670	1280	77	73-101
621-64-7	N-Nitroso-di-n-propylamine	1670	1310	79	69-104
86-30-6	N-Nitrosodiphenylamine	1670	1540	92	80-113
85-01-8	Phenanthrene	1670	1540	92	76-104
129-00-0	Pyrene	1670	1650	99	70-106
120-82-1	1,2,4-Trichlorobenzene	1670	1330	80	72-100

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	80%	45-114%
4165-62-2	Phenol-d5	81%	44-124%
118-79-6	2,4,6-Tribromophenol	90%	50-128%
4165-60-0	Nitrobenzene-d5	76%	41-123%
321-60-8	2-Fluorobiphenyl	80%	46-122%

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-BS	L021953.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-11, F24685-12, F24685-13

CAS No.	Surrogate Recoveries	BSP	Limits
1718-51-0	Terphenyl-d14	91%	45-135%

ACCUTEST laboratories

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10678-BS	W020345.D	1	06/16/04	ME	06/15/04	OP10678	SW1068

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	39.6	79	62-103
59-50-7	4-Chloro-3-methyl phenol	50	39.1	78	64-103
120-83-2	2,4-Dichlorophenol	50	41.7	83	64-103
105-67-9	2,4-Dimethylphenol	50	37.9	76	43-94
51-28-5	2,4-Dinitrophenol	100	75.6	76	12-125
534-52-1	4,6-Dinitro-o-cresol	100	90.5	91	47-119
95-48-7	2-Methylphenol	50	33.9	68	54-91
	3&4-Methylphenol	100	61.4	61	48-86
88-75-5	2-Nitrophenol	50	43.2	86	64-104
100-02-7	4-Nitrophenol	100	32.4	32	22-50
87-86-5	Pentachlorophenol	100	85.1	85	50-111
108-95-2	Phenol	50	16.9	34	25-53
95-95-4	2,4,5-Trichlorophenol	50	41.2	82	66-104
88-06-2	2,4,6-Trichlorophenol	50	40.9	82	60-103
83-32-9	Acenaphthene	50	43.2	86	69-101
208-96-8	Acenaphthylene	50	40.8	82	70-113
120-12-7	Anthracene	50	43.9	88	75-107
56-55-3	Benzo(a)anthracene	50	44.5	89	73-106
50-32-8	Benzo(a)pyrene	50	46.4	93	75-114
205-99-2	Benzo(b)fluoranthene	50	45.7	91	73-110
191-24-2	Benzo(g,h,i)perylene	50	44.6	89	63-115
207-08-9	Benzo(k)fluoranthene	50	49.9	100	73-112
101-55-3	4-Bromophenyl phenyl ether	50	44.8	90	73-103
85-68-7	Butyl benzyl phthalate	50	44.9	90	69-108
91-58-7	2-Chloronaphthalene	50	39.7	79	67-102
106-47-8	4-Chloroaniline	50	28.5	57	57-104
86-74-8	Carbazole	50	42.3	85	74-113
218-01-9	Chrysene	50	45.6	91	73-103
111-91-1	bis(2-Chloroethoxy)methane	50	38.9	78	57-103
111-44-4	bis(2-Chloroethyl)ether	50	42.9	86	64-106
7005-72-3	4-Chlorophenyl phenyl ether	50	42.3	85	71-104
95-50-1	1,2-Dichlorobenzene	50	37.1	74	62-100
541-73-1	1,3-Dichlorobenzene	50	34.5	69	59-99
106-46-7	1,4-Dichlorobenzene	50	35.7	71	60-101
121-14-2	2,4-Dinitrotoluene	50	40.9	82	69-111
606-20-2	2,6-Dinitrotoluene	50	42.4	85	72-111

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10678-BS	W020345.D	1	06/16/04	ME	06/15/04	OP10678	SW1068

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
91-94-1	3,3'-Dichlorobenzidine	50	34.6	69	42-110
53-70-3	Dibenzo(a,h)anthracene	50	41.9	84	63-115
132-64-9	Dibenzofuran	50	41.2	82	69-104
84-74-2	Di-n-butyl phthalate	50	42.7	85	72-109
117-84-0	Di-n-octyl phthalate	50	52.6	105	68-120
84-66-2	Diethyl phthalate	50	43.1	86	64-110
131-11-3	Dimethyl phthalate	50	44.1	88	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.1	88	69-115
206-44-0	Fluoranthene	50	41.4	83	73-111
86-73-7	Fluorene	50	44.8	90	70-105
118-74-1	Hexachlorobenzene	50	43.3	87	73-103
87-68-3	Hexachlorobutadiene	50	36.3	73	55-90
77-47-4	Hexachlorocyclopentadiene	50	25.6	51	26-95
67-72-1	Hexachloroethane	50	34.5	69	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	41.8	84	63-118
78-59-1	Isophorone	50	42.9	86	68-107
91-57-6	2-Methylnaphthalene	50	38.9	78	66-100
88-74-4	2-Nitroaniline	50	42.0	84	70-111
99-09-2	3-Nitroaniline	50	38.7	77	66-106
100-01-6	4-Nitroaniline	50	39.1	78	65-113
91-20-3	Naphthalene	50	39.4	79	67-101
98-95-3	Nitrobenzene	50	40.7	81	66-106
621-64-7	N-Nitroso-di-n-propylamine	50	40.6	81	64-109
86-30-6	N-Nitrosodiphenylamine	50	43.7	87	74-114
85-01-8	Phenanthrene	50	45.4	91	73-104
129-00-0	Pyrene	50	48.2	96	69-105
120-82-1	1,2,4-Trichlorobenzene	50	37.9	76	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	19-90%
4165-62-2	Phenol-d5	32%	10-68%
118-79-6	2,4,6-Tribromophenol	87%	36-137%
4165-60-0	Nitrobenzene-d5	81%	49-119%
321-60-8	2-Fluorobiphenyl	81%	45-118%

ACCUTEST Laboratories

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10678-BS	W020345.D	1	06/16/04	ME	06/15/04	OP10678	SW1068

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-14

CAS No.	Surrogate Recoveries	BSP	Limits
1718-51-0	Terphenyl-d14	92%	46-135%

ACCUTEST Laboratories

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10707-BS	W020384.D	1	06/17/04	ME	06/17/04	OP10707	SW1070

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1310	79	70-102
59-50-7	4-Chloro-3-methyl phenol	1670	1350	81	70-103
120-83-2	2,4-Dichlorophenol	1670	1390	83	70-101
105-67-9	2,4-Dimethylphenol	1670	1320	79	39-100
51-28-5	2,4-Dinitrophenol	3330	2160	65	34-131
534-52-1	4,6-Dinitro-o-cresol	3330	2740	82	55-122
95-48-7	2-Methylphenol	1670	1280	77	66-100
	3&4-Methylphenol	3330	2530	76	68-100
88-75-5	2-Nitrophenol	1670	1410	85	70-102
100-02-7	4-Nitrophenol	3330	2400	72	63-112
87-86-5	Pentachlorophenol	3330	2660	80	58-111
108-95-2	Phenol	1670	1300	78	68-99
95-95-4	2,4,5-Trichlorophenol	1670	1320	79	72-103
88-06-2	2,4,6-Trichlorophenol	1670	1330	80	68-100
83-32-9	Acenaphthene	1670	1400	84	73-100
208-96-8	Acenaphthylene	1670	1360	82	75-111
120-12-7	Anthracene	1670	1450	87	76-106
56-55-3	Benzo(a)anthracene	1670	1500	90	76-105
50-32-8	Benzo(a)pyrene	1670	1560	94	74-116
205-99-2	Benzo(b)fluoranthene	1670	1560	94	73-114
191-24-2	Benzo(g,h,i)perylene	1670	1450	87	67-115
207-08-9	Benzo(k)fluoranthene	1670	1660	100	72-115
101-55-3	4-Bromophenyl phenyl ether	1670	1530	92	76-102
85-68-7	Butyl benzyl phthalate	1670	1590	95	70-111
91-58-7	2-Chloronaphthalene	1670	1350	81	73-101
106-47-8	4-Chloroaniline	1670	790	47	18-101
86-74-8	Carbazole	1670	1370	82	74-113
218-01-9	Chrysene	1670	1530	92	76-102
111-91-1	bis(2-Chloroethoxy)methane	1670	1280	77	61-101
111-44-4	bis(2-Chloroethyl)ether	1670	1360	82	70-103
7005-72-3	4-Chlorophenyl phenyl ether	1670	1410	85	75-103
95-50-1	1,2-Dichlorobenzene	1670	1290	77	69-101
541-73-1	1,3-Dichlorobenzene	1670	1250	75	67-100
106-46-7	1,4-Dichlorobenzene	1670	1270	76	69-100
121-14-2	2,4-Dinitrotoluene	1670	1340	80	74-112
606-20-2	2,6-Dinitrotoluene	1670	1380	83	74-114

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10707-BS	W020384.D	1	06/17/04	ME	06/17/04	OP10707	SW1070

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
91-94-1	3,3'-Dichlorobenzidine	1670	961	58	30-102
53-70-3	Dibenzo(a,h)anthracene	1670	1460	88	66-116
132-64-9	Dibenzofuran	1670	1380	83	75-101
84-74-2	Di-n-butyl phthalate	1670	1410	85	75-109
117-84-0	Di-n-octyl phthalate	1670	1930	116	64-128
84-66-2	Diethyl phthalate	1670	1400	84	75-109
131-11-3	Dimethyl phthalate	1670	1460	88	76-106
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1580	95	69-115
206-44-0	Fluoranthene	1670	1350	81	76-112
86-73-7	Fluorene	1670	1480	89	75-105
118-74-1	Hexachlorobenzene	1670	1430	86	76-103
87-68-3	Hexachlorobutadiene	1670	1310	79	62-91
77-47-4	Hexachlorocyclopentadiene	1670	1040	62	33-112
67-72-1	Hexachloroethane	1670	1270	76	68-104
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1410	85	67-119
78-59-1	Isophorone	1670	1420	85	74-103
91-57-6	2-Methylnaphthalene	1670	1360	82	71-100
88-74-4	2-Nitroaniline	1670	1340	80	75-109
99-09-2	3-Nitroaniline	1670	1050	63	47-103
100-01-6	4-Nitroaniline	1670	1220	73	60-113
91-20-3	Naphthalene	1670	1360	82	73-100
98-95-3	Nitrobenzene	1670	1320	79	73-101
621-64-7	N-Nitroso-di-n-propylamine	1670	1360	82	69-104
86-30-6	N-Nitrosodiphenylamine	1670	1530	92	80-113
85-01-8	Phenanthrene	1670	1490	89	76-104
129-00-0	Pyrene	1670	1670	100	70-106
120-82-1	1,2,4-Trichlorobenzene	1670	1360	82	72-100

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	81%	45-114%
4165-62-2	Phenol-d5	78%	44-124%
118-79-6	2,4,6-Tribromophenol	84%	50-128%
4165-60-0	Nitrobenzene-d5	78%	41-123%
321-60-8	2-Fluorobiphenyl	78%	46-122%

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10707-BS	W020384.D	1	06/17/04	ME	06/17/04	OP10707	SW1070

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-9

CAS No.	Surrogate Recoveries	BSP	Limits
1718-51-0	Terphenyl-d14	93%	45-135%

ACCUTEST Laboratories

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MS	L021957.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
OP10685-MSD	L021958.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
F24685-6	L021956.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-11, F24685-12, F24685-13

CAS No.	Compound	F24685-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1790	1190	67	1170	66	2	54-104/18
59-50-7	4-Chloro-3-methyl phenol	ND		1790	1330	74	1380	78	4	57-107/17
120-83-2	2,4-Dichlorophenol	ND		1790	1330	74	1380	78	4	49-108/20
105-67-9	2,4-Dimethylphenol	ND		1790	1290	72	1320	74	2	42-94/25
51-28-5	2,4-Dinitrophenol	ND		3570	1420	40	1360	38	4	22-114/22
534-52-1	4,6-Dinitro-o-cresol	ND		3570	2190	61	2260	63	3	35-117/25
95-48-7	2-Methylphenol	ND		1790	1230	69	1200	67	2	54-100/18
	3&4-Methylphenol	ND		3570	2410	67	2450	69	2	55-102/18
88-75-5	2-Nitrophenol	ND		1790	1230	69	1250	70	2	48-108/19
100-02-7	4-Nitrophenol	ND		3570	2580	72	2690	76	4	46-116/15
87-86-5	Pentachlorophenol	ND		3570	2120	59	2240	63	6	45-112/16
108-95-2	Phenol	ND		1790	1250	70	1200	67	4	54-104/17
95-95-4	2,4,5-Trichlorophenol	ND		1790	1330	74	1390	78	4	56-108/23
88-06-2	2,4,6-Trichlorophenol	ND		1790	1300	73	1370	77	5	57-102/14
83-32-9	Acenaphthene	ND		1790	1360	76	1430	80	5	57-108/19
208-96-8	Acenaphthylene	ND		1790	1290	72	1370	77	6	60-120/17
120-12-7	Anthracene	ND		1790	1400	78	1440	81	3	68-105/16
56-55-3	Benzo(a)anthracene	ND		1790	1430	80	1480	83	3	69-104/24
50-32-8	Benzo(a)pyrene	ND		1790	1460	82	1490	84	2	66-114/26
205-99-2	Benzo(b)fluoranthene	ND		1790	1450	81	1450	81	0	64-113/19
191-24-2	Benzo(g,h,i)perylene	ND		1790	1430	80	1480	83	3	44-133/23
207-08-9	Benzo(k)fluoranthene	ND		1790	1500	84	1540	87	3	63-111/23
101-55-3	4-Bromophenyl phenyl ether	ND		1790	1410	79	1480	83	5	67-102/15
85-68-7	Butyl benzyl phthalate	ND		1790	1480	83	1520	85	3	61-113/16
91-58-7	2-Chloronaphthalene	ND		1790	1290	72	1350	76	5	60-103/15
106-47-8	4-Chloroaniline	ND		1790	918	51	961	54	5	22-104/27
86-74-8	Carbazole	ND		1790	1310	73	1370	77	4	70-109/21
218-01-9	Chrysene	ND		1790	1450	81	1520	85	5	68-102/25
111-91-1	bis(2-Chloroethoxy)methane	ND		1790	1110	62	1130	63	2	50-100/19
111-44-4	bis(2-Chloroethyl)ether	ND		1790	1240	69	1160	65	7	56-105/20
7005-72-3	4-Chlorophenyl phenyl ether	ND		1790	1340	75	1390	78	4	64-105/13
95-50-1	1,2-Dichlorobenzene	ND		1790	1060	59	1050	59	1	55-99/18
541-73-1	1,3-Dichlorobenzene	ND		1790	1030	58	1020	57	1	53-98/19
106-46-7	1,4-Dichlorobenzene	ND		1790	1030	58	1030	58	0	55-99/19
121-14-2	2,4-Dinitrotoluene	ND		1790	1280	72	1360	76	6	66-107/14
606-20-2	2,6-Dinitrotoluene	ND		1790	1320	74	1410	79	7	67-110/13

ACCUTEST Laboratories

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MS	L021957.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
OP10685-MSD	L021958.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
F24685-6	L021956.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-11, F24685-12, F24685-13

CAS No.	Compound	F24685-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
91-94-1	3,3'-Dichlorobenzidine	ND		1790	773	43	824	46	6	25-103/24
53-70-3	Dibenzo(a,h)anthracene	ND		1790	1410	79	1420	80	1	48-130/21
132-64-9	Dibenzofuran	ND		1790	1310	73	1380	78	5	65-102/13
84-74-2	Di-n-butyl phthalate	ND		1790	1360	76	1440	81	6	62-114/16
117-84-0	Di-n-octyl phthalate	ND		1790	1650	92	1670	94	1	61-120/18
84-66-2	Diethyl phthalate	ND		1790	1320	74	1390	78	5	67-104/13
131-11-3	Dimethyl phthalate	ND		1790	1310	73	1410	79	7	66-104/13
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1790	1460	82	1500	84	3	62-115/16
206-44-0	Fluoranthene	ND		1790	1320	74	1400	79	6	58-122/22
86-73-7	Fluorene	ND		1790	1400	78	1470	83	5	64-107/21
118-74-1	Hexachlorobenzene	ND		1790	1370	77	1440	81	5	66-103/16
87-68-3	Hexachlorobutadiene	ND		1790	1160	65	1130	63	3	49-90/18
77-47-4	Hexachlorocyclopentadiene	ND		1790	737	41	756	42	3	10-99/34
67-72-1	Hexachloroethane	ND		1790	1040	58	1040	58	0	51-103/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1790	1420	80	1500	84	5	48-132/23
78-59-1	Isophorone	ND		1790	1240	69	1290	72	4	61-104/17
91-57-6	2-Methylnaphthalene	ND		1790	1170	66	1220	69	4	59-99/21
88-74-4	2-Nitroaniline	ND		1790	1360	76	1430	80	5	65-109/14
99-09-2	3-Nitroaniline	ND		1790	1160	65	1210	68	4	44-98/21
100-01-6	4-Nitroaniline	ND		1790	1190	67	1270	71	7	54-109/19
91-20-3	Naphthalene	ND		1790	1180	66	1170	66	1	59-100/21
98-95-3	Nitrobenzene	ND		1790	1160	65	1160	65	0	59-102/18
621-64-7	N-Nitroso-di-n-propylamine	ND		1790	1190	67	1160	65	3	55-106/19
86-30-6	N-Nitrosodiphenylamine	ND		1790	1390	78	1470	83	6	69-116/16
85-01-8	Phenanthrene	ND		1790	1410	79	1500	84	6	65-105/24
129-00-0	Pyrene	ND		1790	1540	86	1580	89	3	62-107/26
120-82-1	1,2,4-Trichlorobenzene	ND		1790	1180	66	1170	66	1	58-101/17

CAS No.	Surrogate Recoveries	MS	MSD	F24685-6	Limits
367-12-4	2-Fluorophenol	71%	66%	69%	45-114%
4165-62-2	Phenol-d5	73%	69%	69%	44-124%
118-79-6	2,4,6-Tribromophenol	76%	78%	76%	50-128%
4165-60-0	Nitrobenzene-d5	67%	65%	67%	41-123%
321-60-8	2-Fluorobiphenyl	72%	72%	71%	46-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10685-MS	L021957.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
OP10685-MSD	L021958.D	1	06/16/04	ME	06/15/04	OP10685	SL1178
F24685-6	L021956.D	1	06/16/04	ME	06/15/04	OP10685	SL1178

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-11, F24685-12, F24685-13

CAS No.	Surrogate Recoveries	MS	MSD	F24685-6	Limits
1718-51-0	Terphenyl-d14	81%	81%	79%	45-135%

ACCUTEST laboratories

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10678-MS	W020357.D	1	06/16/04	ME	06/15/04	OP10678	SW1068
OP10678-MSD	W020358.D	1	06/16/04	ME	06/15/04	OP10678	SW1068
F24683-3	W020356.D	1	06/16/04	ME	06/15/04	OP10678	SW1068

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-14

CAS No.	Compound	F24683-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		104	88.3	85	91.7	88	4	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		104	88.7	85	92.6	89	4	60-101/18
120-83-2	2,4-Dichlorophenol	ND		104	92.9	89	96.0	92	3	55-100/24
105-67-9	2,4-Dimethylphenol	ND		104	86.3	83	90.6	87	5	36-98/26
51-28-5	2,4-Dinitrophenol	ND		208	179	86	158	76	12	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		208	203	97	191	92	6	40-127/24
95-48-7	2-Methylphenol	ND		104	82.6	79	87.6	84	6	46-100/23
	3&4-Methylphenol	ND		208	159	76	168	81	6	43-100/23
88-75-5	2-Nitrophenol	ND		104	96.1	92	97.9	94	2	53-104/25
100-02-7	4-Nitrophenol	ND		208	108	52	105	50	3	32-81/28
87-86-5	Pentachlorophenol	ND		208	194	93	191	92	2	44-118/16
108-95-2	Phenol	ND		104	57.3	55	60.6	58	6	31-77/26
95-95-4	2,4,5-Trichlorophenol	ND		104	88.3	85	95.6	92	8	61-102/18
88-06-2	2,4,6-Trichlorophenol	ND		104	91.7	88	93.6	90	2	55-103/21
83-32-9	Acenaphthene	ND		104	95.7	92	99.8	96	4	60-103/20
208-96-8	Acenaphthylene	ND		104	90.1	86	94.4	91	5	67-113/20
120-12-7	Anthracene	ND		104	93.3	90	97.3	93	4	71-105/14
56-55-3	Benzo(a)anthracene	ND		104	99.6	96	101	97	1	70-103/16
50-32-8	Benzo(a)pyrene	ND		104	101	97	104	100	3	70-113/16
205-99-2	Benzo(b)fluoranthene	ND		104	100	96	105	101	5	67-110/17
191-24-2	Benzo(g,h,i)perylene	ND		104	91.4	88	96.4	93	5	63-111/17
207-08-9	Benzo(k)fluoranthene	ND		104	107	103	104	100	3	68-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		104	98.2	94	102	98	4	68-102/16
85-68-7	Butyl benzyl phthalate	ND		104	102	98	104	100	2	65-108/17
91-58-7	2-Chloronaphthalene	ND		104	89.6	86	94.8	91	6	58-101/22
106-47-8	4-Chloroaniline	ND		104	59.6	57	64.6	62	8	39-101/21
86-74-8	Carbazole	ND		104	88.9	85	91.5	88	3	71-109/16
218-01-9	Chrysene	ND		104	101	97	104	100	3	70-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		104	87.2	84	88.6	85	2	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		104	93.7	90	95.3	91	2	54-103/24
7005-72-3	4-Chlorophenyl phenyl ether	ND		104	93.7	90	97.7	94	4	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		104	89.4	86	91.0	87	2	50-101/22
541-73-1	1,3-Dichlorobenzene	ND		104	85.4	82	86.4	83	1	50-100/23
106-46-7	1,4-Dichlorobenzene	ND		104	86.7	83	88.4	85	2	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		104	88.7	85	93.2	89	5	65-110/16
606-20-2	2,6-Dinitrotoluene	ND		104	93.2	89	96.0	92	3	65-111/19

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10678-MS	W020357.D	1	06/16/04	ME	06/15/04	OP10678	SW1068
OP10678-MSD	W020358.D	1	06/16/04	ME	06/15/04	OP10678	SW1068
F24683-3	W020356.D	1	06/16/04	ME	06/15/04	OP10678	SW1068

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-14

CAS No.	Compound	F24683-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
91-94-1	3,3'-Dichlorobenzidine	ND		104	32.0	31	42.9	41	29*	18-112/22
53-70-3	Dibenzo(a,h)anthracene	ND		104	92.7	89	95.2	91	3	62-111/20
132-64-9	Dibenzofuran	ND		104	91.2	88	95.5	92	5	64-102/17
84-74-2	Di-n-butyl phthalate	ND		104	92.4	89	95.7	92	4	68-107/17
117-84-0	Di-n-octyl phthalate	ND		104	121	116	122	117	1	58-126/23
84-66-2	Diethyl phthalate	ND		104	95.5	92	100	96	5	59-110/18
131-11-3	Dimethyl phthalate	ND		104	98.0	94	102	98	4	45-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		104	104	100	104	100	0	55-120/22
206-44-0	Fluoranthene	ND		104	89.0	85	90.6	87	2	67-108/17
86-73-7	Fluorene	ND		104	97.5	94	103	99	5	65-105/17
118-74-1	Hexachlorobenzene	ND		104	96.1	92	99.1	95	3	69-102/16
87-68-3	Hexachlorobutadiene	ND		104	89.6	86	92.1	88	3	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		104	60.3	58	66.6	64	10	20-92/34
67-72-1	Hexachloroethane	ND		104	86.8	83	89.0	85	3	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		104	89.5	86	92.8	89	4	66-111/19
78-59-1	Isophorone	ND		104	95.9	92	98.9	95	3	59-103/23
91-57-6	2-Methylnaphthalene	ND		104	90.7	87	92.7	89	2	56-100/23
88-74-4	2-Nitroaniline	ND		104	90.9	87	95.5	92	5	66-107/18
99-09-2	3-Nitroaniline	ND		104	75.3	72	85.6	82	13	47-107/26
100-01-6	4-Nitroaniline	ND		104	77.1	74	84.8	81	10	48-119/21
91-20-3	Naphthalene	ND		104	92.2	89	92.9	89	1	52-102/23
98-95-3	Nitrobenzene	ND		104	91.3	88	94.2	90	3	56-103/25
621-64-7	N-Nitroso-di-n-propylamine	ND		104	90.9	87	93.0	89	2	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		104	99.0	95	101	97	2	72-112/16
85-01-8	Phenanthrene	ND		104	101	97	102	98	1	69-103/15
129-00-0	Pyrene	ND		104	111	107	113	108*	2	64-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		104	91.7	88	93.3	90	2	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F24683-3	Limits
367-12-4	2-Fluorophenol	72%	75%	49%	19-90%
4165-62-2	Phenol-d5	53%	56%	30%	10-68%
118-79-6	2,4,6-Tribromophenol	91%	93%	91%	36-137%
4165-60-0	Nitrobenzene-d5	86%	87%	78%	49-119%
321-60-8	2-Fluorobiphenyl	82%	87%	79%	45-118%

ACCUTEST Laboratories

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10678-MS	W020357.D	1	06/16/04	ME	06/15/04	OP10678	SW1068
OP10678-MSD	W020358.D	1	06/16/04	ME	06/15/04	OP10678	SW1068
F24683-3	W020356.D	1	06/16/04	ME	06/15/04	OP10678	SW1068

The QC reported here applies to the following samples: Method: SW846 8270C

F24685-14

CAS No.	Surrogate Recoveries	MS	MSD	F24683-3	Limits
1718-51-0	Terphenyl-d14	95%	100%	98%	46-135%

ACCUTEST Laboratories

Semivolatile Surrogate Recovery Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Method: SW846 8270C Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F24685-14	W020351.D	58.0	36.0	92.0	87.0	86.0	104.0
OP10678-BS	W020345.D	53.0	32.0	87.0	81.0	81.0	92.0
OP10678-MB	W020346.D	52.0	31.0	86.0	85.0	80.0	98.0
OP10678-MB	W020379.D	53.0	31.0	80.0	85.0	82.0	100.0
OP10678-MS	W020357.D	72.0	53.0	91.0	86.0	82.0	95.0
OP10678-MSD	W020358.D	75.0	56.0	93.0	87.0	87.0	100.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	19-90%
S2 = Phenol-d5	10-68%
S3 = 2,4,6-Tribromophenol	36-137%
S4 = Nitrobenzene-d5	49-119%
S5 = 2-Fluorobiphenyl	45-118%
S6 = Terphenyl-d14	46-135%

ACCUTEST Laboratories

Semivolatile Surrogate Recovery Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Method: SW846 8270C Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F24685-1	L021951.D	60.0	63.0	68.0	56.0	63.0	71.0
F24685-2	L021952.D	64.0	67.0	73.0	61.0	67.0	76.0
F24685-3	L021965.D	69.0	72.0	78.0	66.0	71.0	78.0
F24685-4	L021954.D	70.0	72.0	77.0	66.0	70.0	77.0
F24685-5	L021955.D	65.0	67.0	74.0	61.0	65.0	74.0
F24685-6	L021956.D	69.0	69.0	76.0	67.0	71.0	79.0
F24685-7	L021959.D	73.0	75.0	80.0	72.0	74.0	84.0
F24685-8	L021960.D	68.0	69.0	77.0	67.0	70.0	82.0
F24685-9	W020386.D	71.0	70.0	77.0	68.0	72.0	91.0
F24685-11	L021962.D	73.0	74.0	77.0	71.0	74.0	80.0
F24685-12	L021963.D	71.0	71.0	74.0	68.0	69.0	82.0
F24685-13	L021964.D	70.0	71.0	71.0	70.0	70.0	78.0
OP10685-BS	L021953.D	80.0	81.0	90.0	76.0	80.0	91.0
OP10685-MB	L021948.D	81.0	81.0	83.0	77.0	78.0	95.0
OP10685-MS	L021957.D	71.0	73.0	76.0	67.0	72.0	81.0
OP10685-MSD	L021958.D	66.0	69.0	78.0	65.0	72.0	81.0
OP10707-BS	W020384.D	81.0	78.0	84.0	78.0	78.0	93.0
OP10707-MB	W020385.D	59.0	57.0	50.0	57.0	54.0	65.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	45-114%
S2 = Phenol-d5	44-124%
S3 = 2,4,6-Tribromophenol	50-128%
S4 = Nitrobenzene-d5	41-123%
S5 = 2-Fluorobiphenyl	46-122%
S6 = Terphenyl-d14	45-135%

Instrument Performance Check (DFTPP)

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1171-DFTPP	Injection Date:	06/07/04
Lab File ID:	L021792.D	Injection Time:	12:55
Instrument ID:	GCMSL		

4.4

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	128779	39.6		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	125525	38.6		Pass
70	Less than 2.0% of mass 69	671	0.21	(0.53) [a]	Pass
127	40.0 - 60.0% of mass 198	155115	47.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	325120	100.0		Pass
199	5.0 - 9.0% of mass 198	21654	6.7		Pass
275	10.0 - 30.0% of mass 198	70211	21.6		Pass
365	1.0 - 100.0% of mass 198	7080	2.2		Pass
441	Present, but less than mass 443	32845	10.1	(75.1) [b]	Pass
442	40.0 - 100.0% of mass 198	220971	68.0		Pass
443	17.0 - 23.0% of mass 442	43707	13.4	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1171-IC1171	L021793.D	06/07/04	13:14	00:19	Initial cal 5
SL1171-IC1171	L021794.D	06/07/04	13:45	00:50	Initial cal 25
SL1171-IC1171	L021795.D	06/07/04	14:15	01:20	Initial cal 50
SL1171-ICC1171	L021796.D	06/07/04	14:45	01:50	Initial cal 75
SL1171-IC1171	L021797.D	06/07/04	15:15	02:20	Initial cal 100
SL1171-IC1171	L021798.D	06/07/04	15:46	02:51	Initial cal 125
SL1171-ICV1171	L021799.D	06/07/04	16:18	03:23	Initial cal verification 50
OP10604-LBS	L021800.D	06/07/04	16:51	03:56	Blank Spike
OP10604-LB	L021801.D	06/07/04	17:23	04:28	Leachate Blank
F24336-1	L021802.D	06/07/04	17:55	05:00	(used for QC only; not part of job F24685)
OP10604-MS	L021803.D	06/07/04	18:27	05:32	Matrix Spike
OP10604-MSD	L021804.D	06/07/04	18:59	06:04	Matrix Spike Duplicate
ZZZZZZ	L021805.D	06/07/04	19:30	06:35	(unrelated sample)
ZZZZZZ	L021806.D	06/07/04	20:02	07:07	(unrelated sample)
ZZZZZZ	L021807.D	06/07/04	20:33	07:38	(unrelated sample)
ZZZZZZ	L021808.D	06/07/04	21:04	08:09	(unrelated sample)
ZZZZZZ	L021809.D	06/07/04	21:34	08:39	(unrelated sample)
ZZZZZZ	L021810.D	06/07/04	22:05	09:10	(unrelated sample)
ZZZZZZ	L021811.D	06/07/04	22:36	09:41	(unrelated sample)

ACCUTEST Laboratories

Instrument Performance Check (DFTPP)

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1171-DFTPP	Injection Date:	06/07/04
Lab File ID:	L021792.D	Injection Time:	12:55
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F24413-6	L021812.D	06/07/04	23:06	10:11	(used for QC only; not part of job F24685)
OP10604-DUP	L021813.D	06/07/04	23:37	10:42	Duplicate
ZZZZZZ	L021814.D	06/08/04	00:07	11:12	(unrelated sample)
OP10604-LS	L021815.D	06/08/04	00:38	11:43	Leachate Spike

ACCUTEST Laboratories

Initial Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1171-ICC1171
Lab FileID: L021796.D

Response Factor Report MSBNA02

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Mon Jun 07 16:42:35 2004
Response via : Initial Calibration

Calibration Files
5 =L021793.D 25 =L021794.D 50 =L021795.D 75 =L021796.D
100 =L021797.D 125 =L021798.D icv =L021799.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) 1,4-Dioxane	0.487	0.494	0.485	0.493	0.496	0.484		0.490	1.05
3) N-nitrosodimethyl	0.616	0.660	0.654	0.645	0.641	0.643		0.643	2.33
4) Pyridine	1.235	1.332	1.335	1.362	1.328	1.397		1.331	4.04
5) Benzaldehyde	0.943	1.070	1.076	1.001	1.033	1.039		1.027	4.79
6) Aniline	1.991	2.078	1.990	1.973	1.957	1.895		1.981	3.00
7)S 2-Fluorophenol	1.127	1.214	1.177	1.183	1.165	1.150		1.169	2.53
8) bis(2-Chloroethyl	1.210	1.208	1.190	1.170	1.173	1.171		1.187	1.56
9)S Phenol-d5	1.543	1.588	1.527	1.517	1.490	1.458		1.520	2.93
10)C Phenol	1.732	1.837	1.783	1.764	1.755	1.738		1.768	2.18
11) 2-Chlorophenol	1.331	1.433	1.395	1.429	1.420	1.430		1.406	2.81
12) 1,3-Dichlorobenze	1.535	1.592	1.562	1.555	1.500	1.500		1.541	2.35
13)C 1,4-Dichlorobenze	1.546	1.587	1.568	1.565	1.529	1.501		1.549	1.99
14) 1,2-Dichlorobenze	1.447	1.510	1.459	1.450	1.441	1.421		1.455	2.07
15) Benzyl alcohol	0.829	0.890	0.904	0.905	0.930	0.932		0.899	4.19
16) bis(2-chloroisopr	1.979	1.960	1.849	1.783	1.736	1.685		1.832	6.53
17) 2-Methylphenol	1.165	1.235	1.224	1.226	1.229	1.211		1.215	2.11
18) Acetophenone	1.698	1.870	1.894	1.811	1.890	2.031		1.866	5.85
19) Hexachloroethane	0.512	0.553	0.549	0.563	0.558	0.548		0.547	3.29
20)P N-Nitroso-di-n-pr	0.919	0.951	0.939	0.902	0.937	0.937		0.931	1.87
21) 3&4-Methylphenol	1.224	1.325	1.302	1.290	1.336	1.328		1.301	3.18
22) I Naphthalene-d8	----------ISTD----------								
23)S Nitrobenzene-d5	0.336	0.364	0.357	0.368	0.366	0.354		0.357	3.26
24) Nitrobenzene	0.331	0.365	0.355	0.361	0.354	0.346		0.352	3.43
25) Isophorone	0.627	0.659	0.646	0.642	0.652	0.627		0.642	2.03
26)C 2-Nitrophenol	0.163	0.201	0.196	0.200	0.202	0.200		0.194	7.82
27) 2,4-Dimethylpheno	0.316	0.361	0.354	0.355	0.347	0.341		0.346	4.66
28) bis(2-Chloroethox	0.376	0.392	0.381	0.386	0.375	0.367		0.380	2.30
29) Benzoic Acid	0.120	0.203	0.215	0.229	0.232	0.249		0.208	22.19
---- Quadratic regression ---- Coefficient = 0.9994									
Response Ratio = -0.00752 + 0.20024 *A + 0.01596 *A^2									
30)C 2,4-Dichloropheno	0.274	0.307	0.308	0.311	0.305	0.296		0.300	4.62
31) 1,2,4-Trichlorobe	0.311	0.324	0.323	0.320	0.304	0.299		0.313	3.29
32) Naphthalene	1.008	1.035	1.013	0.980	0.967	0.948		0.992	3.27
33) 4-Chloroaniline	0.439	0.464	0.453	0.456	0.451	0.436		0.450	2.39
34) 2,6-Dichloropheno	0.287	0.305	0.303	0.302	0.294	0.292		0.297	2.36
35)C Hexachlorobutadie	0.155	0.163	0.160	0.158	0.156	0.149		0.157	3.12
36) Caprolactam	0.102	0.127	0.128	0.128	0.133	0.143		0.127	10.81
37)C 4-Chloro-3-methyl	0.273	0.305	0.308	0.317	0.321	0.319		0.307	5.89
38) 2-Methylnaphthale	0.685	0.695	0.684	0.689	0.685	0.662		0.684	1.64
39) 1-Methylnaphthale	0.653	0.700	0.673	0.666	0.665	0.647		0.667	2.78
40) 1,2,4,5-Tetrachlo	0.319	0.328	0.323	0.324	0.322	0.313		0.321	1.66
41) I Acenaphthene-d10	----------ISTD----------								

ACCUTEST Laboratories

Initial Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1171-ICC1171
Lab FileID: L021796.D

42)P	Hexachlorocyclope	0.089	0.211	0.248	0.270	0.282	0.289	0.231	32.49
	---- Quadratic regression ---- Coefficient = 0.9997								
	Response Ratio = -0.02658 + 0.25540 *A + 0.01392 *A^2								
43)C	2,4,6-Trichloroph	0.347	0.391	0.386	0.387	0.390	0.399	0.383	4.75
44)	2,4,5-Trichloroph	0.371	0.418	0.417	0.410	0.425	0.434	0.412	5.33
45)S	2-Fluorobiphenyl	1.392	1.406	1.375	1.347	1.320	1.334	1.362	2.50
46)	1,1'-Biphenyl	1.440	1.615	1.577	1.503	1.519	1.598	1.542	4.32
47)	2-Chloronaphthale	1.201	1.236	1.161	1.158	1.147	1.150	1.175	3.02
48)	2-Nitroaniline	0.314	0.377	0.381	0.383	0.397	0.410	0.377	8.77
49)	Acenaphthylene	1.901	2.006	1.918	1.910	1.919	1.889	1.924	2.17
50)	Dimethylphthalate	1.408	1.478	1.446	1.414	1.439	1.452	1.440	1.78
51)	2,6-Dinitrotoluen	0.282	0.335	0.320	0.321	0.329	0.336	0.320	6.31
52)C	Acenaphthene	1.199	1.225	1.193	1.171	1.165	1.167	1.187	1.99
53)	3-Nitroaniline	0.338	0.389	0.393	0.382	0.393	0.398	0.382	5.86
54)P	2,4-Dinitrophenol	0.053	0.120	0.153	0.171	0.195	0.212	0.151	38.27
	---- Quadratic regression ---- Coefficient = 0.9998								
	Response Ratio = -0.01053 + 0.12213 *A + 0.03007 *A^2								
55)	Dibenzofuran	1.702	1.752	1.748	1.663	1.691	1.715	1.712	2.00
56)	2,4-Dinitrotoluen	0.380	0.452	0.470	0.463	0.475	0.495	0.456	8.72
57)P	4-Nitrophenol	0.126	0.167	0.179	0.184	0.195	0.205	0.176	15.64
	---- Quadratic regression ---- Coefficient = 0.9999								
	Response Ratio = -0.00274 + 0.16025 *A + 0.01440 *A^2								
58)	2,3,4,6-Tetrachlo	0.241	0.307	0.322	0.320	0.324	0.326	0.307	10.73
59)	Fluorene	1.349	1.402	1.382	1.354	1.358	1.379	1.370	1.49
60)	4-Chlorophenyl-ph	0.648	0.656	0.643	0.637	0.633	0.639	0.643	1.32
61)	Diethylphthalate	1.390	1.437	1.397	1.385	1.399	1.427	1.406	1.51
62)	4-Nitroaniline	0.309	0.392	0.404	0.394	0.418	0.435	0.392	11.13
63) I	Phenanthrene-d10	----------ISTD----------							
64)	4,6-Dinitro-2-met	0.071	0.131	0.151	0.150	0.164	0.165	0.139	25.45
	---- Quadratic regression ---- Coefficient = 0.9990								
	Response Ratio = -0.01027 + 0.14615 *A + 0.00744 *A^2								
65)C	n-Nitrosodiphenyl	0.565	0.614	0.595	0.580	0.578	0.553	0.581	3.71
66)	1,2-Diphenylhydra	0.675	0.735	0.741	0.735	0.727	0.706	0.720	3.53
67)S	2,4,6-Tribromophe	0.068	0.081	0.084	0.084	0.085	0.081	0.081	7.79
68)	4-Bromophenyl-phe	0.179	0.198	0.198	0.194	0.200	0.192	0.193	3.89
69)	Hexachlorobenzene	0.181	0.193	0.187	0.187	0.192	0.181	0.187	2.64
70)	Atrazine	0.194	0.240	0.249	0.231	0.237	0.246	0.233	8.63
71)C	Pentachlorophenol	0.039	0.070	0.082	0.095	0.099	0.101	0.081	29.46
	---- Quadratic regression ---- Coefficient = 0.9988								
	Response Ratio = -0.00935 + 0.08620 *A + 0.00601 *A^2								
72)	Phenanthrene	1.134	1.167	1.151	1.111	1.133	1.091	1.131	2.42
73)	Anthracene	1.129	1.193	1.201	1.163	1.150	1.135	1.162	2.59
74)	Carbazole	1.067	1.144	1.161	1.096	1.090	1.113	1.112	3.18
75)	Di-n-butylphthala	1.168	1.283	1.325	1.267	1.276	1.260	1.263	4.12
76)C	Fluoranthene	1.150	1.222	1.236	1.159	1.219	1.198	1.197	2.98
77) I	Chrysene-d12	----------ISTD----------							
78)	Benzidine	0.730	0.969	0.987	0.971	0.939	0.941	0.923	10.42
79)	Pyrene	1.356	1.438	1.360	1.355	1.294	1.262	1.344	4.55
80)S	Terphenyl-d14	0.771	0.830	0.788	0.778	0.748	0.747	0.777	3.95
81)	Butylbenzylphthal	0.528	0.626	0.631	0.626	0.599	0.618	0.605	6.51
82)	3,3'-Dichlorobenz	0.403	0.452	0.453	0.455	0.451	0.446	0.443	4.56
83)	Benzo[a]anthracen	1.149	1.250	1.212	1.216	1.199	1.202	1.205	2.70
84)	Chrysene	1.099	1.172	1.131	1.109	1.111	1.081	1.117	2.80

Initial Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1171-ICC1171
Lab FileID: L021796.D

85)	bis(2-Ethylhexyl)	0.733	0.853	0.864	0.854	0.831	0.823	0.826	5.83
86) I	Perylene-d12	----------ISTD----------							
87)C	Di-n-octylphthala	1.616	1.954	2.054	2.005	1.927	1.816	1.895	8.38
88)	Benzo[b]fluoranth	1.558	1.714	1.710	1.702	1.614	1.689	1.664	3.86
89)	Benzo[k]fluoranth	1.522	1.682	1.651	1.621	1.581	1.420	1.580	6.08
90)C	Benzo[a]pyrene	1.458	1.563	1.582	1.611	1.539	1.507	1.543	3.56
91)	Indeno[1,2,3-cd]p	1.404	1.512	1.629	1.650	1.692	1.629	1.586	6.77
92)	Dibenz[a,h]anthra	1.355	1.444	1.491	1.470	1.443	1.411	1.436	3.33
93)	Benzo[g,h,i]peryl	1.520	1.612	1.655	1.705	1.638	1.603	1.622	3.81

(#) = Out of Range

8270C.M Tue Jun 08 09:22:49 2004

Instrument Performance Check (DFTPP)

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1178-DFTPP	Injection Date:	06/16/04
Lab File ID:	L021942.D	Injection Time:	07:56
Instrument ID:	GCMSL		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	169621	42.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	161694	40.5		Pass
70	Less than 2.0% of mass 69	856	0.21	(0.53) [a]	Pass
127	40.0 - 60.0% of mass 198	197376	49.4		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	399168	100.0		Pass
199	5.0 - 9.0% of mass 198	27174	6.8		Pass
275	10.0 - 30.0% of mass 198	85760	21.5		Pass
365	1.0 - 100.0% of mass 198	9316	2.3		Pass
441	Present, but less than mass 443	35225	8.8	(72.5) [b]	Pass
442	40.0 - 100.0% of mass 198	244040	61.1		Pass
443	17.0 - 23.0% of mass 442	48566	12.2	(19.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1178-CC1171	L021943.D	06/16/04	08:15	00:19	Continuing cal 75
OP10674-MB	L021944.D	06/16/04	08:45	00:49	Method Blank
ZZZZZZ	L021945.D	06/16/04	09:15	01:19	(unrelated sample)
ZZZZZZ	L021946.D	06/16/04	09:45	01:49	(unrelated sample)
OP10685-MB	L021948.D	06/16/04	10:45	02:49	Method Blank
ZZZZZZ	L021950.D	06/16/04	11:47	03:51	(unrelated sample)
F24685-1	L021951.D	06/16/04	12:17	04:21	C03D-06C-06-0604
F24685-2	L021952.D	06/16/04	12:48	04:52	C03D-06C-12-0604
OP10685-BS	L021953.D	06/16/04	13:18	05:22	Blank Spike
F24685-4	L021954.D	06/16/04	13:50	05:54	C03D-10C-06-0604
F24685-5	L021955.D	06/16/04	14:21	06:25	C03D-10C-12-0604
F24685-6	L021956.D	06/16/04	14:52	06:56	C03D-10C-24-0604
OP10685-MS	L021957.D	06/16/04	15:24	07:28	Matrix Spike
OP10685-MSD	L021958.D	06/16/04	15:55	07:59	Matrix Spike Duplicate
F24685-7	L021959.D	06/16/04	16:27	08:31	C03D-07C-06-0604
F24685-8	L021960.D	06/16/04	16:58	09:02	C03D-07C-12-0604
F24685-11	L021962.D	06/16/04	18:01	10:05	C03D-11C-06-0604
F24685-12	L021963.D	06/16/04	18:32	10:36	C03D-11C-12-0604
F24685-13	L021964.D	06/16/04	19:04	11:08	C03D-11C-24-0604

Instrument Performance Check (DFTPP)

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SL1178-DFTPP	Injection Date:	06/16/04
Lab File ID:	L021942.D	Injection Time:	07:56
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F24685-3	L021965.D	06/16/04	19:35	11:39	C03D-06C-24-0604

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SL1178-CC1171
Lab FileID: L021943.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\061604\L021943.D
Acq On : 16 Jun 2004 8:15 am
Sample : cc1171-75
Misc : op10674,sl1178,30.0,,,1,1,soil
MS Integration Params: LSCINT.P

Vial: 2
Operator: marke
Inst : MSBNA02
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Mon Jun 07 16:42:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	-0.02	4.96
2		1,4-Dioxane	0.490	0.512	-4.5	101	-0.02	2.55
3		N-nitrosodimethylamine	0.643	0.715	-11.2	108	-0.02	2.88
4		Pyridine	1.331	1.323	0.6	94	-0.02	2.89
5		Benzaldehyde	1.027	1.055	-2.7	102	-0.02	4.63
6		Aniline	1.981	2.002	-1.1	98	-0.02	4.74
7	S	2-Fluorophenol	1.169	1.180	-0.9	97	-0.02	4.04
8		bis(2-Chloroethyl)ether	1.187	1.202	-1.3	100	-0.02	4.77
9	S	Phenol-d5	1.520	1.522	-0.1	97	-0.02	4.74
10	C	Phenol	1.768	1.829	-3.5	101	-0.02	4.75
11		2-Chlorophenol	1.406	1.445	-2.8	98	-0.02	4.84
12		1,3-Dichlorobenzene	1.541	1.581	-2.6	99	-0.02	4.93
13	C	1,4-Dichlorobenzene	1.549	1.574	-1.6	98	-0.02	4.97
14		1,2-Dichlorobenzene	1.455	1.494	-2.7	100	-0.02	5.13
15		Benzyl alcohol	0.899	0.855	4.9	92	-0.02	5.10
16		bis(2-chloroisopropyl)eth	1.832	1.888	-3.1	103	-0.02	5.21
17		2-Methylphenol	1.215	1.231	-1.3	97	-0.02	5.21
18		Acetophenone	1.866	1.934	-3.6	104	-0.02	5.31
19		Hexachloroethane	0.547	0.585	-6.9	101	-0.02	5.39
20	P	N-Nitroso-di-n-propylamin	0.931	0.962	-3.3	103	-0.02	5.33
21		3&4-Methylphenol	1.301	1.326	-1.9	100	-0.02	5.33
22	I	Naphthalene-d8	1.000	1.000	0.0	98	-0.02	6.13
23	S	Nitrobenzene-d5	0.357	0.374	-4.8	100	-0.02	5.45
24		Nitrobenzene	0.352	0.364	-3.4	99	-0.02	5.47
25		Isophorone	0.642	0.651	-1.4	99	-0.02	5.68
26	C	2-Nitrophenol	0.194	0.206	-6.2	101	-0.02	5.76
27		2,4-Dimethylphenol	0.346	0.358	-3.5	99	-0.02	5.81
28		bis(2-Chloroethoxy)methan	0.380	0.379	0.3	96	-0.03	5.88
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	75.000	67.366	10.2	85	-0.03	5.94
		----------	AvgRF	CCRF	%Dev		----------	
30	C	2,4-Dichlorophenol	0.300	0.309	-3.0	98	-0.02	6.01
31		1,2,4-Trichlorobenzene	0.313	0.328	-4.8	100	-0.03	6.09
32		Naphthalene	0.992	1.003	-1.1	100	-0.02	6.15
33		4-Chloroaniline	0.450	0.449	0.2	97	-0.02	6.23
34		2,6-Dichlorophenol	0.297	0.303	-2.0	98	-0.02	6.25
35	C	Hexachlorobutadiene	0.157	0.172	-9.6	106	-0.03	6.34
36		Caprolactam	0.127	0.125	1.6	96	-0.03	6.60
37	C	4-Chloro-3-methylphenol	0.307	0.317	-3.3	98	-0.03	6.82

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
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Sample: SL1178-CC1171
Lab FileID: L021943.D

38		2-Methylnaphthalene	0.684	0.685	-0.1	97	-0.03	6.96
39		1-Methylnaphthalene	0.667	0.668	-0.1	98	-0.02	7.10
40		1,2,4,5-Tetrachlorobenzen	0.321	0.334	-4.0	101	-0.03	7.23
41	I	Acenaphthene-d10	1.000	1.000	0.0	94	-0.03	8.47
		----------	Amount	Calc.	%Drift		----------	
42	P	Hexachlorocyclopentadiene	75.000	75.820	-1.1	94	-0.02	7.25
		----------	AvgRF	CCRF	%Dev		----------	
43	C	2,4,6-Trichlorophenol	0.383	0.401	-4.7	97	-0.02	7.38
44		2,4,5-Trichlorophenol	0.412	0.427	-3.6	98	-0.03	7.44
45	S	2-Fluorobiphenyl	1.362	1.395	-2.4	97	-0.03	7.47
46		1,1'-Biphenyl	1.542	1.587	-2.9	99	-0.03	7.60
47		2-Chloronaphthalene	1.175	1.188	-1.1	97	-0.03	7.61
48		2-Nitroaniline	0.377	0.399	-5.8	98	-0.03	7.82
49		Acenaphthylene	1.924	1.967	-2.2	97	-0.03	8.23
50		Dimethylphthalate	1.440	1.445	-0.3	96	-0.03	8.15
51		2,6-Dinitrotoluene	0.320	0.332	-3.8	97	-0.03	8.24
52	C	Acenaphthene	1.187	1.208	-1.8	97	-0.03	8.52
53		3-Nitroaniline	0.382	0.384	-0.5	95	-0.03	8.46
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	75.000	70.148	6.5	87	-0.03	8.62
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.712	1.719	-0.4	97	-0.03	8.77
56		2,4-Dinitrotoluene	0.456	0.472	-3.5	96	-0.03	8.87
		----------	Amount	Calc.	%Drift		----------	
57	P	4-Nitrophenol	75.000	77.328	-3.1	99	-0.02	8.81
		----------	AvgRF	CCRF	%Dev		----------	
58		2,3,4,6-Tetrachlorophenol	0.307	0.320	-4.2	94	-0.03	9.07
59		Fluorene	1.370	1.376	-0.4	96	-0.03	9.34
60		4-Chlorophenyl-phenylethe	0.643	0.650	-1.1	96	-0.03	9.36
61		Diethylphthalate	1.406	1.421	-1.1	97	-0.03	9.30
62		4-Nitroaniline	0.392	0.397	-1.3	95	-0.03	9.48
63	I	Phenanthrene-d10	1.000	1.000	0.0	94	-0.03	10.95
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	75.000	76.987	-2.6	100	-0.03	9.55
		----------	AvgRF	CCRF	%Dev		----------	
65	C	n-Nitrosodiphenylamine	0.581	0.599	-3.1	97	-0.03	9.59
66		1,2-Diphenylhydrazine	0.720	0.749	-4.0	96	-0.03	9.63
67	S	2,4,6-Tribromophenol	0.081	0.086	-6.2	96	-0.03	9.79
68		4-Bromophenyl-phenylether	0.193	0.205	-6.2	100	-0.03	10.19
69		Hexachlorobenzene	0.187	0.195	-4.3	98	-0.03	10.43
70		Atrazine	0.233	0.245	-5.2	100	-0.03	10.62
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	75.000	73.144	2.5	89	-0.03	10.78
		----------	AvgRF	CCRF	%Dev		----------	
72		Phenanthrene	1.131	1.142	-1.0	97	-0.03	10.99
73		Anthracene	1.162	1.179	-1.5	95	-0.03	11.07
74		Carbazole	1.112	1.120	-0.7	96	-0.03	11.42
75		Di-n-butylphthalate	1.263	1.344	-6.4	100	-0.04	12.25

Continuing Calibration Summary

Job Number: F24685
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Sample: SL1178-CC1171
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76	C	Fluoranthene	1.197	1.228	-2.6	100	-0.03	13.18
77	I	Chrysene-d12	1.000	1.000	0.0	95	-0.03	15.90
78		Benzidine	0.923	0.961	-4.1	94	-0.04	13.51
79		Pyrene	1.344	1.403	-4.4	99	-0.03	13.59
80	S	Terphenyl-d14	0.777	0.811	-4.4	100	-0.04	13.99
81		Butylbenzylphthalate	0.605	0.652	-7.8	99	-0.03	15.05
82		3,3'-Dichlorobenzidine	0.443	0.460	-3.8	96	-0.03	15.93
83		Benzo[a]anthracene	1.205	1.226	-1.7	96	-0.03	15.87
84		Chrysene	1.117	1.115	0.2	96	-0.03	15.95
85		bis(2-Ethylhexyl)phthalat	0.826	0.865	-4.7	97	-0.03	16.26
86	I	Perylene-d12	1.000	1.000	0.0	93	-0.03	18.42
87	C	Di-n-octylphthalate	1.895	2.063	-8.9	96	-0.03	17.38
88		Benzo[b]fluoranthene	1.664	1.721	-3.4	94	-0.03	17.82
89		Benzo[k]fluoranthene	1.580	1.650	-4.4	95	-0.04	17.85
90	C	Benzo[a]pyrene	1.543	1.627	-5.4	94	-0.03	18.33
91		Indeno[1,2,3-cd]pyrene	1.586	1.618	-2.0	91	-0.04	20.04
92		Dibenz[a,h]anthracene	1.436	1.466	-2.1	93	-0.04	20.08
93		Benzo[g,h,i]perylene	1.622	1.659	-2.3	90	-0.03	20.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L021796.D 8270C.M Wed Jun 16 12:52:53 2004

4.1

ACCUTEST Laboratories

Instrument Performance Check (DFTPP)

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SW1064-DFTPP	Injection Date:	06/09/04
Lab File ID:	W020219.D	Injection Time:	14:11
Instrument ID:	GCMSW		

4.4

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	36693	47.8		Pass
68	Less than 2.0% of mass 69	200	0.26	(0.63) [a]	Pass
69	Mass 69 relative abundance	31819	41.4		Pass
70	Less than 2.0% of mass 69	131	0.17	(0.41) [a]	Pass
127	40.0 - 60.0% of mass 198	41779	54.4		Pass
197	Less than 1.0% of mass 198	469	0.61		Pass
198	Base peak, 100% relative abundance	76779	100.0		Pass
199	5.0 - 9.0% of mass 198	5155	6.7		Pass
275	10.0 - 30.0% of mass 198	14061	18.3		Pass
365	1.0 - 100.0% of mass 198	1519	2.0		Pass
441	Present, but less than mass 443	7332	9.5	(83.1) [b]	Pass
442	40.0 - 100.0% of mass 198	46107	60.1		Pass
443	17.0 - 23.0% of mass 442	8819	11.5	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1064-IC1064	W020220.D	06/09/04	14:30	00:19	Initial cal 5
SW1064-IC1064	W020221.D	06/09/04	15:01	00:50	Initial cal 25
SW1064-IC1064	W020222.D	06/09/04	15:32	01:21	Initial cal 50
SW1064-ICC1064	W020223.D	06/09/04	16:03	01:52	Initial cal 75
SW1064-IC1064	W020224.D	06/09/04	16:34	02:23	Initial cal 100
SW1064-IC1064	W020225.D	06/09/04	17:04	02:53	Initial cal 125
SW1064-ICV1064	W020226.D	06/09/04	17:35	03:24	Initial cal verification 50
OP10581-BS	W020227.D	06/09/04	18:06	03:55	Blank Spike
OP10581-MB	W020228.D	06/09/04	18:37	04:26	Method Blank
ZZZZZZ	W020229.D	06/09/04	19:07	04:56	(unrelated sample)
ZZZZZZ	W020230.D	06/09/04	19:37	05:26	(unrelated sample)
ZZZZZZ	W020231.D	06/09/04	20:08	05:57	(unrelated sample)
ZZZZZZ	W020232.D	06/09/04	20:38	06:27	(unrelated sample)
ZZZZZZ	W020233.D	06/09/04	21:08	06:57	(unrelated sample)
ZZZZZZ	W020234.D	06/09/04	21:38	07:27	(unrelated sample)
ZZZZZZ	W020235.D	06/09/04	22:08	07:57	(unrelated sample)
ZZZZZZ	W020236.D	06/09/04	22:37	08:26	(unrelated sample)
F24290-4	W020237.D	06/09/04	23:07	08:56	(used for QC only; not part of job F24685)
OP10581-MS	W020238.D	06/09/04	23:37	09:26	Matrix Spike

ACCUTEST Laboratories

Instrument Performance Check (DFTPP)

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SW1064-DFTPP	Injection Date:	06/09/04
Lab File ID:	W020219.D	Injection Time:	14:11
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP10581-MSD	W020239.D	06/10/04	00:06	09:55	Matrix Spike Duplicate
ZZZZZZ	W020240.D	06/10/04	00:36	10:25	(unrelated sample)
ZZZZZZ	W020241.D	06/10/04	01:05	10:54	(unrelated sample)
ZZZZZZ	W020242.D	06/10/04	01:35	11:24	(unrelated sample)

ACCUTEST Laboratories

Initial Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICC1064
Lab FileID: W020223.D

Response Factor Report MSBNA01

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Initial Calibration

Calibration Files
5 =W020220.D 25 =W020221.D 50 =W020222.D 75 =W020223.D
100 =W020224.D 125 =W020225.D icv =W020226.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) 1,4-Dioxane	0.569	0.585	0.589	0.592	0.589	0.580		0.584	1.41
3) N-nitrosodimethyl	0.622	0.674	0.680	0.675	0.666	0.682		0.667	3.39
4) Pyridine	1.423	1.524	1.503	1.470	1.491	1.500		1.485	2.37
5) Benzaldehyde	1.081	1.167	1.109	0.957	0.817			1.026	13.62
6) Aniline	2.178	2.261	2.247	2.196	2.126	2.149		2.193	2.43
7)S 2-Fluorophenol	1.323	1.387	1.385	1.349	1.341	1.336		1.354	1.97
8) bis(2-Chloroethyl	1.298	1.403	1.330	1.393	1.408	1.366		1.366	3.24
9)S Phenol-d5	1.686	1.756	1.725	1.659	1.630	1.629		1.681	3.09
10)C Phenol	1.854	1.983	1.945	1.872	1.826	1.820		1.883	3.52
11) 2-Chlorophenol	1.468	1.542	1.545	1.519	1.514	1.509		1.516	1.84
12) 1,3-Dichlorobenze	1.556	1.615	1.590	1.586	1.582	1.578		1.585	1.20
13)C 1,4-Dichlorobenze	1.592	1.673	1.654	1.616	1.588	1.593		1.619	2.23
14) 1,2-Dichlorobenze	1.481	1.509	1.526	1.499	1.474	1.471		1.493	1.45
15) Benzyl alcohol	0.937	1.015	1.005	0.994	0.988	0.992		0.988	2.73
16) bis(2-chloroisopr	2.521	2.798	2.788	2.665	2.684	2.657		2.686	3.78
17) 2-Methylphenol	1.338	1.377	1.369	1.336	1.310	1.324		1.342	1.93
18) Acetophenone	1.737	1.942	2.016	1.869	1.875	1.968		1.901	5.16
19) Hexachloroethane	0.597	0.644	0.641	0.628	0.633	0.634		0.630	2.70
20)P N-Nitroso-di-n-pr	0.952	0.974	0.975	0.954	0.960	0.943		0.960	1.32
21) 3&4-Methylphenol	1.357	1.421	1.442	1.394	1.369	1.363		1.391	2.47
22) I Naphthalene-d8	----------ISTD----------								
23)S Nitrobenzene-d5	0.340	0.368	0.370	0.366	0.363	0.364		0.362	3.04
24) Nitrobenzene	0.346	0.360	0.360	0.362	0.356	0.357		0.357	1.58
25) Isophorone	0.608	0.625	0.636	0.625	0.622	0.627		0.624	1.46
26)C 2-Nitrophenol	0.179	0.190	0.194	0.196	0.194	0.197		0.192	3.41
27) 2,4-Dimethylpheno	0.344	0.364	0.361	0.360	0.350	0.351		0.355	2.19
28) bis(2-Chloroethox	0.386	0.417	0.412	0.404	0.402	0.400		0.404	2.65
29) Benzoic Acid	0.147	0.242	0.262	0.272	0.271	0.287		0.247	20.72
---- Linear regression ---- Coefficient = 0.9983									
Response Ratio = -0.02855 + 0.28968 *A									
30)C 2,4-Dichloropheno	0.254	0.267	0.273	0.271	0.268	0.266		0.267	2.45
31) 1,2,4-Trichlorobe	0.291	0.299	0.298	0.300	0.296	0.292		0.296	1.31
32) Naphthalene	1.009	1.068	1.042	1.039	1.026	1.022		1.034	1.95
33) 4-Chloroaniline	0.413	0.430	0.425	0.427	0.418	0.411		0.421	1.88
34) 2,6-Dichloropheno	0.256	0.270	0.270	0.267	0.262	0.258		0.264	2.31
35)C Hexachlorobutadie	0.145	0.148	0.147	0.148	0.147	0.145		0.147	1.00
36) Caprolactam	0.082	0.107	0.104	0.100	0.096	0.096		0.097	8.81
37)C 4-Chloro-3-methyl	0.286	0.293	0.292	0.288	0.285	0.287		0.288	1.14
38) 2-Methylnaphthale	0.617	0.645	0.626	0.636	0.624	0.612		0.627	1.97
39) 1-Methylnaphthale	0.602	0.625	0.614	0.616	0.593	0.596		0.608	2.07
40) 1,2,4,5-Tetrachlo	0.252	0.262	0.256	0.252	0.252	0.251		0.254	1.70
41) I Acenaphthene-d10	----------ISTD----------								

ACCUTEST Laboratories

Initial Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICC1064
Lab FileID: W020223.D

42)P	Hexachlorocyclope	0.359	0.404	0.414	0.420	0.433	0.440	0.412	6.95
43)C	2,4,6-Trichloroph	0.385	0.418	0.409	0.417	0.419	0.430	0.413	3.73
44)	2,4,5-Trichloroph	0.419	0.448	0.438	0.442	0.438	0.438	0.437	2.24
45)S	2-Fluorobiphenyl	1.354	1.454	1.426	1.421	1.451	1.452	1.426	2.68
46)	1,1'-Biphenyl	1.584	1.729	1.731	1.654	1.679	1.792	1.695	4.27
47)	2-Chloronaphthale	1.264	1.327	1.289	1.285	1.265	1.303	1.289	1.86
48)	2-Nitroaniline	0.380	0.410	0.423	0.413	0.414	0.430	0.411	4.15
49)	Acenaphthylene	2.010	2.104	2.101	2.076	2.097	2.119	2.085	1.89
50)	Dimethylphthalate	1.331	1.350	1.312	1.270	1.271	1.298	1.305	2.46
51)	2,6-Dinitrotoluen	0.287	0.317	0.311	0.310	0.309	0.313	0.308	3.47
52)C	Acenaphthene	1.251	1.280	1.279	1.268	1.266	1.293	1.273	1.14
53)	3-Nitroaniline	0.371	0.396	0.401	0.384	0.380	0.385	0.386	2.87
54)P	2,4-Dinitrophenol	0.091	0.162	0.195	0.196	0.204	0.209	0.176	25.38

---- Quadratic regression ---- Coefficient = 0.9997
Response Ratio = -0.01577 + 0.19444 *A + 0.00624 *A^2

55)	Dibenzofuran	1.627	1.697	1.668	1.644	1.643	1.665	1.657	1.49
56)	2,4-Dinitrotoluen	0.398	0.410	0.413	0.404	0.405	0.415	0.407	1.49
57)P	4-Nitrophenol	0.185	0.201	0.207	0.207	0.198	0.209	0.201	4.43
58)	2,3,4,6-Tetrachlo	0.303	0.319	0.326	0.319	0.314	0.321	0.317	2.50
59)	Fluorene	1.283	1.336	1.306	1.284	1.282	1.299	1.298	1.61
60)	4-Chlorophenyl-ph	0.625	0.623	0.611	0.596	0.596	0.602	0.609	2.11
61)	Diethylphthalate	1.327	1.409	1.376	1.319	1.346	1.356	1.356	2.46
62)	4-Nitroaniline	0.347	0.386	0.380	0.368	0.358	0.371	0.368	3.79
63) I	Phenanthrene-d10	----------ISTD----------							
64)	4,6-Dinitro-2-met	0.090	0.137	0.151	0.153	0.160	0.162	0.142	19.04

---- Quadratic regression ---- Coefficient = 0.9999
Response Ratio = -0.00805 + 0.14876 *A + 0.00527 *A^2

65)C	n-Nitrosodiphenyl	0.577	0.620	0.605	0.607	0.610	0.598	0.603	2.38
66)	1,2-Diphenylhydra	0.880	0.929	0.908	0.908	0.915	0.999	0.923	4.40
67)S	2,4,6-Tribromophe	0.075	0.084	0.083	0.083	0.085	0.083	0.082	4.20
68)	4-Bromophenyl-phe	0.183	0.192	0.192	0.192	0.194	0.192	0.191	2.00
69)	Hexachlorobenzene	0.179	0.180	0.178	0.176	0.177	0.175	0.177	1.08
70)	Atrazine	0.193	0.212	0.208	0.190	0.193	0.204	0.200	4.56
71)C	Pentachlorophenol	0.101	0.121	0.123	0.124	0.128	0.125	0.120	8.31
72)	Phenanthrene	1.188	1.204	1.218	1.203	1.198	1.187	1.200	0.96
73)	Anthracene	1.230	1.276	1.247	1.224	1.229	1.192	1.233	2.26
74)	Carbazole	1.030	1.066	1.043	1.017	1.039	1.021	1.036	1.74
75)	Di-n-butylphthala	1.299	1.419	1.409	1.374	1.404	1.401	1.384	3.19
76)C	Fluoranthene	1.021	1.086	1.073	1.042	1.041	1.038	1.050	2.32
77) I	Chrysene-d12	----------ISTD----------							
78)	Benzidine	0.996	1.091	1.070	1.070	1.022	0.954	1.034	5.08
79)	Pyrene	1.577	1.663	1.629	1.659	1.662	1.633	1.637	2.02
80)S	Terphenyl-d14	0.844	0.902	0.886	0.899	0.904	0.881	0.886	2.54
81)	Butylbenzylphthal	0.726	0.815	0.841	0.835	0.836	0.829	0.814	5.40
82)	3,3'-Dichlorobenz	0.413	0.437	0.439	0.437	0.427	0.422	0.429	2.39
83)	Benzo[a]anthracen	1.255	1.290	1.291	1.282	1.272	1.254	1.274	1.31
84)	Chrysene	1.172	1.221	1.199	1.195	1.179	1.189	1.193	1.44
85)	bis(2-Ethylhexyl)	0.963	1.090	1.093	1.113	1.151	1.112	1.087	5.93
86) I	Perylene-d12	----------ISTD----------							
87)C	Di-n-octylphthala	2.403	2.840	2.872	2.849	3.006	3.015	2.831	7.90
88)	Benzo[b]fluoranth	1.609	1.776	1.780	1.820	1.793	1.955	1.789	6.20
89)	Benzo[k]fluoranth	1.712	1.767	1.740	1.729	1.704	1.625	1.713	2.82
90)C	Benzo[a]pyrene	1.472	1.633	1.607	1.626	1.619	1.660	1.603	4.15
91)	Indeno[1,2,3-cd]p	1.117	1.230	1.256	1.313	1.301	1.355	1.262	6.63
92)	Dibenz[a,h]anthra	1.014	1.229	1.200	1.257	1.271	1.242	1.202	7.95

Initial Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICC1064
Lab FileID: W020223.D

93)	Benzo[g,h,i]peryl	1.287	1.362	1.328	1.368	1.386	1.363	1.349	2.64

(#) = Out of Range

8270C.M Wed Jun 16 09:17:29 2004 MSBNA01

4.7

ACCUTEST laboratories

Initial Calibration Verification

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICV1064
Lab FileID: W020226.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\060904\W020226.D
Acq On : 9 Jun 2004 5:35 pm
Sample : icv1064-50
Misc : op10551,sw1064,30.8,,,1,1,soil
MS Integration Params: LSCINT.P

Vial: 8
Operator: marke
Inst : MSBNA01
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	97	0.00	5.26
2		1,4-Dioxane	50.000	49.238	1.5	0	0.04	2.05
3		N-nitrosodimethylamine	50.000	53.625	-7.2	0	0.02	2.67
4		Pyridine	50.000	43.801	12.4	0	0.02	2.64
5		Benzaldehyde		----------NA----------				
6		Aniline	50.000	14.816	70.4#	0	0.00	5.01
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	50.381	-0.8	0	0.00	5.06
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	48.847	2.3	0	0.00	5.00
11		2-Chlorophenol	50.000	49.417	1.2	0	0.00	5.10
12		1,3-Dichlorobenzene	50.000	47.905	4.2	0	0.00	5.23
13	C	1,4-Dichlorobenzene	50.000	48.597	2.8	0	0.00	5.27
14		1,2-Dichlorobenzene	50.000	48.832	2.3	0	0.00	5.44
15		Benzyl alcohol	50.000	48.110	3.8	0	0.00	5.40
16		bis(2-chloroisopropyl)eth	50.000	51.591	-3.2	0	0.00	5.53
17		2-Methylphenol	50.000	48.684	2.6	0	0.00	5.51
18		Acetophenone	50.000	49.771	0.5	0	0.00	5.64
19		Hexachloroethane	50.000	48.251	3.5	0	0.00	5.72
20	P	N-Nitroso-di-n-propylamin	50.000	50.579	-1.2	0	0.00	5.67
21		3&4-Methylphenol	100.000	95.227	4.8	0	0.00	5.64
22	I	Naphthalene-d8	40.000	40.000	0.0	100	0.00	6.50
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	48.217	3.6	0	0.00	5.80
25		Isophorone	50.000	51.805	-3.6	0	0.00	6.03
26	C	2-Nitrophenol	50.000	50.604	-1.2	0	0.00	6.11
27		2,4-Dimethylphenol	50.000	49.532	0.9	0	0.00	6.14
28		bis(2-Chloroethoxy)methan	50.000	46.172	7.7	0	0.00	6.25
29		Benzoic Acid	100.000	97.055	2.9	0	0.00	6.31
30	C	2,4-Dichlorophenol	50.000	49.894	0.2	0	0.00	6.35
31		1,2,4-Trichlorobenzene	50.000	48.842	2.3	0	0.00	6.45
32		Naphthalene	50.000	49.682	0.6	0	0.00	6.52
33		4-Chloroaniline	50.000	27.439	45.1#	0	0.00	6.59
34		2,6-Dichlorophenol	50.000	45.526	8.9	0	0.00	6.60
35	C	Hexachlorobutadiene	50.000	47.945	4.1	0	0.00	6.72
36		Caprolactam	50.000	51.681	-3.4	0	-0.02	6.99
37	C	4-Chloro-3-methylphenol	50.000	49.555	0.9	0	0.00	7.15
38		2-Methylnaphthalene	50.000	49.288	1.4	0	0.00	7.34
39		1-Methylnaphthalene	50.000	51.697	-3.4	0	0.00	7.48
40		1,2,4,5-Tetrachlorobenzen	50.000	47.621	4.8	0	0.00	7.61

ACCUTEST Laboratories

Initial Calibration Verification

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICV1064
Lab FileID: W020226.D

41	I	Acenaphthene-d10	40.000	40.000	0.0	100	0.00	8.85
42	P	Hexachlorocyclopentadiene	50.000	43.010	14.0	0	0.00	7.63
43	C	2,4,6-Trichlorophenol	50.000	48.187	3.6	0	0.00	7.74
44		2,4,5-Trichlorophenol	50.000	48.693	2.6	0	0.00	7.79
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	48.505	3.0	0	0.00	7.98
47		2-Chloronaphthalene	50.000	48.728	2.5	0	0.00	7.99
48		2-Nitroaniline	50.000	51.019	-2.0	0	0.00	8.18
49		Acenaphthylene	50.000	49.111	1.8	0	0.00	8.61
50		Dimethylphthalate	50.000	51.839	-3.7	0	-0.01	8.53
51		2,6-Dinitrotoluene	50.000	49.594	0.8	0	0.00	8.62
52	C	Acenaphthene	50.000	51.318	-2.6	0	0.00	8.90
53		3-Nitroaniline	50.000	30.627	38.7#	0	-0.01	8.82
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	100.000	101.394	-1.4	0	0.00	8.99
		----------	Amount	Calc.	%Drift		----------	
55		Dibenzofuran	50.000	48.679	2.6	0	0.00	9.15
56		2,4-Dinitrotoluene	50.000	50.492	-1.0	0	0.00	9.24
57	P	4-Nitrophenol	100.000	99.419	0.6	0	0.00	9.10
58		2,3,4,6-Tetrachlorophenol	50.000	46.258	7.5	0	0.00	9.42
59		Fluorene	50.000	53.980	-8.0	0	0.00	9.72
60		4-Chlorophenyl-phenylethe	50.000	50.524	-1.0	0	0.00	9.74
61		Diethylphthalate	50.000	51.529	-3.1	0	0.00	9.69
62		4-Nitroaniline	50.000	47.807	4.4	0	-0.01	9.84
63	I	Phenanthrene-d10	40.000	40.000	0.0	105	0.00	11.32
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	100.000	102.360	-2.4	0	0.00	9.91
		----------	Amount	Calc.	%Drift		----------	
65	C	n-Nitrosodiphenylamine	50.000	49.948	0.1	0	0.00	9.96
66		1,2-Diphenylhydrazine	50.000	49.789	0.4	0	0.00	10.01
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	49.186	1.6	0	0.00	10.57
69		Hexachlorobenzene	50.000	48.264	3.5	0	0.00	10.80
70		Atrazine	50.000	19.819	60.4#	0	0.00	10.98
71	C	Pentachlorophenol	100.000	103.129	-3.1	0	0.00	11.12
72		Phenanthrene	50.000	51.439	-2.9	0	0.00	11.36
73		Anthracene	50.000	50.558	-1.1	0	0.00	11.44
74		Carbazole	50.000	49.856	0.3	0	0.00	11.76
75		Di-n-butylphthalate	50.000	49.272	1.5	0	0.00	12.62
76	C	Fluoranthene	50.000	49.440	1.1	0	0.00	13.54
77	I	Chrysene-d12	40.000	40.000	0.0	112	0.00	16.25
78		Benzidine		----------NA----------				
79		Pyrene	50.000	49.826	0.3	0	0.00	13.94
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	49.375	1.3	0	0.00	15.42
82		3,3'-Dichlorobenzidine	50.000	34.432	31.1#	0	0.00	16.26
83		Benzo[a]anthracene	50.000	50.760	-1.5	0	0.00	16.21
84		Chrysene	50.000	51.961	-3.9	0	0.00	16.29
85		bis(2-Ethylhexyl)phthalat	50.000	50.013	-0.0	0	0.00	16.62
86	I	Perylene-d12	40.000	40.000	0.0	110	0.00	18.75
87	C	Di-n-octylphthalate	50.000	55.913	-11.8	0	0.00	17.73
88		Benzo[b]fluoranthene	50.000	51.225	-2.5	0	0.00	18.14
89		Benzo[k]fluoranthene	50.000	52.189	-4.4	0	0.00	18.19

Initial Calibration Verification

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1064-ICV1064
Lab FileID: W020226.D

90	C	Benzo[a]pyrene	50.000	52.840	-5.7	0	0.00	18.66
91		Indeno[1,2,3-cd]pyrene	50.000	49.419	1.2	0	0.00	20.34
92		Dibenz[a,h]anthracene	50.000	50.780	-1.6	0	0.00	20.39
93		Benzo[g,h,i]perylene	50.000	51.023	-2.0	0	0.00	20.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W020226.D 8270C.M Wed Jun 16 09:17:43 2004 MSBNA01

4.1

ACCUTEST Laboratories

Instrument Performance Check (DFTPP)

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SW1068-DFTPP	Injection Date:	06/16/04
Lab File ID:	W020335.D	Injection Time:	10:45
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	50104	52.0		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	42720	44.3		Pass
70	Less than 2.0% of mass 69	188	0.2	(0.44) [a]	Pass
127	40.0 - 60.0% of mass 198	52691	54.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	96339	100.0		Pass
199	5.0 - 9.0% of mass 198	6530	6.8		Pass
275	10.0 - 30.0% of mass 198	17269	17.9		Pass
365	1.0 - 100.0% of mass 198	1659	1.7		Pass
441	Present, but less than mass 443	7653	7.9	(81.8) [b]	Pass
442	40.0 - 100.0% of mass 198	48960	50.8		Pass
443	17.0 - 23.0% of mass 442	9360	9.7	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1068-CC1064	W020336.D	06/16/04	11:04	00:19	Continuing cal 75
OP10654-MB	W020337.D	06/16/04	11:33	00:48	Method Blank
ZZZZZZ	W020338.D	06/16/04	12:03	01:18	(unrelated sample)
ZZZZZZ	W020339.D	06/16/04	12:33	01:48	(unrelated sample)
ZZZZZZ	W020340.D	06/16/04	13:03	02:18	(unrelated sample)
OP10675-MB	W020343.D	06/16/04	14:33	03:48	Method Blank
OP10678-BS	W020345.D	06/16/04	15:33	04:48	Blank Spike
OP10678-MB	W020346.D	06/16/04	16:03	05:18	Method Blank
ZZZZZZ	W020347.D	06/16/04	16:34	05:49	(unrelated sample)
ZZZZZZ	W020349.D	06/16/04	17:35	06:50	(unrelated sample)
ZZZZZZ	W020350.D	06/16/04	18:05	07:20	(unrelated sample)
F24685-14	W020351.D	06/16/04	18:35	07:50	KWRB060804
ZZZZZZ	W020352.D	06/16/04	19:04	08:19	(unrelated sample)
ZZZZZZ	W020353.D	06/16/04	19:34	08:49	(unrelated sample)
ZZZZZZ	W020354.D	06/16/04	20:04	09:19	(unrelated sample)
ZZZZZZ	W020355.D	06/16/04	20:34	09:49	(unrelated sample)
F24683-3	W020356.D	06/16/04	21:03	10:18	(used for QC only; not part of job F24685)
OP10678-MS	W020357.D	06/16/04	21:32	10:47	Matrix Spike
OP10678-MSD	W020358.D	06/16/04	22:02	11:17	Matrix Spike Duplicate

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1068-CC1064
Lab FileID: W020336.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\061604\W020336.D
Acq On : 16 Jun 2004 11:04 am
Sample : cc1064-75
Misc : op10675,sw1068,980,,,1,1,water
MS Integration Params: LSCINT.P

Vial: 2
Operator: marke
Inst : MSBNA01
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	5.25
2		1,4-Dioxane	0.584	0.626	-7.2	120	-0.05	1.96
3		N-nitrosodimethylamine	0.667	0.649	2.7	109	-0.03	2.62
4		Pyridine	1.485	1.514	-2.0	117	-0.03	2.59
5		Benzaldehyde	1.026	1.101	-7.3	131	0.00	4.88
6		Aniline	2.193	2.185	0.4	113	0.00	5.01
7	S	2-Fluorophenol	1.354	1.399	-3.3	118	0.00	4.18
8		bis(2-Chloroethyl)ether	1.366	1.335	2.3	109	-0.01	5.06
9	S	Phenol-d5	1.681	1.665	1.0	114	0.00	4.99
10	C	Phenol	1.883	1.878	0.3	114	0.00	5.00
11		2-Chlorophenol	1.516	1.528	-0.8	114	0.00	5.10
12		1,3-Dichlorobenzene	1.585	1.615	-1.9	116	0.00	5.22
13	C	1,4-Dichlorobenzene	1.619	1.655	-2.2	117	0.00	5.27
14		1,2-Dichlorobenzene	1.493	1.522	-1.9	116	0.00	5.43
15		Benzyl alcohol	0.988	0.974	1.4	111	0.00	5.40
16		bis(2-chloroisopropyl)eth	2.686	2.725	-1.5	116	-0.01	5.53
17		2-Methylphenol	1.342	1.329	1.0	113	0.00	5.51
18		Acetophenone	1.901	1.896	0.3	115	-0.01	5.64
19		Hexachloroethane	0.630	0.644	-2.2	117	-0.01	5.71
20	P	N-Nitroso-di-n-propylamin	0.960	0.938	2.3	112	-0.01	5.67
21		3&4-Methylphenol	1.391	1.361	2.2	111	0.00	5.64
22	I	Naphthalene-d8	1.000	1.000	0.0	111	0.00	6.49
23	S	Nitrobenzene-d5	0.362	0.371	-2.5	112	0.00	5.78
24		Nitrobenzene	0.357	0.363	-1.7	111	0.00	5.80
25		Isophorone	0.624	0.630	-1.0	112	-0.01	6.03
26	C	2-Nitrophenol	0.192	0.198	-3.1	112	0.00	6.11
27		2,4-Dimethylphenol	0.355	0.359	-1.1	111	0.00	6.14
28		bis(2-Chloroethoxy)methan	0.404	0.415	-2.7	114	0.00	6.24
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	75.000	67.497	10.0	100	-0.03	6.28
		----------	AvgRF	CCRF	%Dev		----------	
30	C	2,4-Dichlorophenol	0.267	0.275	-3.0	112	0.00	6.35
31		1,2,4-Trichlorobenzene	0.296	0.306	-3.4	113	0.00	6.44
32		Naphthalene	1.034	1.053	-1.8	112	-0.01	6.51
33		4-Chloroaniline	0.421	0.431	-2.4	112	0.00	6.59
34		2,6-Dichlorophenol	0.264	0.267	-1.1	111	0.00	6.60
35	C	Hexachlorobutadiene	0.147	0.152	-3.4	114	-0.01	6.70
36		Caprolactam	0.097	0.097	0.0	108	-0.02	7.00
37	C	4-Chloro-3-methylphenol	0.288	0.286	0.7	110	0.00	7.15

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1068-CC1064
Lab FileID: W020336.D

38		2-Methylnaphthalene	0.627	0.640	-2.1	111	-0.01	7.33
39		1-Methylnaphthalene	0.608	0.626	-3.0	113	0.00	7.47
40		1,2,4,5-Tetrachlorobenzen	0.254	0.256	-0.8	113	-0.01	7.60
41	I	Acenaphthene-d10	1.000	1.000	0.0	110	0.00	8.84
42	P	Hexachlorocyclopentadiene	0.412	0.425	-3.2	111	0.00	7.63
43	C	2,4,6-Trichlorophenol	0.413	0.422	-2.2	111	0.00	7.73
44		2,4,5-Trichlorophenol	0.437	0.444	-1.6	110	0.00	7.79
45	S	2-Fluorobiphenyl	1.426	1.434	-0.6	111	0.00	7.85
46		1,1'-Biphenyl	1.695	1.724	-1.7	114	-0.01	7.97
47		2-Chloronaphthalene	1.289	1.315	-2.0	112	-0.01	7.98
48		2-Nitroaniline	0.411	0.408	0.7	109	-0.01	8.18
49		Acenaphthylene	2.085	2.072	0.6	110	-0.01	8.60
50		Dimethylphthalate	1.305	1.303	0.2	113	-0.01	8.52
51		2,6-Dinitrotoluene	0.308	0.305	1.0	108	-0.01	8.61
52	C	Acenaphthene	1.273	1.271	0.2	110	0.00	8.90
53		3-Nitroaniline	0.386	0.376	2.6	107	0.00	8.82
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	75.000	68.153	9.1	99	-0.01	8.98
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.657	1.653	0.2	110	-0.01	9.14
56		2,4-Dinitrotoluene	0.407	0.404	0.7	110	-0.01	9.23
57	P	4-Nitrophenol	0.201	0.184	8.5	98	0.00	9.10
58		2,3,4,6-Tetrachlorophenol	0.317	0.317	0.0	109	0.00	9.42
59		Fluorene	1.298	1.293	0.4	111	-0.01	9.71
60		4-Chlorophenyl-phenylethe	0.609	0.605	0.7	111	-0.01	9.73
61		Diethylphthalate	1.356	1.312	3.2	109	-0.01	9.68
62		4-Nitroaniline	0.368	0.353	4.1	105	-0.02	9.83
63	I	Phenanthrene-d10	1.000	1.000	0.0	107	0.00	11.31
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	75.000	74.360	0.9	107	-0.02	9.90
		----------	AvgRF	CCRF	%Dev		----------	
65	C	n-Nitrosodiphenylamine	0.603	0.620	-2.8	110	-0.01	9.96
66		1,2-Diphenylhydrazine	0.923	0.936	-1.4	110	-0.01	10.00
67	S	2,4,6-Tribromophenol	0.082	0.086	-4.9	110	-0.01	10.15
68		4-Bromophenyl-phenylether	0.191	0.198	-3.7	110	-0.01	10.56
69		Hexachlorobenzene	0.177	0.186	-5.1	113	0.00	10.79
70		Atrazine	0.200	0.201	-0.5	113	0.00	10.98
71	C	Pentachlorophenol	0.120	0.122	-1.7	105	0.00	11.11
72		Phenanthrene	1.200	1.207	-0.6	107	-0.01	11.36
73		Anthracene	1.233	1.240	-0.6	108	-0.01	11.44
74		Carbazole	1.036	1.008	2.7	106	-0.01	11.76
75		Di-n-butylphthalate	1.384	1.384	0.0	108	-0.01	12.61
76	C	Fluoranthene	1.050	1.015	3.3	104	0.00	13.53
77	I	Chrysene-d12	1.000	1.000	0.0	95	0.00	16.24
78		Benzidine	1.034	1.070	-3.5	95	-0.01	13.86
79		Pyrene	1.637	1.808	-10.4	104	0.00	13.94
80	S	Terphenyl-d14	0.886	0.991	-11.9	105	0.00	14.34
81		Butylbenzylphthalate	0.814	0.855	-5.0	97	0.00	15.41
82		3,3'-Dichlorobenzidine	0.429	0.418	2.6	91	0.00	16.26
83		Benzo[a]anthracene	1.274	1.299	-2.0	96	0.00	16.21
84		Chrysene	1.193	1.210	-1.4	96	0.00	16.29
85		bis(2-Ethylhexyl)phthalat	1.087	1.124	-3.4	96	0.00	16.61

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1068-CC1064
Lab FileID: W020336.D

86	I	Perylene-d12	1.000	1.000	0.0	81	0.00	18.74
87	C	Di-n-octylphthalate	2.831	3.234	-14.2	92	-0.01	17.72
88		Benzo[b]fluoranthene	1.789	1.887	-5.5	84	-0.01	18.13
89		Benzo[k]fluoranthene	1.713	1.889	-10.3	89	0.00	18.18
90	C	Benzo[a]pyrene	1.603	1.711	-6.7	86	-0.01	18.65
91		Indeno[1,2,3-cd]pyrene	1.262	1.270	-0.6	79	-0.01	20.34
92		Dibenz[a,h]anthracene	1.202	1.223	-1.7	79	-0.01	20.38
93		Benzo[g,h,i]perylene	1.349	1.369	-1.5	81	-0.01	20.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W020223.D 8270C.M Wed Jun 16 16:11:13 2004 MSBNA01

4.1 4

ACCUTEST Laboratories

Instrument Performance Check (DFTPP)

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample:	SW1070-DFTPP	Injection Date:	06/17/04
Lab File ID:	W020370.D	Injection Time:	09:55
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	47373	50.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	39779	42.4		Pass
70	Less than 2.0% of mass 69	306	0.33	(0.77) [a]	Pass
127	40.0 - 60.0% of mass 198	50363	53.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	93872	100.0		Pass
199	5.0 - 9.0% of mass 198	6400	6.8		Pass
275	10.0 - 30.0% of mass 198	16227	17.3		Pass
365	1.0 - 100.0% of mass 198	1476	1.6		Pass
441	Present, but less than mass 443	6972	7.4	(76.6) [b]	Pass
442	40.0 - 100.0% of mass 198	45996	49.0		Pass
443	17.0 - 23.0% of mass 442	9100	9.7	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1070-CC1064	W020371.D	06/17/04	10:13	00:18	Continuing cal 50
OP10675-BS	W020374.D	06/17/04	11:42	01:47	Blank Spike
OP10675-MB	W020375.D	06/17/04	12:12	02:17	Method Blank
ZZZZZZ	W020376.D	06/17/04	12:42	02:47	(unrelated sample)
ZZZZZZ	W020377.D	06/17/04	13:12	03:17	(unrelated sample)
ZZZZZZ	W020378.D	06/17/04	13:42	03:47	(unrelated sample)
OP10678-MB	W020379.D	06/17/04	14:13	04:18	Method Blank
ZZZZZZ	W020380.D	06/17/04	14:43	04:48	(unrelated sample)
ZZZZZZ	W020382.D	06/17/04	15:44	05:49	(unrelated sample)
ZZZZZZ	W020383.D	06/17/04	16:15	06:20	(unrelated sample)
OP10707-BS	W020384.D	06/17/04	16:46	06:51	Blank Spike
OP10707-MB	W020385.D	06/17/04	17:16	07:21	Method Blank
F24685-9	W020386.D	06/17/04	17:46	07:51	C03D-07C-24-0604

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1070-CC1064
Lab FileID: W020371.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\061704\W020371.D
Acq On : 17 Jun 2004 10:13 am
Sample : cc1064-50
Misc : op10675,sw1070,990,,,1,1,water
MS Integration Params: LSCINT.P

Vial: 2
Operator: marke
Inst : MSBNA01
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	131	0.00	5.25
2		1,4-Dioxane	0.584	0.607	-3.9	135	-0.04	1.96
3		N-nitrosodimethylamine	0.667	0.670	-0.4	129	-0.03	2.62
4		Pyridine	1.485	1.523	-2.6	133	-0.03	2.59
5		Benzaldehyde	1.026	1.163	-13.4	137	0.00	4.88
6		Aniline	2.193	2.182	0.5	127	-0.01	5.00
7	S	2-Fluorophenol	1.354	1.392	-2.8	132	0.00	4.18
8		bis(2-Chloroethyl)ether	1.366	1.385	-1.4	136	-0.01	5.06
9	S	Phenol-d5	1.681	1.692	-0.7	128	0.00	4.99
10	C	Phenol	1.883	1.878	0.3	126	0.00	5.00
11		2-Chlorophenol	1.516	1.506	0.7	128	-0.01	5.09
12		1,3-Dichlorobenzene	1.585	1.609	-1.5	132	0.00	5.22
13	C	1,4-Dichlorobenzene	1.619	1.643	-1.5	130	0.00	5.27
14		1,2-Dichlorobenzene	1.493	1.514	-1.4	130	0.00	5.43
15		Benzyl alcohol	0.988	0.971	1.7	126	-0.01	5.39
16		bis(2-chloroisopropyl)eth	2.686	2.685	0.0	126	-0.01	5.53
17		2-Methylphenol	1.342	1.313	2.2	125	0.00	5.51
18		Acetophenone	1.901	1.945	-2.3	126	-0.01	5.64
19		Hexachloroethane	0.630	0.642	-1.9	131	-0.01	5.71
20	P	N-Nitroso-di-n-propylamin	0.960	0.932	2.9	125	-0.02	5.66
21		3&4-Methylphenol	1.391	1.355	2.6	123	-0.01	5.63
22	I	Naphthalene-d8	1.000	1.000	0.0	124	-0.01	6.48
23	S	Nitrobenzene-d5	0.362	0.370	-2.2	124	-0.01	5.78
24		Nitrobenzene	0.357	0.364	-2.0	125	0.00	5.80
25		Isophorone	0.624	0.638	-2.2	124	-0.02	6.02
26	C	2-Nitrophenol	0.192	0.204	-6.2	129	-0.01	6.10
27		2,4-Dimethylphenol	0.355	0.359	-1.1	123	-0.01	6.14
28		bis(2-Chloroethoxy)methan	0.404	0.417	-3.2	125	-0.01	6.24
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	50.000	45.093	9.8	112	-0.04	6.27
		----------	AvgRF	CCRF	%Dev		----------	
30	C	2,4-Dichlorophenol	0.267	0.271	-1.5	122	0.00	6.34
31		1,2,4-Trichlorobenzene	0.296	0.315	-6.4	131	0.00	6.44
32		Naphthalene	1.034	1.052	-1.7	125	-0.01	6.51
33		4-Chloroaniline	0.421	0.429	-1.9	125	-0.01	6.59
34		2,6-Dichlorophenol	0.264	0.274	-3.8	126	0.00	6.60
35	C	Hexachlorobutadiene	0.147	0.154	-4.8	129	-0.01	6.70
36		Caprolactam	0.097	0.100	-3.1	119	-0.03	6.99
37	C	4-Chloro-3-methylphenol	0.288	0.286	0.7	121	0.00	7.15

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1070-CC1064
Lab FileID: W020371.D

38		2-Methylnaphthalene	0.627	0.641	-2.2	127	-0.01	7.33
39		1-Methylnaphthalene	0.608	0.624	-2.6	126	-0.01	7.47
40		1,2,4,5-Tetrachlorobenzen	0.254	0.263	-3.5	127	-0.01	7.60
41	I	Acenaphthene-d10	1.000	1.000	0.0	121	-0.01	8.84
42	P	Hexachlorocyclopentadiene	0.412	0.420	-1.9	123	-0.01	7.62
43	C	2,4,6-Trichlorophenol	0.413	0.418	-1.2	123	0.00	7.73
44		2,4,5-Trichlorophenol	0.437	0.450	-3.0	124	0.00	7.79
45	S	2-Fluorobiphenyl	1.426	1.470	-3.1	124	-0.01	7.85
46		1,1'-Biphenyl	1.695	1.740	-2.7	121	-0.01	7.97
47		2-Chloronaphthalene	1.289	1.317	-2.2	123	-0.01	7.98
48		2-Nitroaniline	0.411	0.418	-1.7	119	-0.02	8.18
49		Acenaphthylene	2.085	2.117	-1.5	122	-0.01	8.60
50		Dimethylphthalate	1.305	1.345	-3.1	124	-0.02	8.52
51		2,6-Dinitrotoluene	0.308	0.319	-3.6	124	-0.02	8.61
52	C	Acenaphthene	1.273	1.300	-2.1	123	-0.01	8.89
53		3-Nitroaniline	0.386	0.388	-0.5	117	-0.01	8.82
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	50.000	44.041	11.9	102	-0.02	8.97
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.657	1.712	-3.3	124	-0.02	9.14
56		2,4-Dinitrotoluene	0.407	0.402	1.2	118	-0.02	9.23
57	P	4-Nitrophenol	0.201	0.181	10.0	105	0.00	9.10
58		2,3,4,6-Tetrachlorophenol	0.317	0.315	0.6	117	-0.01	9.42
59		Fluorene	1.298	1.313	-1.2	121	-0.02	9.70
60		4-Chlorophenyl-phenylethe	0.609	0.631	-3.6	125	-0.02	9.73
61		Diethylphthalate	1.356	1.387	-2.3	122	-0.02	9.67
62		4-Nitroaniline	0.368	0.341	7.3	108	-0.02	9.83
63	I	Phenanthrene-d10	1.000	1.000	0.0	115	-0.01	11.31
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	50.000	48.375	3.3	110	-0.02	9.90
		----------	AvgRF	CCRF	%Dev		----------	
65	C	n-Nitrosodiphenylamine	0.603	0.631	-4.6	120	-0.02	9.95
66		1,2-Diphenylhydrazine	0.923	0.959	-3.9	122	-0.02	9.99
67	S	2,4,6-Tribromophenol	0.082	0.088	-7.3	122	-0.02	10.15
68		4-Bromophenyl-phenylether	0.191	0.208	-8.9	124	-0.01	10.56
69		Hexachlorobenzene	0.177	0.186	-5.1	120	-0.01	10.78
70		Atrazine	0.200	0.211	-5.5	117	-0.01	10.98
71	C	Pentachlorophenol	0.120	0.118	1.7	110	0.00	11.11
72		Phenanthrene	1.200	1.239	-3.3	117	-0.02	11.35
73		Anthracene	1.233	1.263	-2.4	117	-0.02	11.43
74		Carbazole	1.036	1.006	2.9	111	0.00	11.76
75		Di-n-butylphthalate	1.384	1.427	-3.1	117	-0.01	12.61
76	C	Fluoranthene	1.050	1.022	2.7	110	-0.01	13.53
77	I	Chrysene-d12	1.000	1.000	0.0	97	-0.01	16.23
78		Benzidine	1.034	0.965	6.7	88	-0.02	13.85
79		Pyrene	1.637	1.827	-11.6	109	-0.01	13.93
80	S	Terphenyl-d14	0.886	1.010	-14.0	111	-0.01	14.34
81		Butylbenzylphthalate	0.814	0.894	-9.8	103	-0.01	15.41
82		3,3'-Dichlorobenzidine	0.429	0.413	3.7	91	-0.01	16.26
83		Benzo[a]anthracene	1.274	1.308	-2.7	98	-0.01	16.21
84		Chrysene	1.193	1.227	-2.8	99	-0.02	16.28
85		bis(2-Ethylhexyl)phthalat	1.087	1.170	-7.6	104	-0.01	16.61

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: SW1070-CC1064
Lab FileID: W020371.D

86	I	Perylene-d12	1.000	1.000	0.0	84	-0.01	18.74
87	C	Di-n-octylphthalate	2.831	3.382	-19.5	99	-0.02	17.72
88		Benzo[b]fluoranthene	1.789	1.889	-5.6	89	-0.02	18.13
89		Benzo[k]fluoranthene	1.713	1.833	-7.0	89	-0.02	18.17
90	C	Benzo[a]pyrene	1.603	1.703	-6.2	89	-0.02	18.65
91		Indeno[1,2,3-cd]pyrene	1.262	1.282	-1.6	86	-0.01	20.34
92		Dibenz[a,h]anthracene	1.202	1.267	-5.4	89	-0.02	20.37
93		Benzo[g,h,i]perylene	1.349	1.383	-2.5	88	-0.02	20.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W020222.D 8270C.M Thu Jun 17 16:33:58 2004 MSBNA01

4.7

ACCUTEST Laboratories

Method Blank Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10673-MB	ST28330.D	1	06/15/04	SKW	06/14/04	OP10673	GST891

The QC reported here applies to the following samples: Method: SW846 8082

F24685-14

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.25	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.40	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.40	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.25	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.25	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.25	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	104%	49-124%
2051-24-3	Decachlorobiphenyl	87%	26-137%

Method Blank Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10676-MB	ST28381.D	1	06/17/04	SKW	06/14/04	OP10676	GST892

The QC reported here applies to the following samples: Method: SW846 8082

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-9, F24685-10, F24685-11, F24685-12, F24685-13

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	17	8.3	ug/kg	
11104-28-2	Aroclor 1221	ND	17	13	ug/kg	
11141-16-5	Aroclor 1232	ND	17	13	ug/kg	
53469-21-9	Aroclor 1242	ND	17	8.3	ug/kg	
12672-29-6	Aroclor 1248	ND	17	8.3	ug/kg	
11097-69-1	Aroclor 1254	ND	17	8.3	ug/kg	
11096-82-5	Aroclor 1260	ND	17	8.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	94%	52-136%
2051-24-3	Decachlorobiphenyl	88%	49-148%

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10673-BS	ST28329.D	1	06/15/04	SKW	06/14/04	OP10673	GST891

The QC reported here applies to the following samples: Method: SW846 8082

F24685-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	4	3.9	98	75-122
11096-82-5	Aroclor 1260	4	3.3	83	71-120

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	97%	49-124%
2051-24-3	Decachlorobiphenyl	93%	26-137%

Blank Spike Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10676-BS	ST28380.D	1	06/17/04	SKW	06/14/04	OP10676	GST892

The QC reported here applies to the following samples: Method: SW846 8082

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-9, F24685-10, F24685-11, F24685-12, F24685-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	133	112	84	75-123
11096-82-5	Aroclor 1260	133	101	76	72-124

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	85%	52-136%
2051-24-3	Decachlorobiphenyl	76%	49-148%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10676-MS	ST28391.D	2	06/17/04	SKW	06/14/04	OP10676	GST892
OP10676-MSD	ST28392.D	2	06/17/04	SKW	06/14/04	OP10676	GST892
F24685-6 [a]	ST28389.D	2	06/17/04	SKW	06/14/04	OP10676	GST892

5.3 C

The QC reported here applies to the following samples: Method: SW846 8082

F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-9, F24685-10, F24685-11, F24685-12, F24685-13

CAS No.	Compound	F24685-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		143	121	85	123	87	2	54-138/22
11096-82-5	Aroclor 1260	265		143	311	32*	334	49	7	46-138/21

CAS No.	Surrogate Recoveries	MS	MSD	F24685-6	Limits
877-09-8	Tetrachloro-m-xylene	82%	78%	79%	52-136%
2051-24-3	Decachlorobiphenyl	87%	88%	83%	49-148%

(a) All hits confirmed by dual column analysis.

ACCUTEST Laboratories

Semivolatile Surrogate Recovery Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Method: SW846 8082 Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F24685-1	ST28384.D	73.0	89.0
F24685-2	ST28385.D	74.0	93.0
F24685-3	ST28386.D	0.0* [b]	0.0* [b]
F24685-4	ST28387.D	71.0	94.0
F24685-5	ST28388.D	70.0	83.0
F24685-6	ST28389.D	79.0	83.0
F24685-7	ST28393.D	0.0* [b]	0.0* [b]
F24685-8	ST28394.D	73.0	87.0
F24685-9	ST28395.D	0.0* [b]	0.0* [b]
F24685-10	ST28396.D	81.0	80.0
F24685-11	ST28397.D	0.0* [b]	0.0* [b]
F24685-12	ST28398.D	81.0	81.0
F24685-13	ST28399.D	81.0	79.0
OP10676-BS	ST28380.D	85.0	76.0
OP10676-MB	ST28381.D	94.0	88.0
OP10676-MS	ST28391.D	82.0	87.0
OP10676-MSD	ST28392.D	78.0	88.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	52-136%
S2 = Decachlorobiphenyl	49-148%

(a) Recovery from GC signal #1
(b) Outside control limits due to dilution.

5.4 C

ACCUTEST Laboratories

GC Surrogate Retention Time Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Check Std:	GST891-CC885	Injection Date:	06/15/04
Lab File ID:	ST28324.D	Injection Time:	08:47
Instrument ID:	GCST	Method:	SW846 8082

	S1 [a] RT	S2 [a] RT
Check Std	3.09	7.84

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP10673-BS	ST28329.D	06/15/04	10:00	3.09	7.84
OP10673-MB	ST28330.D	06/15/04	10:14	3.09	7.83
ZZZZZZ	ST28331.D	06/15/04	10:27	3.09	7.83
ZZZZZZ	ST28332.D	06/15/04	10:41	3.09	7.83
ZZZZZZ	ST28333.D	06/15/04	10:54	3.09	7.83
ZZZZZZ	ST28334.D	06/15/04	11:08	3.09	7.83
ZZZZZZ	ST28335.D	06/15/04	11:21	3.09	7.83
ZZZZZZ	ST28336.D	06/15/04	11:35	3.09	7.83

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Check Std:	GST891-CC885	Injection Date:	06/15/04
Lab File ID:	ST28337.D	Injection Time:	11:48
Instrument ID:	GCST	Method:	SW846 8082

	S1 [a] RT	S2 [a] RT
Check Std	3.09	7.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	ST28338.D	06/15/04	12:01	3.09	7.83
F24683-2	ST28339.D	06/15/04	12:15	3.09	7.83
OP10673-MS	ST28340.D	06/15/04	12:28	3.09	7.83
OP10673-MSD	ST28341.D	06/15/04	12:42	3.09	7.83
ZZZZZZ	ST28342.D	06/15/04	12:55	3.09	7.83
ZZZZZZ	ST28343.D	06/15/04	13:09	3.09	7.84
ZZZZZZ	ST28344.D	06/15/04	13:22	3.09	7.83
ZZZZZZ	ST28345.D	06/15/04	13:36	3.09	7.83
ZZZZZZ	ST28346.D	06/15/04	13:49	3.09	7.84
F24685-14	ST28347.D	06/15/04	14:03	3.09	7.83

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

ACCUTEST Laboratories

GC Surrogate Retention Time Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Check Std:	GST892-CC885	Injection Date:	06/17/04
Lab File ID:	ST28379.D	Injection Time:	11:01
Instrument ID:	GCST	Method:	SW846 8082

	S1 [a] RT	S2 [a] RT
Check Std	3.09	7.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP10676-BS	ST28380.D	06/17/04	11:16	3.09	7.84
OP10676-MB	ST28381.D	06/17/04	11:30	3.09	7.83
ZZZZZZ	ST28382.D	06/17/04	11:43	0.00	0.00
ZZZZZZ	ST28383.D	06/17/04	11:57	3.09	7.83
F24685-1	ST28384.D	06/17/04	12:10	3.09	7.83
F24685-2	ST28385.D	06/17/04	12:24	3.09	7.83
F24685-3	ST28386.D	06/17/04	12:37	0.00	0.00
F24685-4	ST28387.D	06/17/04	12:51	3.09	7.83
F24685-5	ST28388.D	06/17/04	13:04	3.09	7.83
F24685-6	ST28389.D	06/17/04	13:18	3.09	7.83

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

ACCUTEST Laboratories

GC Surrogate Retention Time Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Check Std:	GST892-CC885	Injection Date:	06/17/04
Lab File ID:	ST28390.D	Injection Time:	13:31
Instrument ID:	GCST	Method:	SW846 8082

	S1 [a] RT	S2 [a] RT
Check Std	3.09	7.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP10676-MS	ST28391.D	06/17/04	13:48	3.09	7.84
OP10676-MSD	ST28392.D	06/17/04	14:01	3.09	7.83
F24685-7	ST28393.D	06/17/04	14:15	0.00	0.00
F24685-8	ST28394.D	06/17/04	14:28	3.09	7.83
F24685-9	ST28395.D	06/17/04	14:42	0.00	0.00
F24685-10	ST28396.D	06/17/04	14:55	3.09	7.83
F24685-11	ST28397.D	06/17/04	15:09	0.00	0.00
F24685-12	ST28398.D	06/17/04	15:23	3.09	7.83
F24685-13	ST28399.D	06/17/04	15:36	3.09	7.83

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

ACCUTEST Laboratories

Initial Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST885-ICC885
Lab FileID: ST28136.D

Response Factor Report ECD 3

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Initial Calibration

Calibration Files
50 =ST28134.D 200 =ST28135.D 400 =ST28136.D 600 =ST28137.D
800 =ST28138.D 1000=ST28139.D 1248=ST28140.D 1242=ST28141.D
1232=ST28142.D 1254=ST28143.D = =

Compound	50	200	400	600	800	1000	1248	1242	1232	1254	Avg	%RSD
1) Tetrachloro-m-xylene	4.856	5.535	5.739	5.765	5.953	5.843					5.615 E3	7.
2) AR1016-A		1.276	1.181	1.169	1.147	1.159					1.186 E2	4.
3) AR1016-B	2.527	2.637	2.390	2.471	2.419	2.419					2.477 E2	3.
4) AR1016-C	3.211	3.597	3.483	3.706	3.779	3.747					3.587 E2	5.
5) AR1016-D	1.699	1.845	1.742	1.823	1.783	1.755					1.774 E2	3.
6) AR1016-E	2.380	2.776	2.616	2.778	2.766	2.777					2.682 E2	6.
7) AR1016-F	1.740	2.038	1.841	1.987	1.940	1.939					1.914 E2	5.
8) AR1221-A										4.226	4.226 E1	0.
9) AR1221-B										1.734	1.734 E1	0.
10) AR1221-C										6.516	6.516 E1	0.
11) AR1221-D										4.487	4.487 E1	0.
12) AR1221-E										1.432	1.432 E2	0.
13) AR1232-A									1.278		1.278 E2	0.
14) AR1232-B									1.250		1.250 E2	0.
15) AR1232-C									1.527		1.527 E2	0.
16) AR1232-D									7.464		7.464 E1	0.
17) AR1232-E									8.261		8.261 E1	0.
18) AR1232-F									5.210		5.210 E1	0.
19) AR1242-A								9.419			9.419 E1	0.
20) AR1242-B								2.058			2.058 E2	0.
21) AR1242-C								2.646			2.646 E2	0.
22) AR1242-D								2.158			2.158 E2	0.
23) AR1242-E												

Initial Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST885-ICC885
Lab FileID: ST28136.D

							1.625			1.625 E2	0.
24)	AR1242-F						1.067			1.067 E2	0.
25)	AR1248-A					1.040				1.040 E2	0.
26)	AR1248-B					1.629				1.629 E2	
27)	AR1248-C					2.538				2.538 E2	
28)	AR1248-D					2.533				2.533 E2	0.
29)	AR1248-E					1.913				1.913 E2	0.
30)	AR1248-F					1.398				1.398 E2	0.
31)	AR1254-A								1.512	1.512 E2	0.
32)	AR1254-B								2.949	2.949 E2	0.
33)	AR1254-C								2.105	2.105 E2	0.
34)	AR1254-D								3.897	3.897 E2	0.
35)	AR1254-E								1.964	1.964 E2	0.
36)	AR1254-F								2.512	2.512 E2	0.
37)	AR1260-A	3.816	3.917	3.721	3.906	4.003	4.077			3.907 E2	3.
38)	AR1260-B	3.639	3.692	3.556	3.738	3.801	3.914			3.723 E2	3.
39)	AR1260-C	2.578	2.763	2.599	2.745	2.855	2.889			2.738 E2	4.
40)	AR1260-D	5.108	5.604	5.323	5.941	6.053	6.239			5.711 E2	7.
41)	AR1260-E	2.299	2.619	2.507	2.686	2.732	2.825			2.611 E2	7.
42)	AR1260-F	1.396	1.597	1.484	1.570	1.520	1.593			1.527 E2	5.
43)	AR1268-A							1.661		1.661 E2	0.
44)	AR1268-B							2.374		2.374 E2	0.
45)	AR1268-C							7.483		7.483 E2	0.
46)	AR1268-D							5.987		5.987 E2	0.
47)	AR1268-E							5.837		5.837 E2	0.
48)	AR1268-F							1.393		1.393 E3	0.
49)	Decachlorobiphenyl	3.479	3.624	3.429	3.627	3.568	3.597			3.554 E3	2.

Signal #2

1)	Tetrachloro-m-xylene	2.046	2.127	2.128	2.138	2.157	2.122			2.120 E4	1.
2)	AR1016-A	4.876	4.837	4.484	4.494	4.445	4.345			4.580 E2	4.

ACCUTEST Laboratories

Initial Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST885-ICC885
Lab FileID: ST28136.D

3)	AR1016-B	1.088	1.030	0.964	0.967	0.963	0.943					0.992 E3	5.
4)	AR1016-C	1.829	1.884	1.801	1.882	1.880	1.946					1.870 E3	2.
5)	AR1016-D	7.303	7.674	7.064	7.576	7.502	7.509					7.438 E2	2.
6)	AR1016-E	7.179	7.674	7.092	7.570	7.604	7.533					7.442 E2	
7)	AR1016-F	7.737	8.200	7.687	7.909	7.920	7.996					7.908 E2	2.
8)	AR1221-A										1.442	1.442 E2	0.
9)	AR1221-B										5.377	5.377 E1	0.
10)	AR1221-C										2.474	2.474 E2	0.
11)	AR1221-D										1.745	1.745 E2	0.
12)	AR1221-E										5.872	5.872 E2	0.
13)	AR1232-A									5.024		5.024 E2	0.
14)	AR1232-B									4.841		4.841 E2	0.
15)	AR1232-C									8.065		8.065 E2	0.
16)	AR1232-D									3.454		3.454 E2	0.
17)	AR1232-E									3.536		3.536 E2	0.
18)	AR1232-F									2.432		2.432 E2	0.
19)	AR1242-A								3.653			3.653 E2	0.
20)	AR1242-B								7.853			7.853 E2	0.
21)	AR1242-C								1.387			1.387 E3	0.
22)	AR1242-D								5.864			5.864 E2	0.
23)	AR1242-E								6.592			6.592 E2	0.
24)	AR1242-F								4.998			4.998 E2	0.
25)	AR1248-A							4.073				4.073 E2	0.
26)	AR1248-B							9.007				9.007 E2	0.
27)	AR1248-C							8.716				8.716 E2	0.
28)	AR1248-D							1.078				1.078 E3	0.
29)	AR1248-E							1.329				1.329 E3	0.
30)	AR1248-F							6.125				6.125 E2	0.
31)	AR1254-A										5.566	5.566 E2	0.
32)	AR1254-B										1.324	1.324 E3	0.

Initial Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST885-ICC885
Lab FileID: ST28136.D

33)	AR1254-C							1.257	1.257 E3	0.
34)	AR1254-D							1.793	1.793 E3	0.
35)	AR1254-E							8.967	8.967 E2	0.
36)	AR1254-F							1.350	1.350 E3	
37)	AR1260-A	1.541	1.471	1.385	1.454	1.490	1.461		1.467 E3	3.
38)	AR1260-B	1.549	1.570	1.496	1.573	1.591	1.605		1.564 E3	2.
39)	AR1260-C	1.091	1.230	1.184	1.201	1.234	1.248		1.198 E3	4.
40)	AR1260-D	2.144	2.332	2.265	2.359	2.463	2.533		2.349 E3	5.
41)	AR1260-E	1.025	1.105	1.047	1.102	1.127	1.142		1.091 E3	4.
42)	AR1260-F	4.462	4.950	4.734	4.831	4.914	4.896		4.798 E2	3.
43)	AR1268-A							7.312	7.312 E2	0.
44)	AR1268-B							9.695	9.695 E2	0.
45)	AR1268-C							3.213	3.213 E3	0.
46)	AR1268-D							2.807	2.807 E3	0.
47)	AR1268-E							2.473	2.473 E3	0.
48)	AR1268-F							5.779	5.779 E3	0.
49)	Decachlorobiphenyl	1.432	1.568	1.486	1.549	1.585	1.586		1.534 E4	4.

(#) = Out of Range ### Number of calibration levels exceeded format ###

8082.M Thu Jun 03 14:13:08 2004 ECD3

Initial Calibration Verification

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST885-ICV885
Lab FileID: ST28144.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0603PCB\ST28144.D\ECD1B.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\0603PCB\ST28144.D\ECD2A.CH
Acq On : 3 Jun 0204 11:21 am Operator: stephw
Sample : ICV885-400 Inst : ECD 3
Misc : op10566,gst885,30.0,,,10,1,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene		----------NA----------				
2	L1	AR1016-A	400.000	391.621	2.1	98	0.00	3.47- 3.67
3	L1	AR1016-B	400.000	407.046	-1.8	105	0.00	3.76- 3.96
4	L1	AR1016-C	400.000	403.616	-0.9	104	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	394.770	1.3	101	0.00	4.13- 4.33
6	L1	AR1016-E	400.000	405.733	-1.4	104	0.00	4.22- 4.42
7	L1	AR1016-F	400.000	393.667	1.6	102	0.00	4.44- 4.64
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A	400.000	395.810	1.0	104	0.00	5.13- 5.33
38	L7	AR1260-B	400.000	389.566	2.6	102	0.00	5.17- 5.37
39	L7	AR1260-C	400.000	339.473	15.1#	89	0.00	5.79- 5.99
40	L7	AR1260-D	400.000	339.272	15.2#	91	0.00	5.89- 6.09
41	L7	AR1260-E	400.000	361.241	9.7	94	0.00	6.33- 6.53

ACCUTEST Laboratories

Initial Calibration Verification

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST885-ICV885
Lab FileID: ST28144.D

42	L7	AR1260-F	400.000	331.814	17.0#	85	0.00	6.82- 7.02
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl		----------NA----------				

***** Signal #2 *****

1	S	Tetrachloro-m-xylene		----------NA----------				
2	L1	AR1016-A	400.000	372.985	6.8	95	0.00	3.42- 3.62
3	L1	AR1016-B	400.000	397.535	0.6	102	0.00	3.70- 3.90
4	L1	AR1016-C	400.000	398.322	0.4	103	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	403.002	-0.8	106	0.00	4.11- 4.31
6	L1	AR1016-E	400.000	401.924	-0.5	105	0.00	4.18- 4.38
7	L1	AR1016-F	400.000	391.793	2.1	101	0.00	4.39- 4.59
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A	400.000	400.394	-0.1	106	0.00	5.06- 5.26
38	L7	AR1260-B	400.000	395.160	1.2	103	0.00	5.20- 5.40
39	L7	AR1260-C	400.000	341.758	14.6	86	0.00	5.68- 5.88
40	L7	AR1260-D	400.000	336.388	15.9#	87	0.00	5.90- 6.10
41	L7	AR1260-E	400.000	375.115	6.2	98	0.00	6.21- 6.41
42	L7	AR1260-F	400.000	342.619	14.3	87	0.00	6.81- 7.01
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl		----------NA----------				

Initial Calibration Verification

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST885-ICV885
Lab FileID: ST28144.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28136.D 8082.M Thu Jun 03 14:27:23 2004 ECD3

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28324.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0615PCB\ST28324.D\ECD1B.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\0615PCB\ST28324.D\ECD2A.CH
Acq On : 15 Jun 2004 8:47 am Operator: stephw
Sample : CC885-400 Inst : ECD 3
Misc : op10662,gst891,1000,,,10,1,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	40.000	37.933	5.2	93	-0.02	2.91- 3.31
2	L1	AR1016-A	400.000	367.103	8.2	92	0.00	3.47- 3.67
3	L1	AR1016-B	400.000	385.407	3.6	100	0.00	3.76- 3.96
4	L1	AR1016-C	400.000	363.709	9.1	94	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	342.941	14.3	87	0.00	4.13- 4.33
6	L1	AR1016-E	400.000	365.498	8.6	94	0.00	4.22- 4.42
7	L1	AR1016-F	400.000	377.493	5.6	98	0.00	4.44- 4.64
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A	400.000	360.079	10.0	95	0.00	5.13- 5.33
38	L7	AR1260-B	400.000	342.634	14.3	90	0.00	5.17- 5.37
39	L7	AR1260-C	400.000	363.591	9.1	96	0.00	5.79- 5.99
40	L7	AR1260-D	400.000	343.243	14.2	92	0.00	5.89- 6.09
41	L7	AR1260-E	400.000	349.547	12.6	91	0.00	6.33- 6.53

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28324.D

42	L7	AR1260-F	400.000	350.421	12.4	90	0.00	6.82- 7.02
43	L8	AR1268-A	----------NA----------					
44	L8	AR1268-B	----------NA----------					
45	L8	AR1268-C	----------NA----------					
46	L8	AR1268-D	----------NA----------					
47	L8	AR1268-E	----------NA----------					
48	L8	AR1268-F	----------NA----------					
49	S	Decachlorobiphenyl	40.000	34.198	14.5	89	0.00	7.64- 8.04

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	40.000	38.950	2.6	97	-0.02	2.91- 3.31
2	L1	AR1016-A	400.000	383.780	4.1	98	0.00	3.42- 3.62
3	L1	AR1016-B	400.000	389.291	2.7	100	0.00	3.70- 3.90
4	L1	AR1016-C	400.000	374.909	6.3	97	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	388.543	2.9	102	0.00	4.11- 4.31
6	L1	AR1016-E	400.000	393.139	1.7	103	0.00	4.18- 4.38
7	L1	AR1016-F	400.000	406.185	-1.5	104	0.00	4.39- 4.59
8	L2	AR1221-A	----------NA----------					
9	L2	AR1221-B	----------NA----------					
10	L2	AR1221-C	----------NA----------					
11	L2	AR1221-D	----------NA----------					
12	L2	AR1221-E	----------NA----------					
13	L3	AR1232-A	----------NA----------					
14	L3	AR1232-B	----------NA----------					
15	L3	AR1232-C	----------NA----------					
16	L3	AR1232-D	----------NA----------					
17	L3	AR1232-E	----------NA----------					
18	L3	AR1232-F	----------NA----------					
19	L4	AR1242-A	----------NA----------					
20	L4	AR1242-B	----------NA----------					
21	L4	AR1242-C	----------NA----------					
22	L4	AR1242-D	----------NA----------					
23	L4	AR1242-E	----------NA----------					
24	L4	AR1242-F	----------NA----------					
25	L5	AR1248-A	----------NA----------					
26	L5	AR1248-B	----------NA----------					
27	L5	AR1248-C	----------NA----------					
28	L5	AR1248-D	----------NA----------					
29	L5	AR1248-E	----------NA----------					
30	L5	AR1248-F	----------NA----------					
31	L6	AR1254-A	----------NA----------					
32	L6	AR1254-B	----------NA----------					
33	L6	AR1254-C	----------NA----------					
34	L6	AR1254-D	----------NA----------					
35	L6	AR1254-E	----------NA----------					
36	L6	AR1254-F	----------NA----------					
37	L7	AR1260-A	400.000	400.466	-0.1	106	0.00	5.06- 5.26
38	L7	AR1260-B	400.000	391.518	2.1	102	0.00	5.20- 5.40
39	L7	AR1260-C	400.000	403.714	-0.9	102	0.00	5.68- 5.88
40	L7	AR1260-D	400.000	379.769	5.1	98	0.00	5.90- 6.10
41	L7	AR1260-E	400.000	408.820	-2.2	107	0.00	6.21- 6.41
42	L7	AR1260-F	400.000	397.134	0.7	101	0.00	6.81- 7.01
43	L8	AR1268-A	----------NA----------					
44	L8	AR1268-B	----------NA----------					
45	L8	AR1268-C	----------NA----------					
46	L8	AR1268-D	----------NA----------					
47	L8	AR1268-E	----------NA----------					
48	L8	AR1268-F	----------NA----------					
49	S	Decachlorobiphenyl	40.000	38.438	3.9	99	-0.01	7.18- 7.58

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28324.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28136.D 8082.M Thu Jun 17 10:36:44 2004 ECD3

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28325.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0615PCB\ST28325.D\ECD1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\0615PCB\ST28325.D\ECD2A.CH
Acq On : 15 Jun 2004 9:04 am Operator: stephw
Sample : CC885-1248 Inst : ECD 3
Misc : op10662,gst891,1000,,,10,1,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	-1.000	18.422	0.0	100	-0.02	2.91- 3.31
2	L1	AR1016-A		----------NA----------				
3	L1	AR1016-B		----------NA----------				
4	L1	AR1016-C		----------NA----------				
5	L1	AR1016-D		----------NA----------				
6	L1	AR1016-E		----------NA----------				
7	L1	AR1016-F		----------NA----------				
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A	200.000	195.430	2.3	98	0.00	3.76- 3.96
26	L5	AR1248-B	200.000	179.121	10.4	90	0.00	4.02- 4.22
27	L5	AR1248-C	200.000	192.262	3.9	96	0.00	4.22- 4.42
28	L5	AR1248-D	200.000	167.282	16.4#	84	0.00	4.58- 4.78
29	L5	AR1248-E	200.000	148.581	25.7#	74	0.00	4.80- 5.00
30	L5	AR1248-F	200.000	153.426	23.3#	77	0.00	5.02- 5.22
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A		----------NA----------				
38	L7	AR1260-B		----------NA----------				
39	L7	AR1260-C		----------NA----------				
40	L7	AR1260-D		----------NA----------				
41	L7	AR1260-E		----------NA----------				

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28325.D

42	L7	AR1260-F		----------NA----------				
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl	-1.000	16.643	0.0	88	0.00	7.64- 8.04

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	-1.000	19.517	0.0	106	0.00	2.91- 3.31
2	L1	AR1016-A		----------NA----------				
3	L1	AR1016-B		----------NA----------				
4	L1	AR1016-C		----------NA----------				
5	L1	AR1016-D		----------NA----------				
6	L1	AR1016-E		----------NA----------				
7	L1	AR1016-F		----------NA----------				
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A	200.000	216.855	-8.4	108	0.00	3.69- 3.89
26	L5	AR1248-B	200.000	201.168	-0.6	101	0.00	4.01- 4.21
27	L5	AR1248-C	200.000	209.935	-5.0	105	0.00	4.22- 4.42
28	L5	AR1248-D	200.000	211.601	-5.8	106	0.00	4.38- 4.58
29	L5	AR1248-E	200.000	187.393	6.3	94	0.00	4.62- 4.82
30	L5	AR1248-F	200.000	201.690	-0.8	101	0.00	4.98- 5.18
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A		----------NA----------				
38	L7	AR1260-B		----------NA----------				
39	L7	AR1260-C		----------NA----------				
40	L7	AR1260-D		----------NA----------				
41	L7	AR1260-E		----------NA----------				
42	L7	AR1260-F		----------NA----------				
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl	-1.000	18.429	0.0	97	0.00	7.18- 7.58

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28325.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28140.D 8082.M Thu Jun 17 10:37:02 2004 ECD3

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28326.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0615PCB\ST28326.D\ECD1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\0615PCB\ST28326.D\ECD2A.CH
Acq On : 15 Jun 2004 9:17 am Operator: stephw
Sample : CC885-1242 Inst : ECD 3
Misc : op10662,gst891,1000,,,10,1,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	-1.000	18.179	0.0	100	-0.02	2.91- 3.31
2	L1	AR1016-A		----------NA----------				
3	L1	AR1016-B		----------NA----------				
4	L1	AR1016-C		----------NA----------				
5	L1	AR1016-D		----------NA----------				
6	L1	AR1016-E		----------NA----------				
7	L1	AR1016-F		----------NA----------				
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A	200.000	202.783	-1.4	101	0.00	3.46- 3.66
20	L4	AR1242-B	200.000	196.105	1.9	98	0.00	3.76- 3.96
21	L4	AR1242-C	200.000	184.417	7.8	92	0.00	4.02- 4.22
22	L4	AR1242-D	200.000	187.731	6.1	94	0.00	4.22- 4.42
23	L4	AR1242-E	200.000	180.304	9.8	90	0.00	4.43- 4.63
24	L4	AR1242-F	200.000	147.048	26.5#	74	0.00	4.80- 5.00
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A		----------NA----------				
38	L7	AR1260-B		----------NA----------				
39	L7	AR1260-C		----------NA----------				
40	L7	AR1260-D		----------NA----------				
41	L7	AR1260-E		----------NA----------				

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28326.D

42	L7	AR1260-F		----------NA----------				
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl	-1.000	17.656	0.0	91	0.00	7.64- 8.04
*****		Signal #2 *****						
1	S	Tetrachloro-m-xylene	-1.000	19.238	0.0	107	-0.01	2.91- 3.31
2	L1	AR1016-A		----------NA----------				
3	L1	AR1016-B		----------NA----------				
4	L1	AR1016-C		----------NA----------				
5	L1	AR1016-D		----------NA----------				
6	L1	AR1016-E		----------NA----------				
7	L1	AR1016-F		----------NA----------				
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A	200.000	205.558	-2.8	103	0.00	3.42- 3.62
20	L4	AR1242-B	200.000	213.487	-6.7	107	0.00	3.69- 3.89
21	L4	AR1242-C	200.000	196.865	1.6	98	0.00	4.01- 4.21
22	L4	AR1242-D	200.000	197.130	1.4	99	0.00	4.10- 4.30
23	L4	AR1242-E	200.000	206.514	-3.3	103	0.00	4.38- 4.58
24	L4	AR1242-F	200.000	199.680	0.2	100	0.00	4.77- 4.97
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A		----------NA----------				
38	L7	AR1260-B		----------NA----------				
39	L7	AR1260-C		----------NA----------				
40	L7	AR1260-D		----------NA----------				
41	L7	AR1260-E		----------NA----------				
42	L7	AR1260-F		----------NA----------				
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl	-1.000	19.167	0.0	95	-0.01	7.18- 7.58

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28326.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28141.D 8082.M Thu Jun 17 10:37:16 2004 ECD3

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28327.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0615PCB\ST28327.D\ECD1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\0615PCB\ST28327.D\ECD2A.CH
Acq On : 15 Jun 2004 9:31 am Operator: stephw
Sample : CC885-1232/1268 Inst : ECD 3
Misc : op10662,gst891,1000,,,10,1,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene		----------NA----------				
2	L1	AR1016-A		----------NA----------				
3	L1	AR1016-B		----------NA----------				
4	L1	AR1016-C		----------NA----------				
5	L1	AR1016-D		----------NA----------				
6	L1	AR1016-E		----------NA----------				
7	L1	AR1016-F		----------NA----------				
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A	200.000	182.427	8.8	91	0.00	3.46- 3.66
14	L3	AR1232-B	200.000	181.628	9.2	91	0.00	3.76- 3.96
15	L3	AR1232-C	200.000	177.708	11.1	89	0.00	4.02- 4.22
16	L3	AR1232-D	200.000	185.103	7.4	93	0.00	4.13- 4.33
17	L3	AR1232-E	200.000	187.273	6.4	94	0.00	4.43- 4.63
18	L3	AR1232-F	200.000	152.424	23.8#	76	0.00	4.79- 4.99
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A		----------NA----------				
38	L7	AR1260-B		----------NA----------				
39	L7	AR1260-C		----------NA----------				
40	L7	AR1260-D		----------NA----------				
41	L7	AR1260-E		----------NA----------				

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28327.D

42	L7	AR1260-F			----------NA----------			
43	L8	AR1268-A	200.000	180.584	9.7	90	0.00	5.50- 5.70
44	L8	AR1268-B	200.000	183.541	8.2	92	0.00	5.76- 5.96
45	L8	AR1268-C	200.000	176.227	11.9	88	0.00	6.24- 6.44
46	L8	AR1268-D	200.000	172.142	13.9	86	0.00	6.29- 6.49
47	L8	AR1268-E	200.000	179.205	10.4	90	0.00	6.61- 6.81
48	L8	AR1268-F	200.000	163.855	18.1#	82	0.00	7.27- 7.47
49	S	Decachlorobiphenyl			----------NA----------			

***** Signal #2 *****

1	S	Tetrachloro-m-xylene			----------NA----------			
2	L1	AR1016-A			----------NA----------			
3	L1	AR1016-B			----------NA----------			
4	L1	AR1016-C			----------NA----------			
5	L1	AR1016-D			----------NA----------			
6	L1	AR1016-E			----------NA----------			
7	L1	AR1016-F			----------NA----------			
8	L2	AR1221-A			----------NA----------			
9	L2	AR1221-B			----------NA----------			
10	L2	AR1221-C			----------NA----------			
11	L2	AR1221-D			----------NA----------			
12	L2	AR1221-E			----------NA----------			
13	L3	AR1232-A	200.000	195.801	2.1	98	0.00	3.42- 3.62
14	L3	AR1232-B	200.000	197.993	1.0	99	0.00	3.69- 3.89
15	L3	AR1232-C	200.000	189.432	5.3	95	0.00	4.01- 4.21
16	L3	AR1232-D	200.000	193.709	3.1	97	0.00	4.10- 4.30
17	L3	AR1232-E	200.000	201.594	-0.8	101	0.00	4.38- 4.58
18	L3	AR1232-F	200.000	181.885	9.1	91	0.00	4.77- 4.97
19	L4	AR1242-A			----------NA----------			
20	L4	AR1242-B			----------NA----------			
21	L4	AR1242-C			----------NA----------			
22	L4	AR1242-D			----------NA----------			
23	L4	AR1242-E			----------NA----------			
24	L4	AR1242-F			----------NA----------			
25	L5	AR1248-A			----------NA----------			
26	L5	AR1248-B			----------NA----------			
27	L5	AR1248-C			----------NA----------			
28	L5	AR1248-D			----------NA----------			
29	L5	AR1248-E			----------NA----------			
30	L5	AR1248-F			----------NA----------			
31	L6	AR1254-A			----------NA----------			
32	L6	AR1254-B			----------NA----------			
33	L6	AR1254-C			----------NA----------			
34	L6	AR1254-D			----------NA----------			
35	L6	AR1254-E			----------NA----------			
36	L6	AR1254-F			----------NA----------			
37	L7	AR1260-A			----------NA----------			
38	L7	AR1260-B			----------NA----------			
39	L7	AR1260-C			----------NA----------			
40	L7	AR1260-D			----------NA----------			
41	L7	AR1260-E			----------NA----------			
42	L7	AR1260-F			----------NA----------			
43	L8	AR1268-A	200.000	194.999	2.5	97	0.00	5.45- 5.65
44	L8	AR1268-B	200.000	200.281	-0.1	100	0.00	5.61- 5.81
45	L8	AR1268-C	200.000	192.557	3.7	96	0.00	6.15- 6.35
46	L8	AR1268-D	200.000	200.704	-0.4	100	0.00	6.19- 6.39
47	L8	AR1268-E	200.000	204.150	-2.1	102	0.00	6.34- 6.54
48	L8	AR1268-F	200.000	185.248	7.4	93	0.00	7.10- 7.30
49	S	Decachlorobiphenyl			----------NA----------			

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28327.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28142.D 8082.M Thu Jun 17 10:37:29 2004 ECD3

C 5.6

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28328.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0615PCB\ST28328.D\ECD1B.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\0615PCB\ST28328.D\ECD2A.CH
Acq On : 15 Jun 2004 9:44 am Operator: stephw
Sample : CC885-1221/1254 Inst : ECD 3
Misc : op10662,gst891,1000,,,10,1,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	-1.000	17.479	0.0	102	-0.02	2.91- 3.31
2	L1	AR1016-A		----------NA----------				
3	L1	AR1016-B		----------NA----------				
4	L1	AR1016-C		----------NA----------				
5	L1	AR1016-D		----------NA----------				
6	L1	AR1016-E		----------NA----------				
7	L1	AR1016-F		----------NA----------				
8	L2	AR1221-A	200.000	203.557	-1.8	102	0.00	2.77- 2.97
9	L2	AR1221-B	200.000	185.072	7.5	93	0.00	3.25- 3.45
10	L2	AR1221-C	200.000	206.124	-3.1	103	0.00	3.30- 3.50
11	L2	AR1221-D	200.000	201.884	-0.9	101	0.00	3.41- 3.61
12	L2	AR1221-E	200.000	192.816	3.6	96	0.00	3.46- 3.66
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A	200.000	190.290	4.9	95	0.00	4.22- 4.42
32	L6	AR1254-B	200.000	193.110	3.4	97	0.00	4.70- 4.90
33	L6	AR1254-C	200.000	170.872	14.6	85	0.00	4.95- 5.15
34	L6	AR1254-D	200.000	172.550	13.7	86	0.00	5.02- 5.22
35	L6	AR1254-E	200.000	178.079	11.0	89	0.00	5.17- 5.37
36	L6	AR1254-F	200.000	165.771	17.1#	83	0.00	5.48- 5.68
37	L7	AR1260-A		----------NA----------				
38	L7	AR1260-B		----------NA----------				
39	L7	AR1260-C		----------NA----------				
40	L7	AR1260-D		----------NA----------				
41	L7	AR1260-E		----------NA----------				

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28328.D

42	L7	AR1260-F		----------NA----------				
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl	-1.000	17.909	0.0	97	0.00	7.64- 8.04
*****		Signal #2 *****						
1	S	Tetrachloro-m-xylene	-1.000	18.312	0.0	105	-0.02	2.91- 3.31
2	L1	AR1016-A		----------NA----------				
3	L1	AR1016-B		----------NA----------				
4	L1	AR1016-C		----------NA----------				
5	L1	AR1016-D		----------NA----------				
6	L1	AR1016-E		----------NA----------				
7	L1	AR1016-F		----------NA----------				
8	L2	AR1221-A	200.000	200.588	-0.3	100	0.00	2.69- 2.89
9	L2	AR1221-B	200.000	225.246	-12.6	113	0.00	3.14- 3.34
10	L2	AR1221-C	200.000	199.144	0.4	100	0.00	3.26- 3.46
11	L2	AR1221-D	200.000	202.774	-1.4	101	0.00	3.38- 3.58
12	L2	AR1221-E	200.000	201.216	-0.6	101	0.00	3.42- 3.62
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A	200.000	205.030	-2.5	103	0.00	4.22- 4.42
32	L6	AR1254-B	200.000	196.597	1.7	98	0.00	4.61- 4.81
33	L6	AR1254-C	200.000	204.015	-2.0	102	0.00	4.71- 4.91
34	L6	AR1254-D	200.000	199.007	0.5	100	0.00	4.98- 5.18
35	L6	AR1254-E	200.000	187.531	6.2	94	0.00	5.13- 5.33
36	L6	AR1254-F	200.000	201.608	-0.8	101	0.00	5.43- 5.63
37	L7	AR1260-A		----------NA----------				
38	L7	AR1260-B		----------NA----------				
39	L7	AR1260-C		----------NA----------				
40	L7	AR1260-D		----------NA----------				
41	L7	AR1260-E		----------NA----------				
42	L7	AR1260-F		----------NA----------				
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl	-1.000	19.744	0.0	103	-0.01	7.18- 7.58

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28328.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28143.D 8082.M Thu Jun 17 10:37:43 2004 ECD3

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28337.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0615PCB\ST28337.D\ECD1B.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA\0615PCB\ST28337.D\ECD2A.CH
Acq On : 15 Jun 2004 11:48 am Operator: stephw
Sample : CC885-400 Inst : ECD 3
Misc : op10673,gst891,950,,,10,1,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	40.000	37.690	5.8	92	-0.02	2.91- 3.31
2	L1	AR1016-A	400.000	367.185	8.2	92	0.00	3.47- 3.67
3	L1	AR1016-B	400.000	379.443	5.1	98	0.00	3.76- 3.96
4	L1	AR1016-C	400.000	358.264	10.4	92	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	340.072	15.0	87	0.00	4.13- 4.33
6	L1	AR1016-E	400.000	360.687	9.8	92	0.00	4.22- 4.42
7	L1	AR1016-F	400.000	371.864	7.0	97	0.00	4.44- 4.64
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A	400.000	357.830	10.5	94	0.00	5.13- 5.33
38	L7	AR1260-B	400.000	343.203	14.2	90	0.00	5.17- 5.37
39	L7	AR1260-C	400.000	369.649	7.6	97	0.00	5.79- 5.99
40	L7	AR1260-D	400.000	334.353	16.4#	90	0.00	5.89- 6.09
41	L7	AR1260-E	400.000	344.084	14.0	90	0.00	6.33- 6.53

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28337.D

42	L7	AR1260-F	400.000	358.895	10.3	92	0.00	6.82- 7.02
43	L8	AR1268-A	----------NA----------					
44	L8	AR1268-B	----------NA----------					
45	L8	AR1268-C	----------NA----------					
46	L8	AR1268-D	----------NA----------					
47	L8	AR1268-E	----------NA----------					
48	L8	AR1268-F	----------NA----------					
49	S	Decachlorobiphenyl	40.000	36.173	9.6	94	0.00	7.64- 8.04

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	40.000	38.101	4.7	95	-0.02	2.91- 3.31
2	L1	AR1016-A	400.000	378.818	5.3	97	0.00	3.42- 3.62
3	L1	AR1016-B	400.000	387.337	3.2	100	0.00	3.70- 3.90
4	L1	AR1016-C	400.000	363.196	9.2	94	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	382.158	4.5	101	0.00	4.11- 4.31
6	L1	AR1016-E	400.000	382.079	4.5	100	0.00	4.18- 4.38
7	L1	AR1016-F	400.000	405.175	-1.3	104	0.00	4.39- 4.59
8	L2	AR1221-A	----------NA----------					
9	L2	AR1221-B	----------NA----------					
10	L2	AR1221-C	----------NA----------					
11	L2	AR1221-D	----------NA----------					
12	L2	AR1221-E	----------NA----------					
13	L3	AR1232-A	----------NA----------					
14	L3	AR1232-B	----------NA----------					
15	L3	AR1232-C	----------NA----------					
16	L3	AR1232-D	----------NA----------					
17	L3	AR1232-E	----------NA----------					
18	L3	AR1232-F	----------NA----------					
19	L4	AR1242-A	----------NA----------					
20	L4	AR1242-B	----------NA----------					
21	L4	AR1242-C	----------NA----------					
22	L4	AR1242-D	----------NA----------					
23	L4	AR1242-E	----------NA----------					
24	L4	AR1242-F	----------NA----------					
25	L5	AR1248-A	----------NA----------					
26	L5	AR1248-B	----------NA----------					
27	L5	AR1248-C	----------NA----------					
28	L5	AR1248-D	----------NA----------					
29	L5	AR1248-E	----------NA----------					
30	L5	AR1248-F	----------NA----------					
31	L6	AR1254-A	----------NA----------					
32	L6	AR1254-B	----------NA----------					
33	L6	AR1254-C	----------NA----------					
34	L6	AR1254-D	----------NA----------					
35	L6	AR1254-E	----------NA----------					
36	L6	AR1254-F	----------NA----------					
37	L7	AR1260-A	400.000	396.001	1.0	105	0.00	5.06- 5.26
38	L7	AR1260-B	400.000	386.512	3.4	101	0.00	5.20- 5.40
39	L7	AR1260-C	400.000	409.074	-2.3	103	0.00	5.68- 5.88
40	L7	AR1260-D	400.000	377.377	5.7	98	0.00	5.90- 6.10
41	L7	AR1260-E	400.000	398.686	0.3	104	0.00	6.21- 6.41
42	L7	AR1260-F	400.000	383.658	4.1	97	0.00	6.81- 7.01
43	L8	AR1268-A	----------NA----------					
44	L8	AR1268-B	----------NA----------					
45	L8	AR1268-C	----------NA----------					
46	L8	AR1268-D	----------NA----------					
47	L8	AR1268-E	----------NA----------					
48	L8	AR1268-F	----------NA----------					
49	S	Decachlorobiphenyl	40.000	39.518	1.2	102	-0.01	7.18- 7.58

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28337.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28136.D 8082.M Thu Jun 17 10:36:45 2004 ECD3

5.6 G

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28348.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0615PCB\ST28348.D\ECD1B.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA\0615PCB\ST28348.D\ECD2A.CH
Acq On : 15 Jun 2004 2:16 pm Operator: stephw
Sample : CC885-200 Inst : ECD 3
Misc : op10673,gst891,1000,,,10,1,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	20.000	19.687	1.6	100	-0.02	2.91- 3.31
2	L1	AR1016-A	200.000	205.807	-2.9	96	0.00	3.47- 3.67
3	L1	AR1016-B	200.000	208.008	-4.0	98	0.00	3.76- 3.96
4	L1	AR1016-C	200.000	180.639	9.7	90	0.00	4.02- 4.22
5	L1	AR1016-D	200.000	191.470	4.3	92	0.00	4.13- 4.33
6	L1	AR1016-E	200.000	194.378	2.8	94	0.00	4.22- 4.42
7	L1	AR1016-F	200.000	196.023	2.0	92	0.00	4.44- 4.64
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A	200.000	173.117	13.4	86	0.00	5.13- 5.33
38	L7	AR1260-B	200.000	159.788	20.1#	81	0.00	5.17- 5.37
39	L7	AR1260-C	200.000	165.810	17.1#	82	0.00	5.79- 5.99
40	L7	AR1260-D	200.000	149.669	25.2#	76	0.00	5.89- 6.09
41	L7	AR1260-E	200.000	154.370	22.8#	77	0.00	6.33- 6.53

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28348.D

42	L7	AR1260-F	200.000	159.039	20.5#	76	0.00	6.82- 7.02
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl	20.000	17.738	11.3	87	0.00	7.64- 8.04

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	20.000	19.858	0.7	99	-0.01	2.91- 3.31
2	L1	AR1016-A	200.000	210.839	-5.4	100	0.00	3.42- 3.62
3	L1	AR1016-B	200.000	217.737	-8.9	105	0.00	3.70- 3.90
4	L1	AR1016-C	200.000	191.284	4.4	95	0.00	4.02- 4.22
5	L1	AR1016-D	200.000	200.781	-0.4	97	0.00	4.11- 4.31
6	L1	AR1016-E	200.000	203.723	-1.9	99	0.00	4.18- 4.38
7	L1	AR1016-F	200.000	209.412	-4.7	101	0.00	4.39- 4.59
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A	200.000	200.781	-0.4	100	0.00	5.06- 5.26
38	L7	AR1260-B	200.000	196.625	1.7	98	0.00	5.20- 5.40
39	L7	AR1260-C	200.000	194.942	2.5	95	0.00	5.68- 5.88
40	L7	AR1260-D	200.000	174.061	13.0	88	0.00	5.90- 6.10
41	L7	AR1260-E	200.000	192.841	3.6	95	0.00	6.21- 6.41
42	L7	AR1260-F	200.000	190.589	4.7	92	0.00	6.81- 7.01
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl	20.000	20.104	-0.5	98	-0.01	7.18- 7.58

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST891-CC885
Lab FileID: ST28348.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28135.D 8082.M Thu Jun 17 10:36:24 2004 ECD3

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST892-CC885
Lab FileID: ST28379.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0617PCB\ST28379.D\ECD1B.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA\0617PCB\ST28379.D\ECD2A.CH
Acq On : 17 Jun 2004 11:01 am Operator: stephw
Sample : CC885-400 Inst : ECD 3
Misc : op10692,gst892,1.05,,,10,100000,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	40.000	39.599	1.0	97	-0.02	2.91- 3.31
2	L1	AR1016-A	400.000	378.759	5.3	95	0.00	3.47- 3.67
3	L1	AR1016-B	400.000	398.180	0.5	103	0.00	3.76- 3.96
4	L1	AR1016-C	400.000	371.120	7.2	96	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	367.748	8.1	94	0.00	4.13- 4.33
6	L1	AR1016-E	400.000	386.871	3.3	99	0.00	4.22- 4.42
7	L1	AR1016-F	400.000	387.752	3.1	101	0.00	4.44- 4.64
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A	400.000	377.749	5.6	99	0.00	5.13- 5.33
38	L7	AR1260-B	400.000	347.328	13.2	91	0.00	5.17- 5.37
39	L7	AR1260-C	400.000	366.821	8.3	97	0.00	5.79- 5.99
40	L7	AR1260-D	400.000	339.328	15.2#	91	0.00	5.89- 6.09
41	L7	AR1260-E	400.000	357.898	10.5	93	0.00	6.33- 6.53

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST892-CC885
Lab FileID: ST28379.D

42	L7	AR1260-F	400.000	349.893	12.5	90	0.00	6.82- 7.02
43	L8	AR1268-A	----------NA----------					
44	L8	AR1268-B	----------NA----------					
45	L8	AR1268-C	----------NA----------					
46	L8	AR1268-D	----------NA----------					
47	L8	AR1268-E	----------NA----------					
48	L8	AR1268-F	----------NA----------					
49	S	Decachlorobiphenyl	40.000	36.853	7.9	95	0.00	7.64- 8.04
*****		Signal #2 *****						
1	S	Tetrachloro-m-xylene	40.000	40.526	-1.3	101	-0.02	2.91- 3.31
2	L1	AR1016-A	400.000	398.344	0.4	102	0.00	3.42- 3.62
3	L1	AR1016-B	400.000	414.051	-3.5	107	0.00	3.70- 3.90
4	L1	AR1016-C	400.000	396.932	0.8	103	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	406.076	-1.5	107	0.00	4.11- 4.31
6	L1	AR1016-E	400.000	405.404	-1.4	106	0.00	4.18- 4.38
7	L1	AR1016-F	400.000	428.684	-7.2	110	0.00	4.39- 4.59
8	L2	AR1221-A	----------NA----------					
9	L2	AR1221-B	----------NA----------					
10	L2	AR1221-C	----------NA----------					
11	L2	AR1221-D	----------NA----------					
12	L2	AR1221-E	----------NA----------					
13	L3	AR1232-A	----------NA----------					
14	L3	AR1232-B	----------NA----------					
15	L3	AR1232-C	----------NA----------					
16	L3	AR1232-D	----------NA----------					
17	L3	AR1232-E	----------NA----------					
18	L3	AR1232-F	----------NA----------					
19	L4	AR1242-A	----------NA----------					
20	L4	AR1242-B	----------NA----------					
21	L4	AR1242-C	----------NA----------					
22	L4	AR1242-D	----------NA----------					
23	L4	AR1242-E	----------NA----------					
24	L4	AR1242-F	----------NA----------					
25	L5	AR1248-A	----------NA----------					
26	L5	AR1248-B	----------NA----------					
27	L5	AR1248-C	----------NA----------					
28	L5	AR1248-D	----------NA----------					
29	L5	AR1248-E	----------NA----------					
30	L5	AR1248-F	----------NA----------					
31	L6	AR1254-A	----------NA----------					
32	L6	AR1254-B	----------NA----------					
33	L6	AR1254-C	----------NA----------					
34	L6	AR1254-D	----------NA----------					
35	L6	AR1254-E	----------NA----------					
36	L6	AR1254-F	----------NA----------					
37	L7	AR1260-A	400.000	427.832	-7.0	113	0.00	5.06- 5.26
38	L7	AR1260-B	400.000	410.656	-2.7	107	0.00	5.20- 5.40
39	L7	AR1260-C	400.000	428.046	-7.0	108	0.00	5.68- 5.88
40	L7	AR1260-D	400.000	394.202	1.4	102	0.00	5.90- 6.10
41	L7	AR1260-E	400.000	416.373	-4.1	108	0.00	6.21- 6.41
42	L7	AR1260-F	400.000	399.250	0.2	101	0.00	6.81- 7.01
43	L8	AR1268-A	----------NA----------					
44	L8	AR1268-B	----------NA----------					
45	L8	AR1268-C	----------NA----------					
46	L8	AR1268-D	----------NA----------					
47	L8	AR1268-E	----------NA----------					
48	L8	AR1268-F	----------NA----------					
49	S	Decachlorobiphenyl	40.000	41.190	-3.0	106	-0.01	7.18- 7.58

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST892-CC885
Lab FileID: ST28379.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28136.D 8082.M Thu Jun 17 11:39:17 2004 ECD3

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST892-CC885
Lab FileID: ST28390.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0617PCB\ST28390.D\ECD1B.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\0617PCB\ST28390.D\ECD2A.CH
Acq On : 17 Jun 2004 1:31 pm Operator: stephw
Sample : CC885-400 Inst : ECD 3
Misc : op10676,gst892,30.7,,,10,2,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	40.000	41.063	-2.7	100	-0.02	2.91- 3.31
2	L1	AR1016-A	400.000	392.545	1.9	99	0.00	3.47- 3.67
3	L1	AR1016-B	400.000	403.941	-1.0	105	0.00	3.76- 3.96
4	L1	AR1016-C	400.000	383.832	4.0	99	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	365.318	8.7	93	0.00	4.13- 4.33
6	L1	AR1016-E	400.000	379.020	5.2	97	0.00	4.22- 4.42
7	L1	AR1016-F	400.000	392.924	1.8	102	0.00	4.44- 4.64
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A	400.000	376.187	6.0	99	0.00	5.13- 5.33
38	L7	AR1260-B	400.000	364.296	8.9	95	0.00	5.17- 5.37
39	L7	AR1260-C	400.000	378.506	5.4	100	0.00	5.79- 5.99
40	L7	AR1260-D	400.000	360.531	9.9	97	0.00	5.89- 6.09
41	L7	AR1260-E	400.000	359.930	10.0	94	0.00	6.33- 6.53

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST892-CC885
Lab FileID: ST28390.D

42	L7	AR1260-F	400.000	353.376	11.7	91	0.00	6.82- 7.02
43	L8	AR1268-A	----------NA----------					
44	L8	AR1268-B	----------NA----------					
45	L8	AR1268-C	----------NA----------					
46	L8	AR1268-D	----------NA----------					
47	L8	AR1268-E	----------NA----------					
48	L8	AR1268-F	----------NA----------					
49	S	Decachlorobiphenyl	40.000	36.871	7.8	96	0.00	7.64- 8.04
*****		Signal #2 *****						
1	S	Tetrachloro-m-xylene	40.000	42.221	-5.6	105	-0.02	2.91- 3.31
2	L1	AR1016-A	400.000	406.883	-1.7	104	0.00	3.42- 3.62
3	L1	AR1016-B	400.000	415.161	-3.8	107	0.00	3.70- 3.90
4	L1	AR1016-C	400.000	398.105	0.5	103	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	418.010	-4.5	110	0.00	4.11- 4.31
6	L1	AR1016-E	400.000	415.574	-3.9	109	0.00	4.18- 4.38
7	L1	AR1016-F	400.000	424.604	-6.2	109	0.00	4.39- 4.59
8	L2	AR1221-A	----------NA----------					
9	L2	AR1221-B	----------NA----------					
10	L2	AR1221-C	----------NA----------					
11	L2	AR1221-D	----------NA----------					
12	L2	AR1221-E	----------NA----------					
13	L3	AR1232-A	----------NA----------					
14	L3	AR1232-B	----------NA----------					
15	L3	AR1232-C	----------NA----------					
16	L3	AR1232-D	----------NA----------					
17	L3	AR1232-E	----------NA----------					
18	L3	AR1232-F	----------NA----------					
19	L4	AR1242-A	----------NA----------					
20	L4	AR1242-B	----------NA----------					
21	L4	AR1242-C	----------NA----------					
22	L4	AR1242-D	----------NA----------					
23	L4	AR1242-E	----------NA----------					
24	L4	AR1242-F	----------NA----------					
25	L5	AR1248-A	----------NA----------					
26	L5	AR1248-B	----------NA----------					
27	L5	AR1248-C	----------NA----------					
28	L5	AR1248-D	----------NA----------					
29	L5	AR1248-E	----------NA----------					
30	L5	AR1248-F	----------NA----------					
31	L6	AR1254-A	----------NA----------					
32	L6	AR1254-B	----------NA----------					
33	L6	AR1254-C	----------NA----------					
34	L6	AR1254-D	----------NA----------					
35	L6	AR1254-E	----------NA----------					
36	L6	AR1254-F	----------NA----------					
37	L7	AR1260-A	400.000	423.166	-5.8	112	0.00	5.06- 5.26
38	L7	AR1260-B	400.000	405.446	-1.4	106	0.00	5.20- 5.40
39	L7	AR1260-C	400.000	429.722	-7.4	109	0.00	5.68- 5.88
40	L7	AR1260-D	400.000	404.071	-1.0	105	0.00	5.90- 6.10
41	L7	AR1260-E	400.000	429.377	-7.3	112	0.00	6.21- 6.41
42	L7	AR1260-F	400.000	412.257	-3.1	104	0.00	6.81- 7.01
43	L8	AR1268-A	----------NA----------					
44	L8	AR1268-B	----------NA----------					
45	L8	AR1268-C	----------NA----------					
46	L8	AR1268-D	----------NA----------					
47	L8	AR1268-E	----------NA----------					
48	L8	AR1268-F	----------NA----------					
49	S	Decachlorobiphenyl	40.000	42.582	-6.5	110	-0.02	7.18- 7.58

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST892-CC885
Lab FileID: ST28390.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28136.D 8082.M Thu Jun 17 16:20:12 2004 ECD3

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST892-CC885
Lab FileID: ST28400.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0617PCB\ST28400.D\ECD1B.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\0617PCB\ST28400.D\ECD2A.CH
Acq On : 17 Jun 2004 4:04 pm Operator: stephw
Sample : CC885-400 Inst : ECD 3
Misc : op10676,gst892,30.3,,,10,1,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\HPCHEM\1\METHODS\8082.M (Chemstation Integrator)
Title : PCBs by 608 or 8082
Last Update : Thu Jun 03 11:38:13 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	40.000	39.691	0.8	97	-0.02	2.91- 3.31
2	L1	AR1016-A	400.000	384.800	3.8	97	0.00	3.47- 3.67
3	L1	AR1016-B	400.000	399.540	0.1	104	0.00	3.76- 3.96
4	L1	AR1016-C	400.000	388.510	2.9	100	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	351.910	12.0	90	0.00	4.13- 4.33
6	L1	AR1016-E	400.000	387.844	3.0	99	0.00	4.22- 4.42
7	L1	AR1016-F	400.000	398.263	0.4	104	0.00	4.44- 4.64
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A	400.000	383.882	4.0	101	0.00	5.13- 5.33
38	L7	AR1260-B	400.000	361.728	9.6	95	0.00	5.17- 5.37
39	L7	AR1260-C	400.000	398.842	0.3	105	0.00	5.79- 5.99
40	L7	AR1260-D	400.000	365.734	8.6	98	0.00	5.89- 6.09
41	L7	AR1260-E	400.000	366.906	8.3	96	0.00	6.33- 6.53

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST892-CC885
Lab FileID: ST28400.D

42	L7	AR1260-F	400.000	363.473	9.1	93	0.00	6.82- 7.02
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl	40.000	34.895	12.8	90	0.00	7.64- 8.04
*****		Signal #2 *****						
1	S	Tetrachloro-m-xylene	40.000	41.315	-3.3	103	-0.01	2.91- 3.31
2	L1	AR1016-A	400.000	404.788	-1.2	103	0.00	3.42- 3.62
3	L1	AR1016-B	400.000	420.479	-5.1	108	0.00	3.70- 3.90
4	L1	AR1016-C	400.000	401.411	-0.4	104	0.00	4.02- 4.22
5	L1	AR1016-D	400.000	421.938	-5.5	111	0.00	4.11- 4.31
6	L1	AR1016-E	400.000	424.834	-6.2	111	0.00	4.18- 4.38
7	L1	AR1016-F	400.000	440.121	-10.0	113	0.00	4.39- 4.59
8	L2	AR1221-A		----------NA----------				
9	L2	AR1221-B		----------NA----------				
10	L2	AR1221-C		----------NA----------				
11	L2	AR1221-D		----------NA----------				
12	L2	AR1221-E		----------NA----------				
13	L3	AR1232-A		----------NA----------				
14	L3	AR1232-B		----------NA----------				
15	L3	AR1232-C		----------NA----------				
16	L3	AR1232-D		----------NA----------				
17	L3	AR1232-E		----------NA----------				
18	L3	AR1232-F		----------NA----------				
19	L4	AR1242-A		----------NA----------				
20	L4	AR1242-B		----------NA----------				
21	L4	AR1242-C		----------NA----------				
22	L4	AR1242-D		----------NA----------				
23	L4	AR1242-E		----------NA----------				
24	L4	AR1242-F		----------NA----------				
25	L5	AR1248-A		----------NA----------				
26	L5	AR1248-B		----------NA----------				
27	L5	AR1248-C		----------NA----------				
28	L5	AR1248-D		----------NA----------				
29	L5	AR1248-E		----------NA----------				
30	L5	AR1248-F		----------NA----------				
31	L6	AR1254-A		----------NA----------				
32	L6	AR1254-B		----------NA----------				
33	L6	AR1254-C		----------NA----------				
34	L6	AR1254-D		----------NA----------				
35	L6	AR1254-E		----------NA----------				
36	L6	AR1254-F		----------NA----------				
37	L7	AR1260-A	400.000	438.364	-9.6	116	0.00	5.06- 5.26
38	L7	AR1260-B	400.000	419.504	-4.9	110	0.00	5.20- 5.40
39	L7	AR1260-C	400.000	446.763	-11.7	113	0.00	5.68- 5.88
40	L7	AR1260-D	400.000	408.793	-2.2	106	0.00	5.90- 6.10
41	L7	AR1260-E	400.000	438.674	-9.7	114	0.00	6.21- 6.41
42	L7	AR1260-F	400.000	400.032	-0.0	101	0.00	6.81- 7.01
43	L8	AR1268-A		----------NA----------				
44	L8	AR1268-B		----------NA----------				
45	L8	AR1268-C		----------NA----------				
46	L8	AR1268-D		----------NA----------				
47	L8	AR1268-E		----------NA----------				
48	L8	AR1268-F		----------NA----------				
49	S	Decachlorobiphenyl	40.000	40.631	-1.6	105	-0.01	7.18- 7.58

ACCUTEST Laboratories

Continuing Calibration Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: GST892-CC885
Lab FileID: ST28400.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST28136.D 8082.M Thu Jun 17 16:20:13 2004 ECD3

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**JUNE 24, 2004**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS + TIN AND CYANIDE**
NAS KEY WEST – CTO 349
SAMPLE DELIVERY GROUP (SDG) – F24685

SAMPLES: 12/SOIL/

C03D-06C-06-0604	C03D-06C-12-0604	C03D-06C-24-0604
C03D-07C-06-0604	C03D-07C-12-0604	C03D-07C-24-0604
C03D-10C-06-0604	C03D-10C-12-0604	C03D-10C-24-0604
C03D-11C-06-0604	C03D-11C-12-0604	C03D-11C-24-0604

1/AQUEOUS/

KWRB060804

Overview

The sample set for NAS Key West, CTO 349, SDG F24685, consists of twelve (12) soil environmental samples and one (1) aqueous rinse blank.

All samples were analyzed for target analyte list (TAL) metals plus tin. Sample KWRB060804 was also analyzed for cyanide. The samples were collected by Tetra Tech NUS on June 8, 2004 and analyzed by Accutest Laboratories Southeast, Inc. Metals analyses except mercury were conducted using SW846 method 6010B. Soil mercury analyses were conducted using SW846 method 7471A. Aqueous mercury analyses were conducted using SW846 method 7470A. Cyanide analyses were conducted using EPA method 335.2.

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

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
  • Laboratory Blank Analyses
* • Detection Limits

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	35.0 ug/L	17.5 mg/kg
Calcium	46.5 ug/L	23.3 mg/kg
Iron	44.1 ug/L	22.1 mg/kg
Lead	2.3 ug/L	1.2 mg/kg
Mercury[1]	0.0024 mg/kg	0.012 mg/kg
Thallium	3.3 ug/L	1.7 mg/kg
Tin	5.4 ug/L	2.7 mg/kg

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

Notes

Dilutions were performed for calcium in all samples due to the concentrations of calcium above the linear range of the instrument.

Executive Summary

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

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", 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: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-06C-06-0604	nsample	C03D-06C-12-0604	nsample	C03D-06C-24-0604
samp_date	6/8/2004	samp_date	6/8/2004	samp_date	6/8/2004
lab_id	F24685-1	lab_id	F24685-2	lab_id	F24685-3
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	97.8	Pct_Solids	95.1	Pct_Solids	85.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	540		
ANTIMONY	65.6		
ARSENIC	2.4		
BARIUM	29.7		
BERYLLIUM	0.029	U	
CADMIUM	0.39		
CALCIUM	245000		
CHROMIUM	23.2		
COBALT	0.35		
COPPER	25.4		
IRON	4760		
LEAD	3620		
MAGNESIUM	1440		
MANGANESE	36.9		
MERCURY	0.034		
NICKEL	2.6		
POTASSIUM	91		
SELENIUM	20	U	
SILVER	0.59		
SODIUM	408		
THALLIUM	0.15	U	
TIN	5.8		
VANADIUM	4.9		
ZINC	57.9		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	512		
ANTIMONY	3.5		
ARSENIC	0.97		
BARIUM	22.4		
BERYLLIUM	0.032	U	
CADMIUM	0.68		
CALCIUM	264000		
CHROMIUM	11.7		
COBALT	0.61		
COPPER	30.8		
IRON	6770		
LEAD	359		
MAGNESIUM	1460		
MANGANESE	78.1		
MERCURY	0.043		
NICKEL	4.5		
POTASSIUM	98		
SELENIUM	21	U	
SILVER	0.22		
SODIUM	363		
THALLIUM	0.16	U	
TIN	5.3		
VANADIUM	5.5		
ZINC	71.1		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	387		
ANTIMONY	0.18	U	
ARSENIC	2.6		
BARIUM	24.8		
BERYLLIUM	0.035	U	
CADMIUM	0.079		
CALCIUM	384000		
CHROMIUM	3.7		
COBALT	0.059	U	
COPPER	20.6		
IRON	1180		
LEAD	85.4		
MAGNESIUM	5500		
MANGANESE	16.8		
MERCURY	0.29		
NICKEL	1.2		
POTASSIUM	92.2		
SELENIUM	23	U	
SILVER	0.07	U	
SODIUM	2010		
THALLIUM	0.18	U	
TIN	7.4		
VANADIUM	3.7		
ZINC	54		

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-07C-06-0604	nsample	C03D-07C-12-0604	nsample	C03D-07C-24-0604
samp_date	6/8/2004	samp_date	6/8/2004	samp_date	6/8/2004
lab_id	F24685-7	lab_id	F24685-8	lab_id	F24685-9
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	98.2	Pct_Solids	97.6	Pct_Solids	92.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	711		
ANTIMONY	0.15	U	
ARSENIC	1		
BARIUM	8.4		
BERYLLIUM	0.031	U	
CADMIUM	0.031	U	
CALCIUM	255000		
CHROMIUM	5.6		
COBALT	0.096		
COPPER	7.9		
IRON	757		
LEAD	28.4		
MAGNESIUM	1670		
MANGANESE	23.3		
MERCURY	0.19		
NICKEL	1.1		
POTASSIUM	135		
SELENIUM	20	U	
SILVER	0.061	U	
SODIUM	314		
THALLIUM	0.15	U	
TIN	3		
VANADIUM	5.1		
ZINC	14.7		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	726		
ANTIMONY	0.16	U	
ARSENIC	1.3		
BARIUM	7.7		
BERYLLIUM	0.031	U	
CADMIUM	0.031	U	
CALCIUM	262000		
CHROMIUM	5.5		
COBALT	0.088		
COPPER	5.2		
IRON	593		
LEAD	25.1		
MAGNESIUM	1630		
MANGANESE	23		
MERCURY	0.062		
NICKEL	1.1		
POTASSIUM	136		
SELENIUM	21	U	
SILVER	0.063	U	
SODIUM	312		
THALLIUM	0.16	U	
TIN	3		
VANADIUM	5.4		
ZINC	12.1		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	279		
ANTIMONY	1.7		
ARSENIC	1.6		
BARIUM	22.5		
BERYLLIUM	0.033	U	
CADMIUM	0.55		
CALCIUM	368000		
CHROMIUM	5.1		
COBALT	0.18		
COPPER	55		
IRON	1210		
LEAD	167		
MAGNESIUM	1360		
MANGANESE	16.9		
MERCURY	0.12		
NICKEL	2.3		
POTASSIUM	56		
SELENIUM	22	U	
SILVER	0.066	U	
SODIUM	1130		
THALLIUM	0.17	U	
TIN	5.3		
VANADIUM	2.4		
ZINC	194		

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-10C-06-0604	nsample	C03D-10C-12-0604	nsample	C03D-10C-24-0604
samp_date	6/8/2004	samp_date	6/8/2004	samp_date	6/8/2004
lab_id	F24685-4	lab_id	F24685-5	lab_id	F24685-6
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	93.9	Pct_Solids	93.1	Pct_Solids	92.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	272		
ANTIMONY	0.16	U	
ARSENIC	1.9		
BARIUM	9.7		
BERYLLIUM	0.031	U	
CADMIUM	0.031	U	
CALCIUM	393000		
CHROMIUM	2.4		
COBALT	0.052	U	
COPPER	11.9		
IRON	350		
LEAD	20.9		
MAGNESIUM	909		
MANGANESE	5.5		
MERCURY	0.023		
NICKEL	0.71		
POTASSIUM	51.8		
SELENIUM	21	U	
SILVER	0.063	U	
SODIUM	1180		
THALLIUM	0.16	U	
TIN	4.3		
VANADIUM	1.5		
ZINC	10.8		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	119		
ANTIMONY	0.16	U	
ARSENIC	1.9		
BARIUM	6.9		
BERYLLIUM	0.032	U	
CADMIUM	0.032	U	
CALCIUM	427000		
CHROMIUM	2		
COBALT	0.053	U	
COPPER	1.5		
IRON	216		
LEAD	9.2		
MAGNESIUM	1350		
MANGANESE	7.4		
MERCURY	0.025		
NICKEL	0.58		
POTASSIUM	29.2		
SELENIUM	21	U	
SILVER	0.063	U	
SODIUM	1030		
THALLIUM	0.25	U	A
TIN	4.4		
VANADIUM	1.7		
ZINC	2.8		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	142		
ANTIMONY	0.16	U	
ARSENIC	2.7		
BARIUM	6.8		
BERYLLIUM	0.032	U	
CADMIUM	0.032	U	
CALCIUM	411000		
CHROMIUM	1.8		
COBALT	0.053	U	
COPPER	2.4		
IRON	181		
LEAD	7.2		
MAGNESIUM	1160		
MANGANESE	5.1		
MERCURY	0.014		
NICKEL	0.58		
POTASSIUM	31.7		
SELENIUM	21	U	
SILVER	0.064	U	
SODIUM	824		
THALLIUM	0.16	U	
TIN	4.7		
VANADIUM	1.4		
ZINC	3.1		

PROJ_NO: 0693

SDG: F24685 MEDIA: SOIL DATA FRACTION: M

nsample	C03D-11C-06-0604	nsample	C03D-11C-12-0604	nsample	C03D-11C-24-0604
samp_date	6/8/2004	samp_date	6/8/2004	samp_date	6/8/2004
lab_id	F24685-11	lab_id	F24685-12	lab_id	F24685-13
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	98.0	Pct_Solids	96.9	Pct_Solids	96.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	646		
ANTIMONY	2.3		
ARSENIC	2		
BARIUM	38.5		
BERYLLIUM	0.03	U	
CADMIUM	0.92		
CALCIUM	292000		
CHROMIUM	24.5		
COBALT	0.29		
COPPER	99.1		
IRON	2300		
LEAD	613		
MAGNESIUM	2710		
MANGANESE	29		
MERCURY	0.12		
NICKEL	4.7		
POTASSIUM	98		
SELENIUM	20	U	
SILVER	0.097		
SODIUM	938		
THALLIUM	1.5	U	
TIN	6.3		
VANADIUM	4.7		
ZINC	176		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	673		
ANTIMONY	0.15	U	
ARSENIC	1		
BARIUM	6.2		
BERYLLIUM	0.031	U	
CADMIUM	0.031	U	
CALCIUM	241000		
CHROMIUM	4.9		
COBALT	0.052	U	
COPPER	0.71		
IRON	510		
LEAD	4.2		
MAGNESIUM	1520		
MANGANESE	21.3		
MERCURY	0.0058	U	A
NICKEL	0.92		
POTASSIUM	115		
SELENIUM	21	U	
SILVER	0.062	U	
SODIUM	235		
THALLIUM	0.15	U	
TIN	2.8		
VANADIUM	5.2		
ZINC	1.7		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	636		
ANTIMONY	0.16	U	
ARSENIC	1		
BARIUM	5.9		
BERYLLIUM	0.032	U	
CADMIUM	0.032	U	
CALCIUM	233000		
CHROMIUM	4.4		
COBALT	0.053	U	
COPPER	0.44		
IRON	479		
LEAD	0.83	U	A
MAGNESIUM	1470		
MANGANESE	20.3		
MERCURY	0.0055	U	A
NICKEL	0.87		
POTASSIUM	105		
SELENIUM	21	U	
SILVER	0.064	U	
SODIUM	208		
THALLIUM	0.16	U	
TIN	2.7	U	A
VANADIUM	4.8		
ZINC	0.63		

PROJ_NO: 0693

SDG: F24685 MEDIA: WATER DATA FRACTION: MISC

nsample	KWRB060804
samp_date	6/8/2004
lab_id	F24685-14
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	MG/L	0.01	U	

PROJ_NO: 0693

SDG: F24685 MEDIA: WATER DATA FRACTION: M

nsample	KWRB060804
samp_date	6/8/2004
lab_id	F24685-14
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	6.6	U	
ANTIMONY	1.5	U	
ARSENIC	2.8	U	
BARIUM	0.5	U	
BERYLLIUM	0.3	U	
CADMIUM	0.3	U	
CALCIUM	33.4		
CHROMIUM	0.4	U	
COBALT	0.5	U	
COPPER	0.44	U	
IRON	7.1	U	
LEAD	1.3		
MAGNESIUM	9.9	U	
MANGANESE	0.16	U	
MERCURY	0.022	U	
NICKEL	1.1	U	
POTASSIUM	14	U	
SELENIUM	2	U	
SILVER	0.6	U	
SODIUM	150	U	
THALLIUM	1.5	U	
TIN	1.5	U	
VANADIUM	0.47	U	
ZINC	1.9		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-06C-06-0604		
Lab Sample ID:	F24685-1	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	97.8
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	540	20	0.65	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	65.6	5.9	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.4	0.49	0.28	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	29.7	20	0.049	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.029 U	0.49	0.029	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.39	0.39	0.029	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	245000	4900	3.7	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	23.2	0.98	0.039	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.35 B	4.9	0.049	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	25.4	2.5	0.043	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	4760	9.8	0.70	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	3620	9.8	0.12	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1440	490	0.97	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	36.9	1.5	0.016	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.034 B	0.087	0.0019	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	2.6 B	3.9	0.11	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	91.0 B	490	1.4	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.59 B	0.98	0.059	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	408 B	490	14	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	0.98	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	5.8	4.9	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.9	4.9	0.046	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	57.9	2.0	0.058	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

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Report of Analysis

Client Sample ID:	C03D-06C-12-0604		
Lab Sample ID:	F24685-2	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	95.1
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	512	21	0.69	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	3.5 B	6.3	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	0.97	0.53	0.29	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	22.4	21	0.053	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.032 U	0.53	0.032	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.68	0.42	0.032	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	264000	5300	4.0	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	11.7	1.1	0.042	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.61 B	5.3	0.053	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	30.8	2.6	0.046	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	6770	11	0.75	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	359	11	0.13	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1460	530	1.0	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	78.1	1.6	0.017	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.043 B	0.089	0.0020	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	4.5	4.2	0.12	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	98.0 B	530	1.5	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.22 B	1.1	0.063	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	363 B	530	15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	5.3	5.3	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.5	5.3	0.049	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	71.1	2.1	0.062	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-06C-24-0604		
Lab Sample ID:	F24685-3	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	85.3
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	387	23	0.77	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.18 U	7.0	0.18	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.6	0.59	0.33	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	24.8	23	0.059	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.035 U	0.59	0.035	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.079 B	0.47	0.035	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	384000	5900	4.5	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	3.7	1.2	0.047	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.059 U	5.9	0.059	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	20.6	2.9	0.052	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	1180	12	0.83	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	85.4	12	0.14	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	5500	590	1.2	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	16.8	1.8	0.019	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.29	0.095	0.0021	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	1.2 B	4.7	0.13	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	92.2 B	590	1.6	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	23 U	48	23	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.070 U	1.2	0.070	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	2010	590	17	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.18 U	1.2	0.18	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	7.4	5.9	0.18	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	3.7 B	5.9	0.055	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	54.0	2.3	0.069	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

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Report of Analysis

Client Sample ID:	C03D-07C-06-0604		
Lab Sample ID:	F24685-7	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	98.2
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	711	20	0.67	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.1	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.0	0.51	0.29	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	8.4 B	20	0.051	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.031 U	0.51	0.031	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.41	0.031	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	255000	5100	3.9	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.6	1.0	0.041	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.096 B	5.1	0.051	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	7.9	2.5	0.045	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	757	10	0.72	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	28.4	10	0.12	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1670	510	1.0	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	23.3	1.5	0.016	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.19	0.082	0.0018	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	1.1 B	4.1	0.11	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	135 B	510	1.4	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.061 U	1.0	0.061	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	314 B	510	15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.0 B	5.1	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.1	5.1	0.048	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	14.7	2.0	0.060	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-07C-12-0604		
Lab Sample ID:	F24685-8	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	97.6
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	726	21	0.69	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.3	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.3	0.52	0.29	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	7.7 B	21	0.052	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.031 U	0.52	0.031	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.42	0.031	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	262000	5200	4.0	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.5	1.0	0.042	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.088 B	5.2	0.052	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	5.2	2.6	0.046	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	593	10	0.74	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	25.1	10	0.13	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1630	520	1.0	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	23.0	1.6	0.017	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.062 B	0.085	0.0019	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	1.1 B	4.2	0.12	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	136 B	520	1.4	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	40	21	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.063 U	1.0	0.063	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	312 B	520	15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.0	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	3.0 B	5.2	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.4	5.2	0.049	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	12.1	2.1	0.062	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-07C-24-0604		
Lab Sample ID:	F24685-9	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	92.4
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	279	22	0.73	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	1.7 B	6.6	0.17	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.6	0.55	0.31	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	22.5	22	0.055	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.033 U	0.55	0.033	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.55	0.44	0.033	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	368000	5500	4.2	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	5.1	1.1	0.044	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.18 B	5.5	0.055	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	55.0	2.8	0.049	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	1210	11	0.78	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	167	11	0.13	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1360	550	1.1	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	16.9	1.7	0.018	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.12	0.090	0.0020	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	2.3 B	4.4	0.12	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	56.0 B	550	1.5	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	22 U	44	22	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.066 U	1.1	0.066	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	1130	550	16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.17 U	1.1	0.17	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	5.3 B	5.5	0.17	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	2.4 B	5.5	0.052	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	194	2.2	0.065	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

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Report of Analysis

Client Sample ID:	C03D-10C-06-0604		
Lab Sample ID:	F24685-4	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	93.9
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	272	21	0.69	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.3	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.9	0.52	0.29	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	9.7 B	21	0.052	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.031 U	0.52	0.031	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.42	0.031	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	393000	5200	4.0	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	2.4	1.0	0.042	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.052 U	5.2	0.052	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	11.9	2.6	0.046	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	350	10	0.74	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	20.9	10	0.13	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	909	520	1.0	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	5.5	1.6	0.017	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.023 B	0.089	0.0020	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.71 B	4.2	0.11	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	51.8 B	520	1.4	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	40	21	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.063 U	1.0	0.063	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	1180	520	15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.0	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	4.3 B	5.2	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	1.5 B	5.2	0.049	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	10.8	2.1	0.062	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

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Report of Analysis

Client Sample ID:	C03D-10C-12-0604		
Lab Sample ID:	F24685-5	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	93.1
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	119	21	0.70	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.3	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.9	0.53	0.29	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.9 B	21	0.053	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.032 U	0.53	0.032	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.032 U	0.42	0.032	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	427000	5300	4.0	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	2.0	1.1	0.042	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.053 U	5.3	0.053	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	1.5 B	2.6	0.046	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	216	11	0.75	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	9.2 B	11	0.13	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1350	530	1.0	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	7.4	1.6	0.017	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.025 B	0.091	0.0020	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.58 B	4.2	0.12	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	29.2 B	530	1.5	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.063 U	1.1	0.063	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	1030	530	15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.25 B	1.1	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	4.4 B	5.3	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	1.7 B	5.3	0.049	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	2.8	2.1	0.062	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-10C-24-0604		
Lab Sample ID:	F24685-6	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	92.1
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	142	21	0.70	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.4	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.7	0.53	0.30	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.8 B	21	0.053	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.032 U	0.53	0.032	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.032 U	0.43	0.032	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	411000	5300	4.0	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	1.8	1.1	0.043	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.053 U	5.3	0.053	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	2.4 B	2.7	0.047	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	181	11	0.76	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	7.2 B	11	0.13	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1160	530	1.1	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	5.1	1.6	0.017	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.014 B	0.089	0.0020	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.58 B	4.3	0.12	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	31.7 B	530	1.5	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.064 U	1.1	0.064	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	824	530	15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	4.7 B	5.3	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	1.4 B	5.3	0.050	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	3.1	2.1	0.063	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-11C-06-0604		
Lab Sample ID:	F24685-11	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	98.0
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	646	20	0.66	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	2.3 B	6.0	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.0	0.50	0.28	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	38.5	20	0.050	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.030 U	0.50	0.030	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.92	0.40	0.030	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	292000	5000	3.8	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	24.5	1.0	0.040	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.29 B	5.0	0.050	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	99.1	2.5	0.044	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	2300	10	0.71	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	613	10	0.12	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	2710	500	0.99	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	29.0	1.5	0.016	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.12	0.086	0.0019	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	4.7	4.0	0.11	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	98.0 B	500	1.4	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	20 U	40	20	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.097 B	1.0	0.060	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	938	500	15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium [a]	1.5 U	2.0	1.5	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	6.3	5.0	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.7 B	5.0	0.047	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	176	2.0	0.059	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	C03D-11C-12-0604		
Lab Sample ID:	F24685-12	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	96.9
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	673	21	0.68	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.15 U	6.2	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.0	0.52	0.29	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	6.2 B	21	0.052	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.031 U	0.52	0.031	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.031 U	0.41	0.031	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	241000	5200	3.9	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.9	1.0	0.041	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.052 U	5.2	0.052	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.71 B	2.6	0.045	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	510	10	0.73	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	4.2 B	10	0.12	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1520	520	1.0	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	21.3	1.5	0.017	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0058 B	0.086	0.0019	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.92 B	4.1	0.11	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	115 B	520	1.4	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	40	21	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.062 U	1.0	0.062	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	235 B	520	15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.15 U	1.0	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.8 B	5.2	0.15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	5.2	5.2	0.049	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	1.7 B	2.1	0.061	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

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Report of Analysis

Client Sample ID:	C03D-11C-24-0604		
Lab Sample ID:	F24685-13	Date Sampled:	06/08/04
Matrix:	SO - Soil	Date Received:	06/09/04
		Percent Solids:	96.1
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	636	21	0.70	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Antimony	0.16 U	6.4	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Arsenic	1.0	0.53	0.30	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Barium	5.9 B	21	0.053	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.032 U	0.53	0.032	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.032 U	0.42	0.032	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Calcium	233000	5300	4.0	mg/kg	10	06/11/04	06/17/04	DM	SW846 6010B [3]	SW846 3050B [4]
Chromium	4.4	1.1	0.042	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Cobalt	0.053 U	5.3	0.053	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Copper	0.44 B	2.7	0.047	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Iron	479	11	0.75	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Lead	0.83 B	11	0.13	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Magnesium	1470	530	1.1	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Manganese	20.3	1.6	0.017	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.0055 B	0.087	0.0019	mg/kg	1	06/14/04	06/15/04	SM	SW846 7471A [2]	SW846 7471A [5]
Nickel	0.87 B	4.2	0.12	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Potassium	105 B	530	1.5	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Selenium [a]	21 U	44	21	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Silver	0.064 U	1.1	0.064	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Sodium	208 B	530	15	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.16 U	1.1	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Tin	2.7 B	5.3	0.16	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.8 B	5.3	0.050	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]
Zinc	0.63 B	2.1	0.063	mg/kg	1	06/11/04	06/14/04	DM	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA3841
(2) Instrument QC Batch: MA3842
(3) Instrument QC Batch: MA3848
(4) Prep QC Batch: MP6775
(5) Prep QC Batch: MP6779

(a) Elevated reporting limits due to matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST Laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	KWRB060804		
Lab Sample ID:	F24685-14	Date Sampled:	06/08/04
Matrix:	AQ - Equipment Blank	Date Received:	06/09/04
		Percent Solids:	n/a
Project:	NAS Key West/CTO 349; Key West, FL		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6.6 U	200	6.6	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.5 U	5.0	1.5	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Arsenic	2.8 U	10	2.8	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Barium	0.50 U	200	0.50	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.30 U	4.0	0.30	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.30 U	5.0	0.30	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Calcium	33.4 B	1000	3.8	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.40 U	10	0.40	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Cobalt	0.50 U	50	0.50	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Copper	0.44 U	25	0.44	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Iron	7.1 U	300	7.1	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Lead	1.3 B	5.0	1.2	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Magnesium	9.9 U	5000	9.9	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Manganese	0.16 U	15	0.16	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.022 U	1.0	0.022	ug/l	1	06/10/04	06/11/04	SM	SW846 7470A [1]	SW846 7470A [3]
Nickel	1.1 U	40	1.1	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Potassium	14 U	5000	14	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.0 U	10	2.0	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Silver	0.60 U	10	0.60	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Sodium	150 U	5000	150	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Thallium	1.5 U	10	1.5	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Tin	1.5 U	50	1.5	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Vanadium	0.47 U	50	0.47	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]
Zinc	1.9 B	20	0.59	ug/l	1	06/11/04	06/14/04	DM	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA3839
(2) Instrument QC Batch: MA3841
(3) Prep QC Batch: MP6772
(4) Prep QC Batch: MP6774

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

ACCUTEST laboratories

Accutest Laboratories

Report of Analysis

Client Sample ID:	KWRB060804		
Lab Sample ID:	F24685-14	Date Sampled:	06/08/04
Matrix:	AQ - Equipment Blank	Date Received:	06/09/04
		Percent Solids:	n/a
Project:	NAS Key West/CTO 349; Key West, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide, Total	< 0.010	0.010	mg/l	1	06/16/04	MCR	EPA 335.2

RL = Reporting Limit

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Percent Solids Raw Data Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: F24685-1 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-06C-06-0604

Wet Weight (Total)	6.52	g
Tare Weight	.95	g
Dry Weight (Total)	6.4	g
Solids, Percent	97.8	%

Sample: F24685-2 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-06C-12-0604

Wet Weight (Total)	6.89	g
Tare Weight	.98	g
Dry Weight (Total)	6.6	g
Solids, Percent	95.1	%

Sample: F24685-3 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-06C-24-0604

Wet Weight (Total)	5.33	g
Tare Weight	.97	g
Dry Weight (Total)	4.69	g
Solids, Percent	85.3	%

Sample: F24685-4 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-10C-06-0604

Wet Weight (Total)	6.1	g
Tare Weight	.98	g
Dry Weight (Total)	5.79	g
Solids, Percent	93.9	%

Sample: F24685-5 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-10C-12-0604

Wet Weight (Total)	5.25	g
Tare Weight	1.03	g
Dry Weight (Total)	4.96	g
Solids, Percent	93.1	%

Sample: F24685-6 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-10C-24-0604

Wet Weight (Total)	5.03	g
Tare Weight	.97	g
Dry Weight (Total)	4.71	g
Solids, Percent	92.1	%

Percent Solids Raw Data Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: F24685-7 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-07C-06-0604

Wet Weight (Total)	6.46	g
Tare Weight	.99	g
Dry Weight (Total)	6.36	g
Solids, Percent	98.2	%

Sample: F24685-8 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-07C-12-0604

Wet Weight (Total)	6.5	g
Tare Weight	.99	g
Dry Weight (Total)	6.37	g
Solids, Percent	97.6	%

Sample: F24685-9 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-07C-24-0604

Wet Weight (Total)	6.2	g
Tare Weight	.97	g
Dry Weight (Total)	5.8	g
Solids, Percent	92.4	%

Sample: F24685-10 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: KW-DUP-05-0604

Wet Weight (Total)	6.97	g
Tare Weight	.97	g
Dry Weight (Total)	6.77	g
Solids, Percent	96.7	%

Sample: F24685-11 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-11C-06-0604

Wet Weight (Total)	6.01	g
Tare Weight	.99	g
Dry Weight (Total)	5.91	g
Solids, Percent	98	%

Sample: F24685-12 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-11C-12-0604

Wet Weight (Total)	8.08	g
Tare Weight	1	g
Dry Weight (Total)	7.86	g
Solids, Percent	96.9	%

Percent Solids Raw Data Summary

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Sample: F24685-13 Analyzed: 11-JUN-04 by MCR Method: EPA 160.3 M
ClientID: C03D-11C-24-0604

Wet Weight (Total)	7.86	g
Tare Weight	.97	g
Dry Weight (Total)	7.59	g
Solids, Percent	96.1	%

7.4

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APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG F24685

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	MG/KG	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
HG	UG/L	KWRB060804	F24685-14	NM	06/08/2004	06/10/2004	06/11/2004	2	1	3
M	MG/KG	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	MG/KG	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
M	MG/KG	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/11/2004	06/17/2004	3	6	9
M	UG/L	KWRB060804	F24685-14	NM	06/08/2004	06/11/2004	06/14/2004	3	3	6
CN	MG/L	KWRB060804	F24685-14	NM	06/08/2004	06/16/2004	06/16/2004	8	0	8
PCS	%	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	KW-DUP-05-0604	F24685-10	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
PCS	%	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCS	%	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/11/2004	06/11/2004	3	0	3
OS	%	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	KWRB060804	F24685-14	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	%	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/KG	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
OS	UG/L	KWRB060804	F24685-14	NM	06/08/2004	06/15/2004	06/16/2004	7	1	8
PCB	%	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	KWRB060804	F24685-14	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7
PCB	%	KW-DUP-05-0604	F24685-10	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	%	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-07C-06-0604	F24685-7	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	KW-DUP-05-0604	F24685-10	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-11C-24-0604	F24685-13	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-11C-12-0604	F24685-12	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-11C-06-0604	F24685-11	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-10C-24-0604	F24685-6	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-10C-12-0604	F24685-5	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-10C-06-0604	F24685-4	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-07C-12-0604	F24685-8	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-06C-24-0604	F24685-3	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-06C-12-0604	F24685-2	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-06C-06-0604	F24685-1	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/KG	C03D-07C-24-0604	F24685-9	NM	06/08/2004	06/14/2004	06/17/2004	6	3	9
PCB	UG/L	KWRB060804	F24685-14	NM	06/08/2004	06/14/2004	06/15/2004	6	1	7

#6

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:
ACCUTEST QUOTE #: F24685

CLIENT INFORMATION

NAME: Emily McRae
ADDRESS: 900 Trail Ridge
CITY, STATE, ZIP: Aiken SC 29803
SEND REPORT TO:
PHONE #: 803 649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West, Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803 642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	TAL Metals + Sn	TCL SVOCs	TCL PCBs	LAB USE ONLY
1	C03D-06C-06-0604	6/8/04	0940	GB	SO	3					X	X	X	X	
2	C03D-06C-12-0604		0940			3									
3	C03D-06C-24-0604		0940			3									
4	C03D-10C-06-0604		1050			3									
5	C03D-10C-12-0604		1050			3									
6	C03D-10C-24-0604		1050			3									
6	C03D-10C-24-0604MS		1050			3									
6	C03D-10C-24-0604MSD		1050			3									
7	C03D-07C-06-0604		1402			3									
8	C03D-07C-12-0604		1402			3									

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Gary Bergey	6/8/04	1. FED Ex	2. FED Ex	6/9/04 09:00	2. Jeff Mistroff
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 2.2/1.8 C

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F24685: Chain of Custody
Page 1 of 3

ACCUTEST Laboratories

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ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:
ACCUTEST QUOTE #: F24685

CLIENT INFORMATION

NAME: Emily McRee
ADDRESS: 900 Trail Ridge Rd
CITY: Aiken STATE: SC ZIP: 29803
SEND REPORT TO:
PHONE #: 649-7963 344

FACILITY INFORMATION

PROJECT NAME: NAS Key West
LOCATION: Key West, Florida
PROJECT NO.: N0693 CTO 349
FAX #: 803 642-8454

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	TAL Metal + Sn	TCL SVOC	TCL PCB	CN	LAB USE ONLY
9	C03D-07C-24-0604	6/8/04	1405	GB	SO	3					X	X	X	X		
10	KW-DUP-05-0604		0000			1								X		
11	C03D-01C-06-0604		1500			3						X	X	X		
12	C03D-11C-12-0604		1500			3										
13	C03D-11C-24-0604		1500			3										
14	KWRB060804	6/8/04	1530	BC	LIQ	4					X		X	X		
14	KWRB060804	6/8/04	1530	BC	LIQ	1			X			X				
14	KWRB060804	6/8/04	1530	BC	LIQ	1		X							X	

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER + day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Barry Bagley	6/8/04	1. FED Ex	2. FED Ex	6/9/04 08:00	2. Jeff Mistroff
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE ____ C

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F24685: Chain of Custody
Page 2 of 3

ACCUTEST Laboratories

Sample Summary

Tetra Tech, NUS

Job No: F24685

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F24685-1	06/08/04	09:40 GB	06/09/04	SO	Soil	C03D-06C-06-0604
F24685-2	06/08/04	09:40 GB	06/09/04	SO	Soil	C03D-06C-12-0604
F24685-3	06/08/04	09:40 GB	06/09/04	SO	Soil	C03D-06C-24-0604
F24685-4	06/08/04	10:50 GB	06/09/04	SO	Soil	C03D-10C-06-0604
F24685-5	06/08/04	10:50 GB	06/09/04	SO	Soil	C03D-10C-12-0604
F24685-6	06/08/04	10:50 GB	06/09/04	SO	Soil	C03D-10C-24-0604
F24685-6D	06/08/04	10:50 GB	06/09/04	SO	Soil Dup/MSD	C03D-10C-24-0604
F24685-6S	06/08/04	10:50 GB	06/09/04	SO	Soil Matrix Spike	C03D-10C-24-0604
F24685-7	06/08/04	14:02 GB	06/09/04	SO	Soil	C03D-07C-06-0604
F24685-8	06/08/04	14:02 GB	06/09/04	SO	Soil	C03D-07C-12-0604
F24685-9	06/08/04	14:05 GB	06/09/04	SO	Soil	C03D-07C-24-0604
F24685-10	06/08/04	00:00 GB	06/09/04	SO	Soil	KW-DUP-05-0604
F24685-11	06/08/04	15:00 GB	06/09/04	SO	Soil	C03D-11C-06-0604

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F24685

NAS Key West/CTO 349; Key West, FL
Project No: N0693-WR446(SS)

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F24685-12	06/08/04	15:00 GB	06/09/04	SO	Soil	C03D-11C-12-0604
F24685-13	06/08/04	15:00 GB	06/09/04	SO	Soil	C03D-11C-24-0604
F24685-14	06/08/04	15:30 GB	06/09/04	AQ	Equipment Blank	KWRB060804

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611W1.PRN Date Analyzed: 06/11/04 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA3839 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Mercury	3.0	3.1	103.3	3.0	3.0	100.0	3.0	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611W1.PRN Date Analyzed: 06/11/04 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA3839 Units: ug/l

Metal	CCV True	CCV Results	% Rec
Mercury	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

6.1.2

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ACCUTEST Laboratories

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3841 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	40700	101.8	40000	40900	102.3	40000	40600	101.5
Antimony	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	1960	98.0	2000	1970	98.5	2000	1950	97.5
Barium	2000	2070	103.5	2000	2060	103.0	2000	2070	103.5
Beryllium	2000	2050	102.5	2000	2070	103.5	2000	2070	103.5
Cadmium	2000	2050	102.5	2000	2070	103.5	2000	2070	103.5
Calcium	40000	41400	103.5	40000	41600	104.0	40000	41500	103.8
Chromium	2000	1970	98.5	2000	1980	99.0	2000	1980	99.0
Cobalt	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Copper	2000	1940	97.0	2000	1940	97.0	2000	1940	97.0
Iron	40000	41300	103.3	40000	41700	104.3	40000	41300	103.3
Lead	2000	2030	101.5	2000	2040	102.0	2000	2030	101.5
Magnesium	40000	41200	103.0	40000	41400	103.5	40000	41200	103.0
Manganese	2000	2020	101.0	2000	2030	101.5	2000	2030	101.5
Molybdenum	anr								
Nickel	2000	2070	103.5	2000	2090	104.5	2000	2080	104.0
Potassium	40000	39000	97.5	40000	39000	97.5	40000	39100	97.8
Selenium	2000	2040	102.0	2000	2060	103.0	2000	2050	102.5
Silver	250	252	100.8	250	252	100.8	250	255	102.0
Sodium	40000	40200	100.5	40000	40200	100.5	40000	40100	100.3
Thallium	2000	1880	94.0	2000	1890	94.5	2000	1870	93.5
Tin	2000	2040	102.0	2000	2060	103.0	2000	2040	102.0
Vanadium	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Zinc	2000	2000	100.0	2000	2040	102.0	2000	2020	101.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3841 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	40400	101.0	40000	41000	102.5	40000	40900	102.3
Antimony	2000	1980	99.0	2000	1990	99.5	2000	1990	99.5
Arsenic	2000	1890	94.5	2000	1900	95.0	2000	1880	94.0
Barium	2000	2060	103.0	2000	2080	104.0	2000	2110	105.5
Beryllium	2000	2060	103.0	2000	2080	104.0	2000	2040	102.0
Cadmium	2000	2030	101.5	2000	2050	102.5	2000	2000	100.0
Calcium	40000	40800	102.0	40000	40800	102.0	40000	39800	99.5
Chromium	2000	1970	98.5	2000	1980	99.0	2000	1950	97.5
Cobalt	2000	1970	98.5	2000	1980	99.0	2000	1950	97.5
Copper	2000	1930	96.5	2000	1950	97.5	2000	1960	98.0
Iron	40000	40600	101.5	40000	40800	102.0	40000	40200	100.5
Lead	2000	2010	100.5	2000	2030	101.5	2000	1990	99.5
Magnesium	40000	40400	101.0	40000	40700	101.8	40000	40000	100.0
Manganese	2000	1990	99.5	2000	2000	100.0	2000	1980	99.0
Molybdenum	anr								
Nickel	2000	2030	101.5	2000	2040	102.0	2000	2010	100.5
Potassium	40000	38200	95.5	40000	38800	97.0	40000	39400	98.5
Selenium	2000	2010	100.5	2000	2040	102.0	2000	2020	101.0
Silver	250	256	102.4	250	259	103.6	250	258	103.2
Sodium	40000	39500	98.8	40000	40300	100.8	40000	40300	100.8
Thallium	2000	1830	91.5	2000	1860	93.0	2000	1840	92.0
Tin	2000	1980	99.0	2000	2000	100.0	2000	1970	98.5
Vanadium	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Zinc	2000	1960	98.0	2000	1960	98.0	2000	1900	95.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3841 Units: ug/l

Metal	CCV True	CCV Results	% Rec
Aluminum	40000	41000	102.5
Antimony	2000	2030	101.5
Arsenic	2000	1940	97.0
Barium	2000	2100	105.0
Beryllium	2000	2080	104.0
Cadmium	2000	2070	103.5
Calcium	40000	40900	102.3
Chromium	2000	1980	99.0
Cobalt	2000	2010	100.5
Copper	2000	1960	98.0
Iron	40000	41200	103.0
Lead	2000	2040	102.0
Magnesium	40000	41100	102.8
Manganese	2000	2020	101.0
Molybdenum	anr		
Nickel	2000	2070	103.5
Potassium	40000	39400	98.5
Selenium	2000	2080	104.0
Silver	250	259	103.6
Sodium	40000	40500	101.3
Thallium	2000	1880	94.0
Tin	2000	2030	101.5
Vanadium	2000	2050	102.5
Zinc	2000	2000	100.0

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3

6

ACCUTEST Laboratories

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20615S1.PRN Date Analyzed: 06/15/04 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA3842 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Mercury	3.0	2.9	96.7	3.0	2.8	93.3	3.0	2.9	96.7

(*) Outside of QC limits
(anr) Analyte not requested

6.3.2
6

ACCUTEST Laboratories

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20615S1.PRN Date Analyzed: 06/15/04 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA3842 Units: ug/l

Metal	CCV True	CCV Results	% Rec
Mercury	3.0	2.9	96.7

(*) Outside of QC limits
(anr) Analyte not requested

6.3.2

6

ACCUTEST Laboratories

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC Date Analyzed: 06/17/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3848 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	40000	40800	102.0	40000	41300	103.3	40000	41500	103.8
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Tin									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.4.3

6

ACCUTEST Laboratories

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC Date Analyzed: 06/17/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3848 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	40000	42500	106.3	40000	43000	107.5	40000	43100	107.8
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Tin									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC Date Analyzed: 06/17/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3848 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	40000	42800	107.0	40000	41900	104.8	40000	42200	105.5
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Tin									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.4.3 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC Date Analyzed: 06/17/04 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3848 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	40000	42400	106.0	40000	42700	106.8
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Thallium	anr					
Tin						
Vanadium	anr					
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.4.3
6

ACCUTEST Laboratories

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

QC Batch ID: MP6772
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/10/04

Metal	RL	IDL	MB raw	final
Mercury	1.0	.022	-0.020	<1.0

Associated samples MP6772: F24685-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.5.1

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ACCUTEST Laboratories

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

QC Batch ID: MP6774
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/11/04

Metal	RL	IDL	MB raw	final
Aluminum	200	6.6	-11	<200
Antimony	5.0	1.5	-2.6	<5.0
Arsenic	10	2.8	-4.4	<10
Barium	200	.5	-1.1	<200
Beryllium	4.0	.3	-1.1	<4.0
Cadmium	5.0	.3	-1.5	<5.0
Calcium	1000	3.8	-20	<1000
Chromium	10	.4	-1.5	<10
Cobalt	50	.5	-1.5	<50
Copper	25	.44	0.050	<25
Iron	300	7.1	-25	<300
Lead	5.0	1.2	1.8	<5.0
Magnesium	5000	9.9	-23	<5000
Manganese	15	.16	-1.2	<15
Molybdenum	50	.75	anr	
Nickel	40	1.1	-1.2	<40
Potassium	5000	14	-1.4	<5000
Selenium	10	2	-2.4	<10
Silver	10	.6	-0.85	<10
Sodium	5000	150	-150	<5000
Thallium	10	1.5	-2.5	<10
Tin	50	1.5	-0.40	<50
Vanadium	50	.47	-1.5	<50
Zinc	20	.59	-0.43	<20

Associated samples MP6774: F24685-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

ACCUTEST Laboratories

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

QC Batch ID: MP6775
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 06/11/04

Metal	RL	IDL	MB raw	final
Aluminum	20	.66	-4.2	<20
Antimony	6.0	.15	-0.27	<6.0
Arsenic	0.50	.28	-0.50	<0.50
Barium	20	.05	-0.11	<20
Beryllium	0.50	.03	-0.18	<0.50
Cadmium	0.40	.03	-0.15	<0.40
Calcium	500	.38	2.1	<500
Chromium	1.0	.04	-0.14	<1.0
Cobalt	5.0	.05	-0.15	<5.0
Copper	2.5	.044	-0.11	<2.5
Iron	10	.71	-2.4	<10
Lead	10	.12	0.13	<10
Magnesium	500	.99	-2.1	<500
Manganese	1.5	.016	-0.13	<1.5
Molybdenum	5.0	.075		
Nickel	4.0	.11	-0.15	<4.0
Potassium	500	1.4	-1.4	<500
Selenium	10	.2	-0.38	<10
Silver	1.0	.06	-0.040	<1.0
Sodium	500	15	-8.4	<500
Thallium	1.0	.15	-0.54	<1.0
Tin	5.0	.15	-0.16	<5.0
Vanadium	5.0	.047	-0.15	<5.0
Zinc	2.0	.059	-0.029	<2.0

Associated samples MP6775: F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-9, F24685-11, F24685-12, F24685-13

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.7.1

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ACCUTEST Laboratories

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

QC Batch ID: MP6779
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 06/14/04

Metal	RL	IDL	MB raw	final
Mercury	0.083	.0018	0.0024	<0.083

Associated samples MP6779: F24685-1, F24685-2, F24685-3, F24685-4, F24685-5, F24685-6, F24685-7, F24685-8, F24685-9, F24685-11, F24685-12, F24685-13

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.8.1

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ACCUTEST Laboratories

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611W1.PRN Date Analyzed: 06/11/04 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA3839 Units: ug/l

Metal	RL	IDL	ICB raw	ICB final	CCB raw	CCB final	CCB raw	CCB final	CCB raw	CCB final
Mercury	1.0	.022	-0.032	<1.0	-0.029	<1.0	0.0010	<1.0	-0.028	<1.0

(*) Outside of QC limits
(anr) Analyte not requested

6.1.1

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ACCUTEST Laboratories

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC
QC Limits: result < RL

Date Analyzed: 06/14/04
Run ID: MA3841

Methods: SW846 6010B
Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	-11	<200	35.0	<200	7.5	<200	-6.4	<200
Antimony	5.0	1.5	0.44	<5.0	-2.1	<5.0	0.92	<5.0	-2.3	<5.0
Arsenic	10	2.8	-1.2	<10	-3.0	<10	-2.4	<10	-5.3	<10
Barium	200	.5	-0.46	<200	-0.63	<200	-0.54	<200	-0.56	<200
Beryllium	4.0	.3	-0.52	<4.0	-0.53	<4.0	-0.67	<4.0	-1.2	<4.0
Cadmium	5.0	.3	-0.61	<5.0	-0.81	<5.0	-0.62	<5.0	-0.95	<5.0
Calcium	1000	3.8	-10	<1000	0.63	<1000	-7.6	<1000	-6.8	<1000
Chromium	10	.4	-0.76	<10	-0.67	<10	-0.50	<10	-0.96	<10
Cobalt	50	.5	-0.97	<50	-1.2	<50	-0.69	<50	-1.0	<50
Copper	25	.44	-0.55	<25	-0.47	<25	0.30	<25	0.12	<25
Iron	300	7.1	-11	<300	29.5	<300	27.8	<300	40.2	<300
Lead	5.0	1.2	1.4	<5.0	2.0	<5.0	1.9	<5.0	1.5	<5.0
Magnesium	5000	9.9	-9.2	<5000	-3.2	<5000	-11	<5000	-15	<5000
Manganese	15	.16	-0.62	<15	-0.74	<15	-0.73	<15	-0.74	<15
Molybdenum	50	.75	anr							
Nickel	40	1.1	-0.26	<40	-0.51	<40	-0.94	<40	-0.50	<40
Potassium	5000	14	14.0	<5000	-4.5	<5000	4.8	<5000	8.0	<5000
Selenium	10	2	-1.8	<10	-0.050	<10	-1.6	<10	-0.37	<10
Silver	10	.6	0.080	<10	-0.42	<10	-0.45	<10	-0.25	<10
Sodium	5000	150	10.8	<5000	-110	<5000	66.7	<5000	-73	<5000
Thallium	10	1.5	1.4	<10	0.030	<10	0.91	<10	-0.90	<10
Tin	50	1.5	-0.72	<50	2.3	<50	3.5	<50	5.4	<50
Vanadium	50	.47	-0.52	<50	-0.55	<50	-0.070	<50	-0.48	<50
Zinc	20	.59	-0.52	<20	-0.63	<20	-0.54	<20	-0.48	<20

(*) Outside of QC limits
(anr) Analyte not requested

6.2.2

6

ACCUTEST Laboratories

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3841 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	-8.1	<200	-4.3	<200	3.1	<200
Antimony	5.0	1.5	-0.28	<5.0	-1.0	<5.0	-3.0	<5.0
Arsenic	10	2.8	-1.8	<10	-3.2	<10	-2.7	<10
Barium	200	.5	-0.52	<200	-0.65	<200	-0.69	<200
Beryllium	4.0	.3	-1.2	<4.0	-1.1	<4.0	-0.91	<4.0
Cadmium	5.0	.3	-0.82	<5.0	-1.0	<5.0	-0.90	<5.0
Calcium	1000	3.8	51.1	<1000	23.0	<1000	-6.9	<1000
Chromium	10	.4	-0.83	<10	-0.61	<10	-0.62	<10
Cobalt	50	.5	-0.89	<50	-0.91	<50	-0.89	<50
Copper	25	.44	0.32	<25	-0.14	<25	0.0	<25
Iron	300	7.1	44.1	<300	38.5	<300	35.6	<300
Lead	5.0	1.2	1.6	<5.0	0.86	<5.0	2.3	<5.0
Magnesium	5000	9.9	-11	<5000	-16	<5000	-15	<5000
Manganese	15	.16	-0.72	<15	-0.84	<15	-0.88	<15
Molybdenum	50	.75	anr					
Nickel	40	1.1	0.38	<40	-0.20	<40	-0.010	<40
Potassium	5000	14	-2.7	<5000	5.7	<5000	-2.9	<5000
Selenium	10	2	-2.8	<10	-1.7	<10	-2.2	<10
Silver	10	.6	0.43	<10	-0.090	<10	-0.050	<10
Sodium	5000	150	52.4	<5000	-5.0	<5000	-110	<5000
Thallium	10	1.5	0.62	<10	3.3	<10	0.0	<10
Tin	50	1.5	4.3	<50	4.3	<50	4.3	<50
Vanadium	50	.47	-0.20	<50	-0.24	<50	-0.20	<50
Zinc	20	.59	-0.51	<20	-0.44	<20	-0.72	<20

(*) Outside of QC limits
(anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20615S1.PRN Date Analyzed: 06/15/04 Methods: SW846 7471A
QC Limits: result < RL Run ID: MA3842 Units: ug/l

Metal	RL	IDL	ICB raw	ICB final	CCB raw	CCB final	CCB raw	CCB final	CCB raw	CCB final
Mercury	1.0	.022	0.021	<1.0	0.010	<1.0	0.026*	<1.0	0.021	<1.0

(*) Outside of QC limits
(anr) Analyte not requested

6.3.1

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ACCUTEST Laboratories

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC Date Analyzed: 06/17/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3848 Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	anr							
Antimony	5.0	1.5	anr							
Arsenic	10	2.8	anr							
Barium	200	.5	anr							
Beryllium	4.0	.3	anr							
Cadmium	5.0	.3	anr							
Calcium	1000	3.8	-9.6	<1000	-4.1	<1000	27.6	<1000	46.5	<1000
Chromium	10	.4	anr							
Cobalt	50	.5	anr							
Copper	25	.44	anr							
Iron	300	7.1	anr							
Lead	5.0	1.2	anr							
Magnesium	5000	9.9	anr							
Manganese	15	.16	anr							
Molybdenum	50	.75								
Nickel	40	1.1	anr							
Potassium	5000	14	anr							
Selenium	10	2	anr							
Silver	10	.6	anr							
Sodium	5000	150	anr							
Thallium	10	1.5	anr							
Tin	50	1.5								
Vanadium	50	.47	anr							
Zinc	20	.59	anr							

(*) Outside of QC limits
(anr) Analyte not requested

6.4.2 6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC Date Analyzed: 06/17/04 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3848 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	anr							
Antimony	5.0	1.5	anr							
Arsenic	10	2.8	anr							
Barium	200	.5	anr							
Beryllium	4.0	.3	anr							
Cadmium	5.0	.3	anr							
Calcium	1000	3.8	1.0	<1000	1.5	<1000	-2.4	<1000	-2.2	<1000
Chromium	10	.4	anr							
Cobalt	50	.5	anr							
Copper	25	.44	anr							
Iron	300	7.1	anr							
Lead	5.0	1.2	anr							
Magnesium	5000	9.9	anr							
Manganese	15	.16	anr							
Molybdenum	50	.75								
Nickel	40	1.1	anr							
Potassium	5000	14	anr							
Selenium	10	2	anr							
Silver	10	.6	anr							
Sodium	5000	150	anr							
Thallium	10	1.5	anr							
Tin	50	1.5								
Vanadium	50	.47	anr							
Zinc	20	.59	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC
QC Limits: result < RL

Date Analyzed: 06/17/04
Run ID: MA3848

Methods: SW846 6010B
Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	anr					
Antimony	5.0	1.5	anr					
Arsenic	10	2.8	anr					
Barium	200	.5	anr					
Beryllium	4.0	.3	anr					
Cadmium	5.0	.3	anr					
Calcium	1000	3.8	-3.4	<1000	29.2	<1000	-3.5	<1000
Chromium	10	.4	anr					
Cobalt	50	.5	anr					
Copper	25	.44	anr					
Iron	300	7.1	anr					
Lead	5.0	1.2	anr					
Magnesium	5000	9.9	anr					
Manganese	15	.16	anr					
Molybdenum	50	.75						
Nickel	40	1.1	anr					
Potassium	5000	14	anr					
Selenium	10	2	anr					
Silver	10	.6	anr					
Sodium	5000	150	anr					
Thallium	10	1.5	anr					
Tin	50	1.5						
Vanadium	50	.47	anr					
Zinc	20	.59	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.4.2

6

ACCUTEST Laboratories

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Analyte	Batch ID	RL	MB Result	Units	BSP %Recov	QC Limits
Cyanide, Total	GP5488/GN14808	0.010	<0.010	mg/l	90.5	79-124%

Associated Samples:
Batch GP5488: F24685-14

7.1

7

ACCUTEST Laboratories

Instrument Detection Limits

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Instrument ID: LEEMANHG2 Effective Date: 08/26/02

Analyte	IDL ug/l
Mercury	.022

The above applies to the following instrument runs:
MA3839,MA3842

Instrument Detection Limits

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Instrument ID: TJATRACE1 Effective Date: 04/15/02

Analyte	IDL ug/l
Aluminum	6.6
Antimony	1.5
Arsenic	2.8
Barium	.5
Beryllium	.3
Cadmium	.3
Calcium	3.8
Chromium	.4
Cobalt	.5
Copper	.44
Iron	7.1
Lead	1.2
Magnesium	9.9
Manganese	.16
Molybdenum	.75
Nickel	1.1
Potassium	13.8
Selenium	2
Silver	.6
Sodium	145
Thallium	1.5
Tin	1.5
Vanadium	.47
Zinc	.59

The above applies to the following instrument runs:
MA3841,MA3848

Instrument Linear Ranges

Job Number: F24685
Account: TETRSCAI Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

Instrument ID: TJATRACE1 Effective Date: 10/03/03

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	100000
Arsenic	50000
Barium	100000
Beryllium	50000
Cadmium	50000
Calcium	500000
Chromium	100000
Cobalt	100000
Copper	100000
Iron	1000000
Lead	100000
Magnesium	1000000
Manganese	50000
Molybdenum	100000
Nickel	100000
Potassium	1000000
Selenium	100000
Silver	1000
Sodium	250000
Thallium	100000
Tin	100000
Vanadium	100000
Zinc	100000

The above applies to the following instrument runs:
MA3841,MA3848

MP 6275

Metals Digestion Log: Soil

Method of Digestion: SW846-3050B

Temp: 94° Thermometer ID 200

Balance ID 24007

Filter Lot 170051-001

Dig.Tube Lot# A311LS162

	HNO3	HCl	H2O2
Added:			
Mfg:	Fisher	Fisher	Fisher
Lot#	1103080	403101	024788

Sample #	Wt., g	Fin. Vol.	Date	Comments	Spk.Sol.*	Amount Used*
MB 6/11/04	.50	50 mL	6/11/04		1 Acc 333	.25ml
SB	.50				2 Acc 338	1.0 ml
MS F24685-6.6	.50			QC requested, rocky	3 Met 1203	.5ml
MSD	.49					
Dup	.49					
1 QC	.51					
2 F24685-1.3	.52					
3 -2.3	.50					
4 -3.1	.50					
5 -4.1	.51					
6 -5.3	.51					
7 -7.2	.50					
8 -8.2	.49					
9 -9.3	.49			rocky		
10 ~~-10.1~~	~~.49~~			~~LE 6/11~~		
11 -11.3	.51					
12 -12.2	.50					
13 -13.3	.49					
14 F24575-6.1	.52					
15 -7.1	.51					
16 -8.1	.50					
17 -9.1	.51			rocks, shells		
18 LE 6/11 -10 F24618-1.1	.50			wet		
19 F24696-7.5	.50			mottled soil		
20 F24618-2.1	.49					

Analyst [signature]

Date 6/11/04

QC Review [signature]

Date 6/11/04

Rev. 11/08/02 DJM

Page Number: 00 07255

* Used For SB, MS, MSD

MI 6774

Metals Digestion Log: Water

Method of Digestion: SW846-3010A/3005A/EPA 200.7/3030C (CIRCLE ONE) Temp: 92° Thermometer ID 104

	HNO3	HCl	Spk. Sol.*	Amount Used*
Added:			1 Acc 333	.25 ml
			2 Acc 338	1.0 ml
			3 Met 1203	.5 ml
Mfg:	Fisher	Fisher		
Lot#	1103080	4103101	Digestion Tube Lot#	A311LS162

Sample #	Init. Vol/Wt	Fin. Vol/Wt	Date	Comments
MB 6/11/04	50 mL	50 ml	6/11/04	
SB ↓	↓	↓	↓	
MS F24542-1.15				
MSD				
Dup				
1 QC ↓				
2 F24542-2.15				
3 3.15				sediment
4 4.15				sediment
5 5.15				
6 6.15				
7 8.15				
8 9.15				sediment
9 10.15				
10 11.15				
11 12.15				
12 F24690-1.5				BUSH
13 ↓ -2.7				BUSH
14 F24685-14.6				use SFB SWFB
15 F24691-1.10				
16 ↓ -3.10				
17 F24548-1.3				
18 F24548 -3.3				sediment/solids floating suspended
19 F24701-1.7				odor, cloudy
20				6/11

Analyst [signature] Date 6/11/04

QC Review [signature] Date 6/11/04

Rev. 01/12/04 DJM Used For SB, MS, MSD Page Number:

00 021 0716

Mercury Digestion Log Water or Soil or TCLP
(circle one)

Method of Digestion: SW846-7470A/7471A/EPA245.1 (circle one) Temp., C: 95

Analyst: SSR Thermometer #: Mercury

Date/Time Started: 06/14/04 8:25 | 9:00 Date/Time Ended: 06/14/04 8:55 | 9:30

*Digest solid matrices for 30 mins., aqueous matrices for 2 Hours. MP# 6779

Reagents Added	HNO_3	HCL	H_2SO_4	$KMnO_4$	$K_2S_2O_8$	$SnCl_2$	H_3NOHCL
Manuf.	Fisher	Fisher	Fisher	Acros	Fisher	Acros	Acros
Lot#	1103080	4103101	N/A	MET 1209	N/A	B0106590	MET 1216
Dig.Tube Lot#	A311L5162						

Sample#	Wt.,g	Init.Vol.,mL	Final Vol.,mL	Comments
STD 1 0.10mL	0.60		50	
STD 2 0.5mL				
STD 3 1.5mL				
STD 4 2.5mL				
STD 5 3.0mL				
ICV				
ICB				
CRI				
CCV				
CCB				
Cal.Blank				
Method Blank				
Blank Spike				
MS F24685-6.6	0.61			
MSD	0.60			
Dup	0.62			
1QC	0.61			
2 F24685-1.3	0.59			
3 -2.3	0.59			
4 -3.1	0.62			
5 -4.1	0.60			
6 -5.3	0.59			
7 -7.2	0.62			
8 -8.2	0.60			
9 -9.3	0.60			
10 -11.3	0.59			
11 -12.2	0.60			
12 -13.3	0.60			
13 F24657-1.1	0.67			light bulb sample
14 -2.1	0.58			
15 -3.1	0.74			
16 F24597-9C.1	0.60			run / prepped out of hold time
17 -18C.1	0.65			
18				
19	SSR 06/14/04			
20				

Analysts Signature: Sherry Lee 06/14/04 Rev. Signature: [illegible] 6/14/04

10ppm int. met# 1211 100ppb(curve,bs,ms,msd,cri,ccv)met# 1213

10ppm 2nd met# 1212 100ppb 2nd(ICV) met# 1214

0718

Rev. 1/06/04 DM page# [illegible]

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611W1.PRN Date Analyzed: 06/11/04 Methods: SW846 7470A
Analyst: SM Run ID: MA3839
Parameters: Hg

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:07	MA3839-ICV1	1		
	13:09	MA3839-ICB1	1		
	13:11	MA3839-CRI1	1		
	13:12	MA3839-CCV1	1		
	13:14	MA3839-CCB1	1		
	13:17	MP6772-MB1	1		
	13:19	MP6772-B1	1		
	13:22	F24671-1	1		(sample used for QC only; not part of login F24685)
	13:23	MP6772-D1	1		
	13:25	MP6772-S1	1		
	13:27	MP6772-S2	1		
	13:29	ZZZZZZ	1		
	13:31	ZZZZZZ	1		
	13:33	ZZZZZZ	1		
	13:35	ZZZZZZ	1		
	13:37	MA3839-CCV2	1		
	13:40	MA3839-CCB2	1		
	13:42	F24685-14	1		
---------->	Last reportable sample/prep for job F24685				
	13:45	ZZZZZZ	1		
	13:47	ZZZZZZ	1		
	13:48	ZZZZZZ	1		
	13:50	ZZZZZZ	1		
	13:52	ZZZZZZ	1		
	13:54	ZZZZZZ	1		
	13:56	ZZZZZZ	1		
	13:58	ZZZZZZ	1		
	14:00	ZZZZZZ	1		
	14:01	MA3839-CCV3	1		
	14:03	MA3839-CCB3	1		
---------->	Last reportable CCB for job F24685				
	14:05	ZZZZZZ	1		
	14:07	ZZZZZZ	1		
	14:09	ZZZZZZ	1		
	14:11	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20611W1.PRN Date Analyzed: 06/11/04 Methods: SW846 7470A
Analyst: SM Run ID: MA3839
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:15	MP6773-MB1	1		
14:18	MP6773-MB2	1		
14:20	MP6773-B1	1		
14:22	MP6773-B2	1		
14:24	F24502-1	1		(sample used for QC only; not part of login F24685)
14:26	MA3839-CCV4	1		
14:28	MA3839-CCB4	1		
14:29	MP6773-D1	1		
14:31	MP6773-S1	1		
14:33	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:39	MA3839-CCV5	1		
14:41	MA3839-CCB5	1		

Refer to raw data for calibration curve and standards.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3841
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,Sn,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:07	MA3841-ICV1	1		
09:10	MA3841-ICB1	1		
09:12	MA3841-CRI1	1		
09:16	MA3841-ICSA1	1		
09:19	MA3841-ICSAB1	1		
09:22	MA3841-CCV1	1		
09:27	MA3841-CCB1	1		
09:30	MP6774-MB1	1		
09:34	MP6774-B1	1		
09:39	F24542-1	1		(sample used for QC only; not part of login F24685)
09:42	MP6774-D1	1		
09:46	MP6774-SD1	5		
09:49	MP6774-S1	1		
09:53	MP6774-S2	1		
09:57	ZZZZZZ	1		
10:01	ZZZZZZ	1		
10:04	ZZZZZZ	1		
10:08	MA3841-CCV2	1		
10:12	MA3841-CCB2	1		
10:21	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:45	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:52	F24685-14	1		
10:56	MA3841-CCV3	1		
11:00	MA3841-CCB3	1		
11:04	ZZZZZZ	1		
11:07	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3841
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,Sn,V,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:11	ZZZZZZ	1		
	11:14	ZZZZZZ	1		
	11:18	ZZZZZZ	1		
	11:21	MP6775-MB1	1		
	11:25	MP6775-B1	1		
	11:30	F24685-6	1		
	11:34	MP6775-D1	1		
	11:37	MP6775-SD1	5		
	11:41	MA3841-CCV4	1		
	11:45	MA3841-CCB4	1		
	11:49	MP6775-S1	1		
	11:52	MP6775-S2	1		
	11:57	F24685-1	1		
	12:00	F24685-2	1		
	12:04	F24685-3	1		
	12:07	F24685-4	1		
	12:11	F24685-5	1		
	12:14	F24685-7	1		
	12:18	F24685-8	1		
	12:22	F24685-9	1		
	12:29	MA3841-CCV5	1		
	12:34	MA3841-CCB5	1		
	12:37	F24685-11	1		
	12:41	F24685-12	1		
	12:45	F24685-13	1		
---------->	Last reportable sample/prep for job F24685				
	12:48	ZZZZZZ	1		
	12:52	ZZZZZZ	1		
	12:55	ZZZZZZ	1		
	12:59	ZZZZZZ	1		
	13:02	ZZZZZZ	1		
	13:06	ZZZZZZ	1		
	13:09	ZZZZZZ	1		
	13:13	MA3841-CCV6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3841
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,Sn,V,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:17	MA3841-CCB6	1		
---------->	Last reportable CCB for job F24685				
	13:21	MP6776-MB1	1		
	13:24	MP6776-B1	1		
	13:30	F24694-2	1		(sample used for QC only; not part of login F24685)
	13:33	MP6776-D1	1		
	13:37	MP6776-SD1	5		
	13:40	MP6776-S1	1		
	13:44	MP6776-S2	1		
	13:48	ZZZZZZ	1		
	13:52	ZZZZZZ	1		
	13:55	ZZZZZZ	1		
	13:59	MA3841-CCV7	1		
	14:03	MA3841-CCB7	1		
	14:07	ZZZZZZ	1		
	14:10	ZZZZZZ	1		
	14:14	ZZZZZZ	1		
	14:17	ZZZZZZ	1		
	14:21	ZZZZZZ	1		
	14:24	ZZZZZZ	1		
	14:28	ZZZZZZ	1		
	14:32	ZZZZZZ	1		
	14:35	ZZZZZZ	1		
	14:39	ZZZZZZ	1		
	14:42	MA3841-CCV8	1		
	14:47	MA3841-CCB8	1		
	14:50	ZZZZZZ	1		
	14:54	ZZZZZZ	1		
	14:57	ZZZZZZ	1		
	15:01	ZZZZZZ	1		
	15:05	MA3841-CRI2	1		
	15:09	MA3841-CCV9	1		
	15:13	MA3841-CCB9	1		
	15:27	ZZZZZZ	40		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061404.ASC Date Analyzed: 06/14/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3841
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,Sn,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:30	ZZZZZZ	10		
15:34	ZZZZZZ	10		
15:37	ZZZZZZ	10		
15:40	ZZZZZZ	10		
15:43	ZZZZZZ	10		
15:46	ZZZZZZ	10		
15:49	ZZZZZZ	10		
15:53	MA3841-CCV10	1		
15:56	MA3841-CCB10	1		
15:59	ZZZZZZ	10		
16:02	ZZZZZZ	10		
16:05	ZZZZZZ	10		
16:08	ZZZZZZ	10		
16:11	ZZZZZZ	10		
16:15	ZZZZZZ	10		
16:18	ZZZZZZ	10		
08:52	MA3841-CCV11	1		
08:55	MA3841-CCB11	1		

Refer to raw data for calibration curve and standards.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: H20615S1.PRN Date Analyzed: 06/15/04 Methods: SW846 7471A
Analyst: SM Run ID: MA3842
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:48	MA3842-ICV1	1		
09:51	MA3842-ICB1	1		
09:53	MA3842-CRI1	1		
09:54	MA3842-CCV1	1		
09:56	MA3842-CCB1	1		
09:58	MP6779-MB1	1		
10:00	MP6779-B1	1		
10:02	F24685-6	1		
10:04	MP6779-D1	1		
10:06	MP6779-S1	1		
10:08	MP6779-S2	1		
10:10	F24685-1	1		
10:12	F24685-2	1		
10:13	F24685-3	1		
10:16	F24685-4	1		
10:17	MA3842-CCV2	1		
10:19	MA3842-CCB2	1		
10:21	F24685-5	1		
10:22	F24685-7	1		
10:24	F24685-8	1		
10:27	F24685-9	1		
10:29	F24685-11	1		
10:30	F24685-12	1		
10:32	F24685-13	1		
---------->	Last reportable sample/prep for job F24685			
10:34	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:41	MA3842-CCV3	1		
10:43	MA3842-CCB3	1		
---------->	Last reportable CCB for job F24685			
10:44	ZZZZZZ	1		
10:53	ZZZZZZ	10		
10:56	ZZZZZZ	20		
10:57	MA3842-CCV4	1		
10:59	MA3842-CCB4	1		

Refer to raw data for calibration curve and standards.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC Date Analyzed: 06/17/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3848
Parameters: Ca

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:07	MA3848-ICV1	1		
09:11	MA3848-ICB1	1		
09:14	MA3848-CRI1	1		
09:17	MA3848-ICSA1	1		
09:20	MA3848-ICSAB1	1		
09:27	MA3848-CCV1	1		
09:31	MA3848-CCB1	1		
09:35	MP6793-MB1	1		
09:39	MP6793-B1	1		
09:44	F24784-2	1		(sample used for QC only; not part of login F24685)
09:47	MP6793-D1	1		
09:51	MP6793-SD1	5		
09:54	MP6793-S1	1		
09:58	MP6793-S2	1		
10:02	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:09	ZZZZZZ	1		
10:13	MA3848-CCV2	1		
10:17	MA3848-CCB2	1		
10:21	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:39	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:56	MA3848-CCV3	1		
11:01	MA3848-CCB3	1		
11:04	ZZZZZZ	1		
11:08	ZZZZZZ	1		

ACCUTEST Laboratories

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC Date Analyzed: 06/17/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3848
Parameters: Ca

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:11	ZZZZZZ	1		
11:15	ZZZZZZ	1		
11:18	ZZZZZZ	1		
11:22	ZZZZZZ	1		
11:25	MP6795-MB1	1		
11:29	MP6795-B1	1		
11:34	F23945-1R	1		(sample used for QC only; not part of login F24685)
11:38	MP6795-D1	1		
11:41	MA3848-CCV4	1		
11:46	MA3848-CCB4	1		
11:49	MP6795-SD1	5		
11:53	MP6795-S1	1		
11:56	MP6795-S2	1		
12:01	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:22	ZZZZZZ	1		
12:25	MA3848-CCV5	1		
12:30	MA3848-CCB5	1		
12:37	MP6795-MB2	1		
12:40	MP6795-B2	1		
12:45	MP6795-MB3	1		
12:48	MP6795-B3	1		
12:53	MA3848-CCV6	1		
12:57	MA3848-CCB6	1		
13:06	MP6784-MB1	1		
13:09	MP6784-B1	1		
13:15	F24564-1	1		(sample used for QC only; not part of login F24685)
13:18	MP6784-D1	1		
13:22	MP6784-SD1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC
Analyst: DM
Parameters: Ca

Date Analyzed: 06/17/04
Run ID: MA3848

Methods: SW846 6010B

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:25	MP6784-S1	1		
13:29	MP6784-S2	1		
13:33	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:44	MA3848-CCV7	1		
13:48	MA3848-CCB7	1		
13:52	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:17	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:27	MA3848-CCV8	1		
14:32	MA3848-CCB8	1		
14:35	ZZZZZZ	1		
14:39	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:53	F24685-1	10		
14:56	F24685-2	10		
15:00	F24685-3	10		
15:04	F24685-4	10		
15:07	F24685-5	10		
15:11	MA3848-CCV9	1		
15:15	MA3848-CCB9	1		
15:19	F24685-6	10		
15:22	F24685-7	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F24685
Account: TETRSCAI - Tetra Tech, NUS
Project: NAS Key West/CTO 349; Key West, FL

File ID: IR061704.ASC Date Analyzed: 06/17/04 Methods: SW846 6010B
Analyst: DM Run ID: MA3848
Parameters: Ca

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	15:26	F24685-8	10		
	15:29	F24685-9	10		
	15:33	F24685-11	10		
	15:37	F24685-12	10		
	15:40	F24685-13	10		
---------->	Last reportable sample/prep for job F24685				
	15:44	ZZZZZZ	1		
	15:47	F24773-1	40		(sample used for QC only; not part of login F24685)
	15:52	MA3848-CRI2	1		
	15:55	MA3848-CCV10	1		
	16:00	MA3848-CCB10	1		
---------->	Last reportable CCB for job F24685				
	Refer to raw data for calibration curve and standards.				

APPENDIX E

FACT SHEET AND NOTICE OF AVAILABILITY

TETRA TECH NUS, INC.

AIK-04-0160

July 22, 2004

Project Number HK N0639 *via E-mail*

Commander
Department of the Navy
SOUTHDIV NAVFACENGCOM
ATTN: Jim Reed (Code ES33)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

Reference: CLEAN Contract No. N62467-94-D-0888
Contract Task Order No. 0349

Subject: Draft Fact Sheet for Truman Annex Water Tower Site, Rev. 0, Naval Air Station, Key West, Florida

Dear Mr. Reed:

I have enclosed the draft Fact Sheet for the Truman Annex Water Tower Site. In addition, an electronic version of the draft Fact Sheet was distributed to the members of the NAS Key West Partnering Team on this date via email for their convenience and to meet TtNUS's contractual obligation under CTO 0349. I am expecting to receive comments or concurrence from the Partnering Team members on this draft Fact Sheet by 26 July 2004. I then plan to distribute the final Fact Sheet that incorporates any comments received from the Partnering Team to the Restoration Advisory Board and members of the NAS Key West environmental mailing list on 27 July 2004.

Please call me at (803) 649-7963, extension 345, if you have any questions regarding the enclosed document.

Sincerely,

C. M. Bryan
Project Manager

CMB:spc

c: Ms. Debra M. Humbert (Cover Letter Only)
Mr. S. Bivone, CCI
Ms. T. Vaught, FDEP
Mr. R. Courtright, NAS Key West
Mr. G. Vogelsong, TN&A
Ms. S. McKnight, ROICC KW
Mr. S. Murphy, ROICC KW
Mr. D. Alford, CBI
Mr. R. Demes, NAS Key West
Mr. T. Ballard, USEPA Region IV
Mr. M. Perry/File
Files 0639-7-3-1

FACT SHEET

Naval Air Station
Key West, Florida

TRUMAN ANNEX FORMER WATER TOWER SITE REMEDIATION

INTRODUCTION

This Fact Sheet is being issued by the U.S. Navy, the lead agency for Naval Air Station (NAS) Key West remedial activities, with concurrence from the Florida Department of Environmental Protection (FDEP). The proposed interim remedial action (IRA) is being conducted under the Department of Defense's Base Realignment and Closure (BRAC) program in accordance with the National Contingency Plan (NCP). The Truman Annex Former Water Tower Site, located within the Defense Reutilization and Marketing Office (DRMO) Storage Area at Truman Annex, is the site of interest.

This Fact Sheet identifies the proposed IRA for the Water Tower Site at NAS Key West and briefly explains the rationale for the selection. This Fact Sheet also provides a summary of past environmental work at the Truman Annex Water Tower Site, as well as highlights of the Field Summary Report and Engineering Evaluation/Cost Analysis (EE/CA), produced in July 2004. Additional details may be found in this report, which is available in the Information Repository at the Monroe County Library, 700 Fleming Street, Key West, Florida.

INTERIM REMEDIAL ACTION

The IRA at the Truman Annex Water Tower Site will involve excavation and disposal of contaminated soil from the site. Clean soil will be placed in excavated areas.

Three remedial alternatives for the Truman Annex Water Tower Site were evaluated in the EE/CA: soil washing, encapsulation/stabilization, and excavation and disposal. Excavation and disposal was chosen because it would be the most protective of human health and the environment since it will remove the contamination. This alternative is also readily implementable because it uses proven and commercially available technologies. In addition, excavation and disposal does not require a treatability study, while the other alternatives would have required this additional study.

FACILITY BACKGROUND

The Water Tower Site is located on the eastern end of the DRMO Waste Storage Area at Truman Annex (Figure 1). The DRMO Waste Storage Area was used to store excess government materials, primarily metal debris. A Site Inspection and Supplemental Site Inspection were performed at the DRMO Waste Storage Area in 1997 and 1998. Based on results of these investigations, contaminated soil was removed from the area in early 1999. The majority of the property has been transferred to the City of Key West. However, a water tower and an approximately 170-foot square area surrounding the tower were retained by NAS Key West. In fall of 2003, the Navy had secured an alternate water supply determined that the water tower was no longer needed for operations and it was removed. The Navy is now preparing to transfer the remaining property to the City of Key West. An investigation was initiated at the Water Tower Site in June 2004 in support of this transfer by identifying any soil contamination that could pose a risk to human or ecological receptors in the future, based on the planned reuse of the property.

Delineation Sampling was performed at the Water Tower Site in June 2004 to identify areas requiring remediation prior to transfer of the property. The Field Summary Report and EE/CA, located in the Information Repository, presents data gathered during delineation sampling, evaluates remedial alternatives, and recommends a final remediation plan for the Water Tower Site.

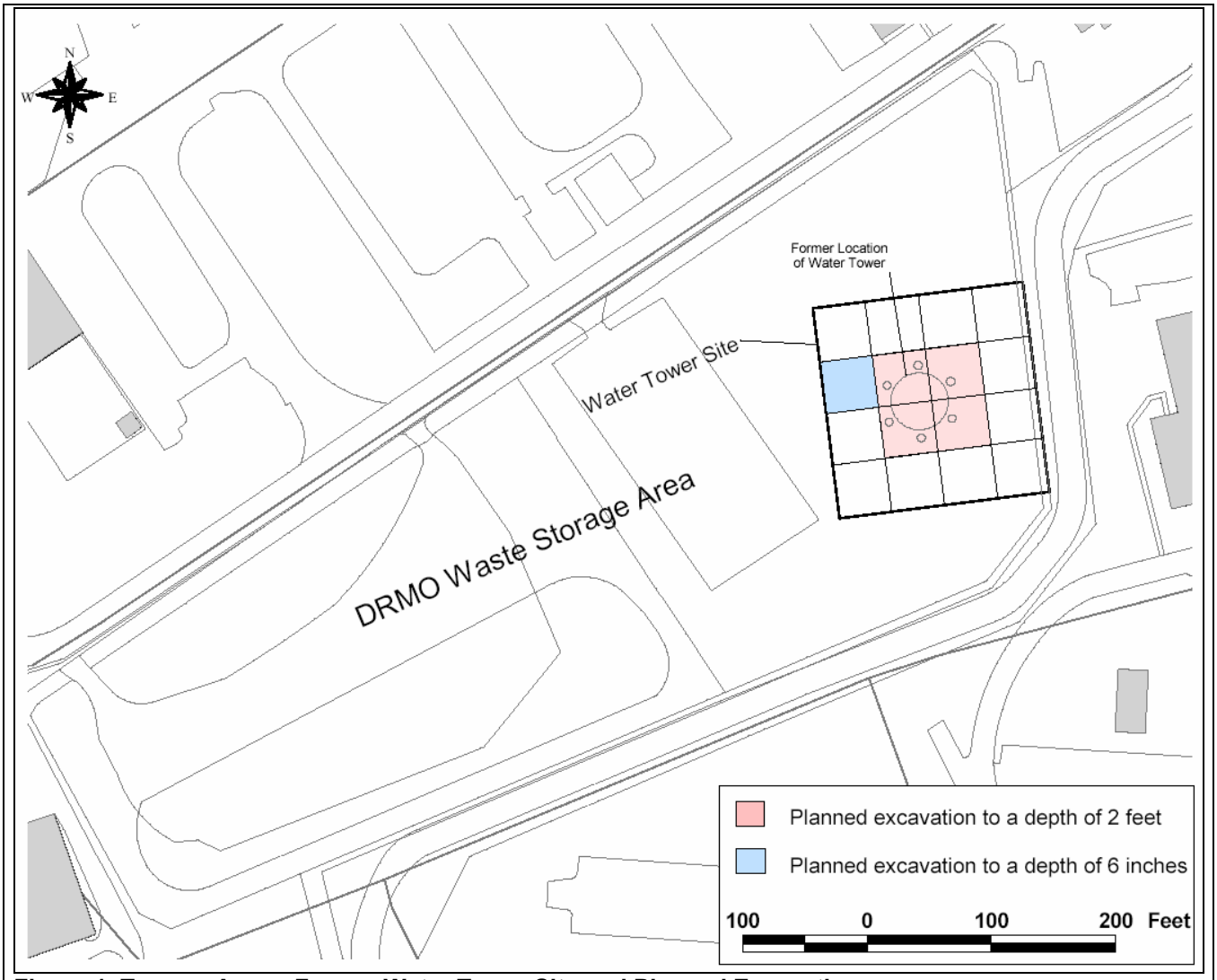

Figure 1. Truman Annex Former Water Tower Site and Planned Excavation.

Polychlorinated biphenyls (PCBs) were detected in areas beneath the water tower at concentrations greater than the cleanup target levels (CTLs) established by FDEP. The top 2 feet of soil from an area approximately 85-feet square beneath the water tower will be removed. Confirmation samples will be collected from the bottom and sidewalls of the excavated area to determine whether additional excavation is necessary.

In another area of the Water Tower site, antimony, arsenic, and lead were detected at concentrations greater than CTLs. These chemicals were detected in a sample collected from the 0 to 6 inches below land surface. The area of approximately 43-feet square surrounding this sample will be excavated to a depth of 6 inches. Confirmation sampling will be performed on the bottom and sidewalls of the excavation to ensure that no additional excavation is needed.

All excavations will be filled with clean soil and site elevations returned to the original contours.

In accordance with Title 40 of the Code of Federal Regulations, Part 300, Section 435(c), the public is invited to review the proposed remedial action. Additional information may be obtained through the following NAS Key West point of contact within the Environmental Division:

Commanding Officer
Code N4L Environmental
(Robert Courtright)
Naval Air Station
P.O. Box 9007
Key West, FL 33040-9007
Phone: (305)293-2881 or Fax: (305)293-2542

THE CITIZEN KEY WEST
The Florida Keys Only Daily Newspaper, Est. 1876
Cooke Communications, LLC
Florida Keys

Mary Beth Canitano
Advertising Coordinator

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Key West Fl 33041
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Extension.....x219
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mcanitano@keysnews.com

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FLORIDA KEYS OFFICES
Printing / Main Facility
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Key West, FL
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Tel 305-292-7777
Fax 305-294-0768
citizen@keywest.com

Internet Division
1201 White Street (Suite 103)
Key West, FL
33040-3328
Tel 305-292-1880
Fax 305-294-1699
sales@keywest.com

Middle Keys Office
6363 Overseas Hwy
Marathon, FL (MM 52.5)
33050-3342
Tel 305-743-8766
Fax 305-743-9977
navigator@floridakeys.com

Upper Keys Office
81549 Old Hwy
PO Box 469
Islamorada, FL (MM81.5)
33036-0469
Tel 305-664-2266
Fax 305-664-8411
freepress@floridakeys.com

Ocean Reef Office
3A Barracuda Lane
Key Largo, FL 33037
Tel 305-367-4911
Fax 305-367-2191

STATE OF FLORIDA
COUNTY OF MONROE

Before the undersigned authority personally appeared Randy G. Erickson, who on oath says that he is Vice-President of Advertising Operations of the Key West Citizen, a daily newspaper published in Key West, in Monroe County, Florida; that the attached copy of advertisement, being a legal notice in the matter of Environmental Remediation

In the _____ Court, was published in said newspaper in the issues of August 1, 2004.

Affiant further says that the Key West Citizen is a newspaper published in Key West, in said Monroe County, Florida and that the said newspaper has heretofore been continuously published in said Monroe County, Florida every and has been entered as second-class mail matter at the post office in Key West, in said Monroe County, Florida, for a period of 1 year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Signature of Affiant

Sworn and subscribed before me this 2 day of August, 2004

Mary Beth Canitano, Notary Public

Expires: January 15, 2007

Notary Seal

MARY BETH CANITANO
Notary Public - State of Florida
My Commission Expires Jan 15, 2007
Commission # DD178046
Bonded By National Notary Assn.

Personally Known x Produced Identification _____
Type of Identification Produced _____

PUBLIC NOTICE OF PROPOSED ENVIRONMENTAL REMEDIATION

U.S. Naval Air Station (NAS) Key West submitted a request on 22 July 2004 to the Florida Department of Environmental Protection (FDEP) for approval of the Fact Sheet for the Former Water Tower Site at NAS Key West, Florida. The Former Water Tower Site is located at Truman Annex on the island of Key West, where Navy operations have resulted in surface soil contamination. In this request for approval, the Navy is seeking authorization for the proposed remedy (surface soil removal) as described in the Fact Sheet.

In accordance with Title 40 of the Code of Federal Regulations, Part 300, Section 435(c), the public is invited to review the Fact Sheet and proposed remedial actions. The Navy's request for approval of the proposed remedy and supporting documentation may be viewed and photocopied at:

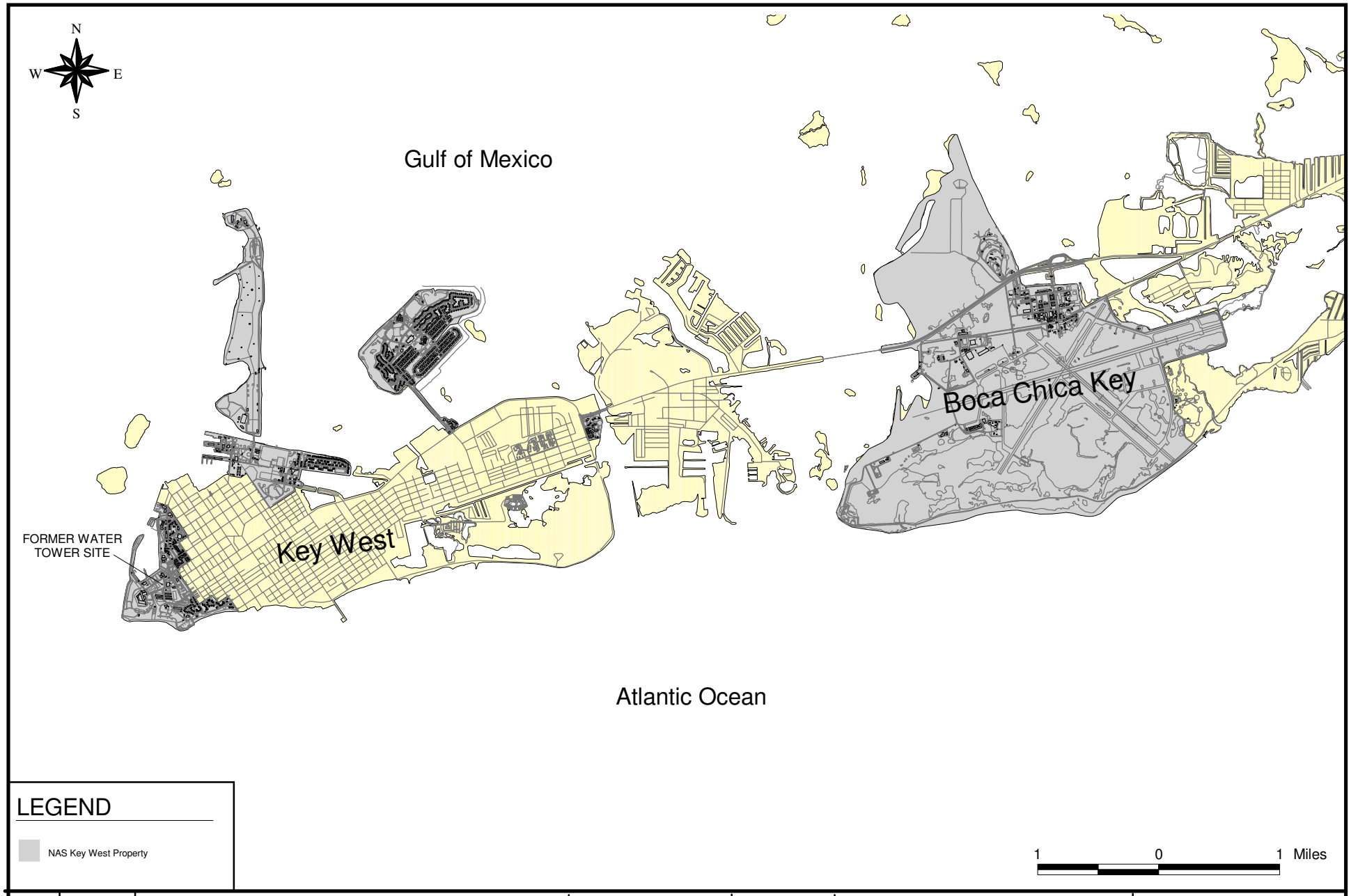
Local and State History Department
Monroe County Library
700 Fleming Street
Key West, Florida 33040
(305) 292-3595

Additional information may be obtained through the following NAS Key West Project Manager at the Navy's Facility Engineering Command:

Jim Reed, Code ES33
NAVFAC EFD SOUTH
P.O. Box 190010
North Charleston, SC 29419-9010
Phone: (843)820-5543 or Fax: (843)820-7465

August 1, 2004

188605



NO.	DATE	REVISIONS

DRAWN BY EHM	DATE 09/09/2004
CHECKED BY ACL	DATE 09/15/2004
COST/SCHED-AREA	
SCALE AS NOTED	

FACILITY LOCATION MAP
EXPLANATION OF SIGNIFICANT DIFFERENCES
FORMER WATER TOWER SITE
NAVAL AIR STATION
KEY WEST, FLORIDA

CONTRACT NO. N0693	
APPROVED BY CMB	DATE 09/15/2004
APPROVED BY	DATE
FIGURE NO. 1-1	REV. 0

K:\WATER TOWER ESD REPORT.APR LAYOUT: ESD FIGURE 1-1 BY: EHM DATE: 09/15/2004